Supplement

Application Procedures for Grants-in-Aid for Scientific Research-KAKENHI-

FY2017

Specially Promoted Research,
Scientific Research (S/A/B/C),
Challenging Research (Pioneering/Exploratory),
and
Grant-in-Aid for Young Scientists (A/B)

（Application documents: Forms and Guidelines）

September 1, 2016

Japan Society for the Promotion of Science
(http://www.jsps.go.jp/)

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3 The Notice of Completion of Research Project・・・・・・・・・・・・・（omitted）

※The form for the Project Description File can be downloaded from the section "Grants-in-Aid for Scientific Research - KAKENHI" of the JSPS website(http://www.jsps.go.jp/j-grantsina id/index.html) .

Form S-1-1

FY2017 Procedures for Preparing and Entering a Proposal for
Grant-in-Aid for "Specially Promoted Research" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

※This proposal for grant-in-aid is to be used when applying for "Specially Promoted Research", "New Application" (including an application for a grant for the fiscal year before the final fiscal year of a research plan)".

※The Principal Investigator is responsible for preparing the proposal for grant-in-aid according to the rules in the Procedures for Application. For definitions of the Principal Investigator, Co-Investigator (*kenkyu-buntansha*), Co-Investigator (*renkei-kenkyusha*), and Research Collaborator, see procedures for application.

※The form is consists of "I. Application Information (entry via the website)", "II. Project Description File (form S-1-1(1)) (items in the attached file)" and "III. Project Description File (form S-1-1(2)) (items in the attached file)". No modifications to the prescribed form are permitted.

※The Screening Commission of the Scientific Research Grant Committee and the persons in charge of the writing of the opinions of the screening panel who belong to domestic research institutions conduct the screening based on all the forms, and the persons in charge of the writing of the opinions of the screening panel who belong to overseas research institutions conduct the screening based on the "I. Application Information (entry via the website)" and "II. Project Description File (form S-1-1(1)) (items in the attached file)".

※Proposals for grant-in-aid prepared in English will also be accepted. On the screen of "Entry of Application Information", if the "Japanese ▶ English" button at the upper left of the screen is clicked, then the explanations are translated into English.

I. Application data (entry via the website)

The confirmation of the content of the application and the preparation of the screening material is based on the "Application Information (to be entered in the Website)", which constitutes one part of the application documents. Consequently, it is possible that the information entered in the website will have an influence on the results of the screening, or it is possible that the research project will not be accepted for screening, because of the content entered. Therefore, the applicant should prepare the application information with care.

The "Application Information (to be entered in the Website)" are the items which the Principal Investigator directly enters after accessing the "JSPS Electronic Application System for Projects Funded by KAKENHI" (hereinafter called "electronic application system") using the ID and the password for the Cross-Ministerial Research and Development Management System (hereinafter called "e-Rad"), which has been provided by his or her research institution. This data also constitutes the first half of the proposal for grant-in-aid.

Moreover, a part of the application data (effort and other information) should be registered in e-Rad.

The Principal Investigator is responsible for preparing the application information and should do so according to the rules set forth in the Application Procedures. When preparing the application information, he or she should pay attention to the following points.

Since the name of the Principal Investigator and the research institution he or she belongs to are information that has been registered in advance from the Principal Investigator's research institution, this information will be automatically displayed. Therefore, if the applicant finds mistakes when verifying it, he or she should contact the Secretariat of his or her research institution, after storing the data to be entered temporarily. He or she should then follow the instructions provided by the Secretariat.

1. New or continued
The applicant should select "New".

2. If continued, Research Project Number
Because this is an item that needs to be entered only in the case of a continued application, the applicant cannot enter it.

3. Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan
The applicant should select the appropriate item from among "Applying" or "Not Applying".

Moreover, when the applicant selects "Applying", he or she should be sure to enter the research project number of the continued research project of which 2017 is the final fiscal year and which is eligible for an application for the fiscal year before the final fiscal year of a research project. He or she should be sure to describe the necessary items in the section "Items to be entered when making an application for the fiscal year before the final fiscal year of a research project" in **"Project Description File (form S-1-1(2)) (items in the attached file)"**.

4. Requested Areas for Screening (Divisions)

The applicant should be sure to select one appropriate category for which he or she wishes screening from among "Humanities and Social Sciences", "Science and Engineering (Mathematics/Physics)", "Science and Engineering (Chemistry)", "Science and Engineering (Engineering)", or "Biological Sciences".

5. Name of the Principal Investigator

Since the section "name" is information that has been registered in advance from the research institution the Principal Investigator belongs to, this information will be automatically displayed. Therefore, the Principal Investigator in question should verify whether his/her name has been registered correctly.

Moreover, in the section (English) below, the applicant should enter his/her name in alphabet, in the order family name, first name.

6. Position, Academic Unit and Research Institution of the Principal Investigator

Since the section "Research Institution", the section "Academic Unit", and the section "Position" are information that has been registered in advance from the research institution the Principal Investigator belongs to, this information will be automatically displayed. Therefore, the Principal Investigator should verify whether the information on his/her professional affiliation has been registered correctly at the time he or she is preparing the proposal for grant-in-aid.

Moreover, in the section (English) below, the applicant should enter the respective information in English.

(1) If the name of the academic unit that is automatically displayed in the section "academic unit" is different from the name of the academic unit the applicant actually belongs to, he or she should enter the actual name of his or her academic unit. (If the institution the applicant belongs to is not of the level of an academic unit, it is not necessary to enter anything in the section "name".)

(2) If the name of the position that is automatically displayed in the section "position" is different from the actual name of the applicant's position, he or she should enter the actual name of his or her position.

7. Title of Proposed Project

In the section "Title of Proposed Project", the applicant should enter a title for the proposed research project within 40 characters. (Titles of Proposed Projects exceeding 40 characters cannot be entered.) The title should express the content of the research until the end of the research period in concrete terms. (The applicant should avoid general or abstract expressions.)

As a general rule, changes in the title of the research project will not be accepted.

The applicant should keep in mind that voiced sound symbols (*dakuten*) and semivoiced sound symbols (*handakuten*) are not counted independently as one character, but that letters of the alphabet, numbers, symbols, etc. are all counted as one character and displayed as such. The applicant should avoid the use of chemical formulas and mathematical formulas as much as possible. (Display example Ca^{2+} → input as Ｃａ２＋(counts

as 4 characters))

Moreover, in the section below (English), the applicant should enter the information in English within 200 characters (only half-width characters). Full-width symbols cannot be entered.

8. Budget for Proposed Project

The applicant should enter the budget for the proposed project for which an application is being made in the section "Budget for Proposed Project", based on the research plan and dividing the costs per fiscal year and per details (for example "equipment", "consumables", "travel expenses", etc.). In this case, the applicant should pay particular attention to the "Eligible costs (direct costs)" and "Ineligible costs" which are stated below. Moreover, it should be noted that research plans for which the amount of the research budget is less than 100,000 yen in one of the fiscal years of the research period are not eligible for KAKENHI.

Since the total amounts per fiscal year and per item of expense to be used are automatically displayed on the confirmation screen after being entered, the applicant should verify them checking the amounts which he or she entered.

When entering the information, the amount should be entered in units of thousand yen and fractions of less than thousand yen should be rounded down.

Moreover, the applicant should be sure to enter "0" in all the sections for (1) items of expenses that do not fall in the fiscal year the application is made for, and for (2) all the items of expenses that fall in a fiscal year when no application is made.

Moreover, in the section below the amount, in which $1=¥100, is shown automatically.

"Eligible costs (direct costs)"
The budget necessary for the implementation of the research plan (including the budget necessary for summarizing the research achievements) is eligible.

    * In case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year, the applicant should write down in the proposal the reasons why these costs in question are necessary for the implantation of the research.

"Ineligible costs"

    The following costs are not included in the funding:

    A   Costs for buildings and other facilities (excluding the costs for minor installations which became necessary because of the introduction of goods that have been purchased by means of direct costs)

    B   Costs for handling accidents or disasters that occurred during the implementation of funded project

    C   Personnel expenditure and remuneration for the Principal Investigator or Co-Investigator(s) (kenkyū -buntansha)

    D   Other costs which fall under indirect costs*

    * Indirect costs are costs necessary for the management of the research institution and other things that arise

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9. Researchers in related research areas (Not converted to PDF)

In the section "Researchers in related research areas", the applicant should enter the information of researchers of which he or she thinks that they have the most thorough knowledge of the research area related to the research project the application is being made for, and of which he or she thinks that they are able to assess accurately the content of the research project the application is being made for. He or she should respectively enter researchers who belong to a domestic research institution (3 persons. As a general rule, persons who are eligible to apply for KAKENHI (cf. procedures for application)) and researchers who belong to an overseas research institution (3 persons or more, less than 5 persons). (Moreover, for researchers who belong to a domestic research institution, "Name", "Research Institution" and "Position" are items which must be entered, but for researchers who belong to an overseas research institution, "Name", "Research Institution" and "E-mail" are items which must be entered.)

A written opinion from every domestic and overseas researcher in related research areas entered will be requested.

However, researchers who are project members in the same research project for which the current application is being made, researchers who belong to the same research institution as the Principal Investigator and persons who fall under the points from ① to ⑤ below are excluded.

① Kinship or a close personal relationship that is equivalent.

② A close relationship in which joint research is conducted.

(For example, a person with whom the applicant has a close relationship in the implementation of a joint project, the writing of a co-authored research paper, or who is a member of a research association with the same purpose.)

③ A relationship in which the researcher belongs to the same research unit (a researcher who belongs to the same chair)

④ A close master and pupil relationship or a direct employment relationship

⑤ An antagonistic relationship that could be considered as a relationship in which the selection of the research project or the assessment directly benefits the grader, or a competitive relationship.

Moreover, if there are researchers of which the applicant thinks that they are not appropriate as domestic or overseas persons in charge of the writing of the opinions of the screening panel, because they are in a competitive or antagonistic position, or because of other reasons, the applicant should enter in the respective sections "Researchers who belong to a domestic research institution and whom the applicant wishes to avoid as persons in charge of the writing of the opinions of the screening panel" and "Researchers who belong to an overseas research institution and whom the applicant wishes to avoid as persons in charge of the writing of the opinions of the screening panel" (optionally, up to three persons for each section).

As a general rule, a written opinion of the screening panel is prepared for all the research projects. However, if the Principal Investigator judges that screening by an overseas researcher is difficult or inappropriate, he or she should select "Not appropriate" in the section "Appropriateness of screening by an overseas researcher" and describe the reasons in the section "Reason(s) why screening by an overseas researcher is not appropriate" of the "Project Description File (form S-1-1(2))". In this case, it is not necessary to enter information in the sections "Researchers in related research areas who belong to an overseas research institution and who are considered as suitable as persons in charge of the writing of the opinions of the screening panel" and "Researchers who belong to an overseas research institution and whom the applicant wishes to avoid as persons in charge of the writing of the opinions of the screening panel" among the items that need to be entered in the website.

Moreover, the applicant should bear in mind that the Scientific Research Grant Committee will judge on the appropriateness of the reasons, and that, even if it does not judge that the reasons are appropriate, it will not reject them as a violation of the requirements of the application, but consider them in the comprehensive judgment during the screening.

10. Related research areas (items)

In the section "Related research areas (items)" the applicant should select up to two areas, disciplines and research fields of which he or she thinks that they are the most closely related to the content of the research project for which the current application is being made (at least one should be selected), and enter them in the order of degree of relatedness.

It is possible to generate the list of research field numbers on the entry screen. Please refer to the Application Procedures when necessary, since this information is also mentioned there.

11. Contact information of the Principal Investigator (Not converted to PDF)

In the section "Contact Information of the Principal Investigator" the information in case it is necessary to contact the Principal Investigator directly should be entered. (For example, the applicant is requested to enter not the location of the head office, but the location of the campus where the Principal Investigator actually works, as the address of the place of employment.)

12. Project Members List

The definitions of "Principal Investigator", "Co-Investigator (*kenkyū-buntansha*)", "Co-Investigator (*renkei-kenkyūsha*)", and "Research Collaborator" are as follows.

"Principal Investigator (The applicant)"

(A) The Principal Investigator is a member of a funded project and is the researcher who assumes full responsibility for the implementation of the research project (including the summarizing of the research achievements).

    Moreover, persons who are expected to become unable to carry out their responsibility as a Principal

Investigator, for example due to the loss of their applicant eligibility during the period of research, should avoid becoming a Principal Investigator.*

* The Principal Investigator is the researcher who assumes a full responsibility for the implementation of the research plan and thus plays a central role. Persons who, at the time they apply, are expected to lose their eligibility to apply during the research period due to retirement or other reasons and are therefore thus expected to become unable to carry out the responsibility, are requested not to become a Principal Investigator since the substitutions of Principal Investigators is not accepted.

However, for "Summarizing Group and International Group Research Projects" of "Scientific Research on Innovative Areas (Research in a proposed research area)", it may happen that, after completion of the necessary procedures, replacements of Principal Investigators (or Principal Investigator of Innovative Areas) may be accepted.

(B) When setting up a team of project members, the Principal Investigator should without fail collect a "Written Consent of the Co-Investigator (*kenkyū-buntansha*) (for other institution)", in case the Co-Investigator (*kenkyū-buntansha*) in question belongs to a different research institution, or a "Written Consent of the Co-Investigator (*kenkyū-buntansha*) (for same institution)", in case the Co-Investigator (*kenkyū-buntansha*) belongs to the same institution, and retain it.

(C) Apart from registration in e-Rad of the information on the researchers as "Eligible to Apply for KAKENHI", it is essential that Principal Investigators are not designated as ineligible for receipt of funding in FY2017, because they committed fraudulent use, fraudulent receipt of grants or fraudulent acts using KAKENHI or other competitive funding.

"Co-Investigator (*kenkyū-buntansha*)"

(A) The Co-Investigator (*kenkyū-buntansha*) is a member of the funded project, and engages in research activity, collaborating with the Principal Investigator in the implementation of the research project and sharing the responsibility for the implementation of the research as a funded project. He or she has to receive a share of the grant-in-aid. (Even when the Co-Investigator (*kenkyū-buntansha*) belongs to the same research institution as the Principal Investigator, he or she should be allotted a share of the expenses.)

Moreover, a person who is expected to become unable to carry out one's responsibility as a Co-Investigator (*kenkyū-buntansha*), for example due to the loss of one's applicant eligibility during the period of research, should avoid becoming a Co-Investigator (*kenkyū-buntansha*).

(B) Apart from registration in e-Rad of the information on the researchers as "Eligible to Apply for KAKENHI", it is essential, in the same manner as for Principal Investigators, that Co-Investigators (*kenkyū-buntansha*) are not designated as ineligible for receipt of funding in FY2017, because they committed fraudulent use, fraudulent receipt of grants or fraudulent acts using KAKENHI or other competitive funding.

"Co-Investigator (*renkei-kenkyūsha*)"

(A) The Co-Investigator (*renkei-kenkyūsha*) is a researcher who participates in the research project as a project

In addition, the applicant should fill in the section "Project Members List" while keeping in mind the following points.

(1) Concerning the edit box for the project members (Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*)), when pressing the button "⁺Add" on the left side of the entry screen one time for every member of the project, the edit box in which the data need to be entered is displayed.

The applicant should delete edit boxes for data entry that are not being used (when he or she entered data but finally does not use them, or when he or she did not enter data at all), by pressing the button "Delete" on the left side.

The section "number of project members", displayed on the lowermost part of the screen, is displayed automatically, according to the number of edit boxes for data entry.

If the number in the section "number of project members" and the total number of persons for whom data have actually been entered do not correspond, then an "error" is displayed on the confirmation screen after the data

has been entered. Therefore, the applicant should always delete edit boxes for data in which no data has been entered.

(2) The distinction Co-Investigator (*kenkyū-buntansha*) and Co-Investigator (*renkei-kenkyūsha*)

The applicant should select the appropriate item from among "kb" (Co-Investigator (*kenkyū-buntansha*)) and "rk" (Co-Investigator (*renkei-kenkyūsha*)) in the section "Distinction".

(3) In the case of collaborative research with a researcher from abroad, or a researcher from a company who is not qualified to apply for KAKENHI, these researchers become "Research Collaborator".

Therefore, the applicant should not enter them in the Project Members List, but should mention them in a section where he or she explains the overall research plan, for example, in the section "Research Plan and Methods" of the Proposal for Grant-in-Aid that he or she is preparing. This should be done in accordance with the instructions provided in the Procedures for Preparing and Entering a Proposal for Grant-in-Aid.

(4) Information on the researchers

The correct information for each researcher, such as (1) researcher number, (2) name (Pronunciation in katakana, Kanji, English), (3) age (as of April 1, 2017), (4) position, academic unit, research institution, (5) field of specialization, and (6) academic degree, should be entered or selected after verification by each researcher in person and by the secretariat of the research institution the researcher belongs to. (A list of numbers for "position, academic unit, research institution" can be generated from the entry screen.)

However, since among the information on the Principal Investigator the items (1), (2), (3) and (4) are information that has been registered in advance from the research institution to which the Principal Investigator belongs, this information will be automatically displayed. Therefore, the Principal Investigator in question should verify whether this information has been registered correctly.

(5) If the name in the "list of numbers for academic units" in the section "academic unit" is different from the name of the academic unit the applicant actually belongs to, he or she should enter the actual name of his or her academic unit. (If the institution the applicant belongs to is not of the level of an academic unit, it is not necessary to enter anything in the section "Japanese " and "English".)

(6) If the name in the "list of numbers for position" in the section "position" is different from the actual name of the position, he or she should enter the actual name of his or her position.

(7) In the section "Roles", the applicant should fill in, how the Principal Investigator, the Co-Investigator(s) (*kenkyū-buntansha*) and Co-Investigator(s) (*renkei-kenkyūsha*) will cooperate to carry out the research, in a way that clarifies the respective connections between the researchers, and highlighting the allotment of research tasks in the research implementation plan FY2017.

(8) In the section "Budget for Requested for FY2017" the share of the grant-in-aid to the Principal Investigator and the Co-Investigator(s) (*kenkyū-buntansha*) should be entered in units of thousand yen, based on the research plan. (Since Co-Investigators (*renkei-kenkyūsha*) cannot receive a share of the funding, his/her/their section does not need to be entered.)

The total amount of all the shares of the grant-in-aid to each researcher should correspond to "Annual Budget" of "Budget for Proposed Project" for "FY2017" in the section "8. Budget for Proposed Project". (If it does not correspond, "error" is displayed on the confirmation screen, the data have been entered.)

(9)The applicant should enter the time allocation rate (an integral number between 1 and 100) of the Principal Investigator and the Co-Investigator (*kenkyū-buntansha*) in the section "Effort", assuming that the research project for which the current application is being made would be selected (The section for Co-Investigator(s) (*renkei-kenkyūsha*) does not need to be entered.).

When determining the time allocation rate, the applicant should determine it keeping in mind the definition of "effort" by the Council for Science and Technology Policy. This definition is "the percentage of time allocation (%) necessary for the implementation of the research in question, if the entire yearly working time of the researcher is set at 100%". Moreover, the "entire working time" does not mean time spent only on research activities, but entire actual working time, including time spent on educational activities and other activities.

Moreover, when the research project for which the current application is being made is selected, the applicant will be requested to determine the effort anew at that time and it will be registered in e-Rad.

(10)In each section where (English) is written, the applicant should enter the respective items in English.

13. File of Details of Application

The applicant should upload the prepared "Project Description File (form S-1-1(1)) (items in the attached file)" in the section "(1) Please select the File of Details of Application (Word or PDF)". Moreover, he or she should ensure that the file name starts with "en". (Capital letters are possible.)

The applicant should upload the prepared "Project Description File (form S-1-1(2)) (items in the attached file)" in the section "(2) Please select the File of Details of Application　(Word or PDF)". Moreover, he or she should ensure that the file name starts with "jp". (Capital letters are possible.)

Application information (Items to be filled in on the form on the website) (screenshot)

Specially Promoted Research ①

JSPS
科研費電子申請システム

? Help ✕ Logout

応募者向けメニュー＞研究計画調書作成(Enter Grant-Disbursement Application Information>応募情報又は研究計画調書確認 >応募情報又は研究計画調書確認完了)

Enter Application Information English ▸ Japanese

29 minutes have been passed since the screen had been displayed.

Last Saved Date: XXXXXXXX XXXX

< Note >

- The item with "*" is mandatory both new and continued.
- If the system remains idle for a certain period of time, a session time out may clear any information entered. Click Temporarily Save periodically to store changes. In such instance, please read the frequently asked questions on the electronic application system information page.
- **The system may experience problems when multiple windows or tabs are opened. Please avoid an access from multiple windows or tabs.**

[➡ Save Temporarily and Go to Next] [Temporarily Save] [Go Back Without Save]

Proposal for Grant-in-Aid for "Specially Promoted Research" (FY2017)

New or Continued *	[▾] (For Continued, only continued projects fixing substantial changes to the research plan will be applicable.)
If continued, Research Project Number	[ ] [Obtain information about continued project ➡] (Click when the New and Continue is Continued)
Application for a Grant for the Fiscal Year *	[▾]
before the Final Fiscal Year of a Research Plan	[ ] (Enter the Grant Number for the Research Plan with FY 2017 as the final year of the research period)
Requested Areas for Screening (Divisions) *	[▾]

Name of the Principal Investigator		(Pronunciation in katakana) ダイヒョウ イチロウ
		(Kanji etc) 代表 一郎
		(English) (Family Name) [ ] (First Name) [ ]
Research Institution	(Number) 99999	(Japanese) AAA大学
		(English) AAA University
Academic Unit	(Number) 999	(Japanese) ○○部 (Enter appropriate name of the department if the department name displayed is incorrect)
		(English) [ ]
Position	(Number) 20	(Japanese) 教授 (Enter if the Position name is different, or "その他" is selected)
		(English) [ ]
Title of Proposed Project		*Japanese [ ] (Up to 40 characters)
		English [ ] (Up to 200 single-byte characters)

29 minutes have been passed since the screen had been displayed. [Temporarily Save]

【Budget for Proposed Project (Round down below one thousand yen)】 (0 must be entered when not applicable)

Unit (Thousand Yen above, U.S. $ below)
Automatically converts $1 to 100 Yen

Fiscal Year	Annual Budget	Details				
		Equipment	Consumables	Travel Expenses	Personnel Expenditure and Remuneration	Miscellaneous
FY 2017	0	*[0]	*[0]	*[0]	*[0]	*[0]
	0	0	0	0	0	0
FY 2018	0	*[0]	*[0]	*[0]	*[0]	*[0]
	0	0	0	0	0	0
FY 2019	0	*[0]	*[0]	*[0]	*[0]	*[0]
	0	0	0	0	0	0
FY 2020	0	*[0]	*[0]	*[0]	*[0]	*[0]
	0	0	0	0	0	0
FY 2021	0	*[0]	*[0]	*[0]	*[0]	*[0]
	0	0	0	0	0	0
Total Amount	0	0	0	0	0	0
	0	0	0	0	0	0

29 minutes have been passed since the screen had been displayed. [Temporarily Save]

Application information (Items to be filled in on the form on the website) (screenshot)

Specially Promoted Research②

【Researchers in related research areas who belong to a domestic research institution and who are considered as suitable as persons in charge of the writing of the opinions of the screening panel】 Note: Not converted to PDF

Name		Research Institution	Academic Unit	Position	Field of Specialization	Phone Number	Email
Family name	First name						

【Researchers who belong to a domestic research institution and whom the applicant wishes to avoid as persons in-charge of the writing of the opinions of the screening panel (optional) 】 Note: Not converted to PDF

Name		Research Institution	Academic Unit	Position	Field of Specialization
Family name	First name				

【Appropriateness of screening by an overseas researcher】
As a general rule, select Appropriate because the screening will be carried out by an overseas researcher.
When the screening by an overseas researcher is not appropriate, Not appropriate must be selected and reasons must be entered in the research plan.

Appropriateness of screening by an overseas researcher	[▼]

【Researchers in related research areas who belong to an overseas research institution and who are considered as suitable as persons in charge of the writing of the opinions of the screening panel】 Note: Not converted to PDF

Name		Research Institution	Academic Unit	Position	Field of Specialization	Phone Number	Email
Family name	First name						

【Researchers who belong to an overseas research institution and whom the applicant wishes to avoid as persons in charge of the writing of the opinions of the screening panel (optional) 】 Note: Not converted to PDF

Name		Research Institution	Academic Unit	Position	Field of Specialization
Family name	First name				

29 minutes have been passed since the screen had been displayed. **Temporarily Save**

【Related Research Areas (items) 】
Enter the most related research area in (1) and the second most related research area in (2) .
(For New category, the selection of (1) is mandatory)

	(1)	(2)
Item Number (List)	[ ]	[ ]
Area		
Discipline		
Research Field		

Contact information of the Principal Investigator Note: Not converted to PDF	Postcode:*[ ]
	Address:*[ ]
	Phone Number:*[ ] FAX Number:*[ ]
	Email:*[ ]

29 minutes have been passed since the screen had been displayed. **Temporarily Save**

Application information (Items to be filled in on the form on the website) (screenshot)

Specially Promoted Research③

【Project Members List (Principal Investigator and Co-Investigators)】

Please click Add to register Co-Investigators (kenkyu-buntansha and renkei-kenkyusha).
Note: Click Add on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).
Note: kb: Co-Investigator(kenkyu-buntansha), rk: Co-Investigator(renkei-kenkyusha)

Distinction	Name (Age)	1.Research Institution (List) 2.Academic Unit (List) 3.Position	1.Field of Specialization 2.Academic Degree 3.Roles	Budget Requested for FY 2017 (Thousand Yen) [U.S.$]	Effort (%)
研究代表者 (Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダイヒョウ イチロウ (Kanji etc) 代表 一郎 (English) Daihyou Ichirou (Age) 60 Years Old	1.(Number) 99999 AAA大学 AAA University 2.(Number) 999 AA学部 AA Department 3.(Number) 20 教授 Professor	1.* (English) 2.* (English) 3.* (English)	* ___ Thousand Yen	* ___
Delete	*(Researcher Number) ___ (Pronunciation in katakana) (Family Name) * ___ (First Name) ___ (Kanji etc) *(Family Name) * ___ (First Name) ___ (English) (Family Name) ___ (First Name) ___ *(Age) ___ Years Old	1.(Number) * ___ (English) ___ 2.(Number) * ___ (Japanese) ___ (Enter the name of academic unit if different from the name in the list of academic unit numbers.) (English) ___ 3. * ___ (Enter the position name of if different from the position name in the list of position numbers) (English) ___	1.* (English) 2.* (English) 3.* (English)	___ Thousand Yen ___	
Delete	*(Researcher Number) ___ (Pronunciation in katakana) (Family Name) * ___ (First Name) ___ (Kanji etc) *(Family Name) * ___ (First Name) ___ (English) (Family Name) ___ (First Name) ___ *(Age) ___ Years Old	1.(Number) * ___ (English) ___ 2.(Number) * ___ (Japanese) ___ (Enter the name of academic unit if different from the name in the list of academic unit numbers.) (English) ___ 3. * ___ (Enter the position name of if different from the position name in the list of position numbers) (English) ___	1.* (English) 2.* (English) 3.* (English)	___ Thousand Yen ___	
Add					

Number of Project Members 3

29 minutes have been passed since the screen had been displayed. **Temporarily Save**

File of Details of Application

(1) Please select the File of Details of Application (Word or PDF).
  Upload the Form S-1-1(1).   参照...

(2) Please select the File of Details of Application (Word or PDF).
  Upload the Form S-1-1(2).
  Note: When the New or Continued is set to Continue, upload the Form S-1-2.   参照...

- Reselecting the updated File of Details of Application will overwrite the existing file.
- When you do not need to update the file, the File of Details of Application field can be left blank.
- A PDF file can be used instead of a Word file for the File of Details of Application. (A PDF file must be created using the format of the File of Details of Application in accordance with the Word file or the format provided by the JSPS or the MEXT)
- Do not change the margin setting of the File of Details of Application. Doing so may cause errors.

Save Temporarily and Go to Next   **Temporarily Save**   **Go Back Without Save**

Logout

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II. Project Description File (Form S-1-1 (1)) (Items in the Attached File)

The items below are the content of the **"Project Description File (Form S-1-1 (1)) (Items of the Attached File)"**, and form the second half of the proposal for grant-in-aid (PDF file) together with the **"Project Description File (Form S-1-1 (2)) (Items of the Attached File)"**, that is described below.

The content of this file is material that is used by the persons in charge of the writing of the opinions of the screening panel who belong to overseas research institutions to conduct the screening answering the following questions:

    ① Did the researcher in question gain international recognition in his/her research area?

    ② Will the research project for which the current application is being made gain international recognition in the context of the present conditions and trends of the research area in question?

It will be subjected to review that the persons in charge of the writing of the opinions of the screening panel conduct, who belong to Review Committee of the Scientific Research Grant Committee and to the domestic (Japanese) research institution, in combination with the **"Project Description File (Form S-1-1 (2)) (Items of the Attached File)"** that is described below.

For the **"Project Description File (Form S-1-1 (1)) (Items of the Attached File)"**, the Principal Investigator should download the form from the homepage for grants-in-aid for scientific research of JSPS and fill it in. Then he or she should access the "Electronic Application System" and attach it. (Files above 3 MB cannot be attached.)

This file should be filled in completely in English, and, as a general principle, the character size and the font should respectively be 10 point or larger and "Century".

However, in cases which fall under the category "Not appropriate" under the section "Appropriateness of screening by an overseas researcher", the applicant should fill in only the sections 2. "CURRICULA VITAE". (In this case, they can be filled in Japanese.)

Moreover, the applicant should keep in mind that the submission of the **"Project Description File (Form S-1-1 (1)) (Items of the Attached File)"** is also necessary in cases which fall under the category "Not appropriate" under the section "Appropriateness of screening by an overseas researcher".

※ When attaching the filled in file to the electronic application system, the applicant should upload it in the section "(1) Please select the File of Details of Application　(Word or PDF)" of　"File of Details of Application". Moreover, he or she should make sure that the file name starts with "en" (capital letters are possible)

1. The section "PROJECT DESCRIPTION"

This section is the part the overseas persons in charge of the writing of the opinions of the screening refer to when examining the above-mentioned points ① and ②. With this in mind, the applicant should describe concisely in English (within two pages) (1) The background of the research project and past-related achievements, (2) The necessity and importance of the current proposal and its position in the field of academic

study in question, (3) Based on this, research objectives and targeted goals of this project. He or she can quote (clearly stating the volume and issue number) related literature, when he or she thinks it is relevant.

Moreover, **it is not necessary to describe in this section sensitive research ideas the leakage of which could lead to substantial disadvantage for the applicant**.

On the other hand, details on the research project for which the current application is being made should be described in each section of the **"Project Description File (Form S-1-1 (2)) (Items of the Attached File)"**.

2. The section "CURRICULA VITAE"

The applicant should prepare the section "CURRICULA VITAE" on separate pages for each Principal Investigator and Co-Investigator (*kenkyū-buntansha*) (in the order mentioned in the section "Project Members List" of "Application Information (to be entered in the Website)"), according to the instructions below and the instructions mentioned in the respective sections to be filled in.

Moreover, since Specially Promoted Research aims at research plans coordinated by one or relatively few researchers, it should also be prepared for Co-Investigators (*renkei-kenkyūsha*) who participate as project members, if the need arises.

Moreover, because the forms from (1) to (5) listed below form an integrated set, each researcher should complete them.

(Example) In case of project members Principal Investigator, Co-Investigator (*kenkyū-buntansha*) ① , Co-Investigator (*kenkyū-buntansha*)②

Principal Investigator	Specially Promoted Research 1 - 3
	Specially Promoted Research 1 - 4 - (1)
	Specially Promoted Research 1 - 4 - (2)
	Specially Promoted Research 1 - 4 - (3)
	Specially Promoted Research 1 - 5
Co-Investigator (*kenkyū-buntansha*)①	Specially Promoted Research 1 - 3
	Specially Promoted Research 1 - 4 - (1)
	Specially Promoted Research 1 - 4 - (2)
	Specially Promoted Research 1 - 4 - (3)
	Specially Promoted Research 1 – 5
Co-Investigator (*kenkyū-buntansha*)②	Specially Promoted Research 1 - 3
	Specially Promoted Research 1 - 4 - (1)
	Specially Promoted Research 1 - 4 - (2)
	Specially Promoted Research 1 - 5

※Each researcher should fill in running numbers beginning from 1 in the brackets ( ) of the form Specially Promoted Research 1 - 4 - ( ).

(1) In the subsection "Age" the applicant should enter his/her age as of April 1, 2017.

In the section "Institution (University, College, etc.), Academic Unit (School, Faculty, etc.) and Position", the applicant should enter his/her institution (university, college, etc.), academic unit (school, faculty, etc.) and position at the time of the preparation of the proposal for grant-in-aid.

(2) In the subsection "Roles", the applicant should enter concisely the roles of the researchers who occur in the proposal (linking it with the section **"Project Description File (Form S-1-1 (2)) (Items of the Attached File)"** 1. (2) "Purpose of the Research").

(3) In the subsection "Research Careers and Experience", the applicants should enter their principal research careers and experience since graduation in their last school, beginning with the most recent.

(4) The subsection "RECENT RESEARCH ACTIVITIES I (Publications)"

The applicant should select his or her main research papers, books (excluding textbooks, abstracts of scientific societies, and lecture resumes), industrial property rights, and other research output, that he or she published or obtained up to the present, without limiting the selection to the publications or industrial property rights of which the content is related to the currently proposed research project. He or she should complete them within 3 pages, starting from the present and progressing down to the past, listing them per year of publication (calendar year) (lines dividing each year can be moved), and adding running numbers. Enter research achievements focusing primarily on achievements from 2012 onward. It is also acceptable to enter key research papers, or other key achievements, which you published up to the present or which are closely related to the current research (up to ten items), even if they were published before 2012.

Moreover, in case the applicant fills in research papers that have been submitted to an academic journal, he or she should limit them to the research papers of which the publication has been decided.

Moreover, in case of published research papers, the title of the paper, the author name, the journal title, whether peer reviewed or not, the volume number, the first and last page numbers, and the year of publication (Christian Era) should be filled in. (It is allowed to shift the order of these items, as long as each item is properly mentioned.) In case there is more than one author, it is allowed to fill in several main authors and to omit the others. (In case the applicant omits authors, he or she should fill in the section "the total number of authors (A) and your entry number in the author list counted from the first author (B). (e.g. "(B)/ (A)") ".) He or she should mark the Principal Investigator with a double underline, and the Co-Investigator(s) (*kenkyū-buntansha*) with a single underline.

Moreover, a corresponding author should be marked with an asterisk ("*") on the left side. Publications that are related to the proposed research project should be marked with a plus symbol ("+") in the beginning.

(5) The subsection "RECENT RESEARCH ACTIVITIES Ⅱ (Invited Lectures and Talks, Prizes, etc.)"

The applicant should select from his or her main invited lectures and talks at international conferences and prizes received focusing primarily on achievements from 2012 onward the ones he or she thinks are especially important. He or she should fill them in within 1 page, starting form the present and progressing down to the

past, listing them per year of publication (calendar year) (lines dividing each year can be moved). In case there are no items to be mentioned, this section can be left blank.

Moreover, for the invited lectures and talks at international conferences, the name of the international conference, the time and date when and the place where the conference took place, and the title of the lecture or talk should be filled in. For the prizes received, the name of the prize should be filled in. Items that are related to the proposed research project should be marked with a plus symbol ("+") in the beginning.

III. Project Description File (Form S-1-1 (2)) (Items in the Attached File)

The items below are the content of the **"Project Description File (Form S-1-1 (2)) (Items of the Attached File)"**, and form the second half of the proposal for grant-in-aid (PDF file).

For the **"Project Description File (Form S-1-1 (2)) (Items of the Attached File)",** the Principal Investigator should download the form from the homepage for grants-in-aid for scientific research of JSPS and fill it in. Then he or she should access the "Electronic Application System" and attach it. (Files above 3 MB cannot be attached.)

※ When attaching the filled in file to the electronic application system, the applicant should upload it in the section "(2) Please select the File of Details of Application　(Word or PDF)" of "File Details of Application". Moreover, he or she should make sure that the file name starts with "jp" (capital letters are possible).

1. Overall Research Plan

The applicant should enter the overall research plan, according to the instructions below and the instructions mentioned in the respective sections to be filled in. From (1) to (9) below, he or she should use character size 11 or larger.

Moreover, the applicant is allowed to add pages in each of the sections from (1) to (8) below. However, the information in the sections from (1) to (8) should be limited to the main points, so that it does not exceed 14 pages in total.

In addition, please take note that the following research projects are not eligible.

① Research projects which merely aim at purchasing ready-made research equipment.
② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.
③ Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).
④ Funded research which is carried out as commercial business.
⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period.

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) **The section "Purpose of the Research"**

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(2) **The section "Necessity of the Research"**

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(3)**The section "Research papers/articles of other researchers in which earlier research achievements of the**

applicant have been quoted"

The applicant should describe the research papers/articles in question related to (1) and (2) according to the instructions mentioned in the proposal for grant-in-aid.

(4) **The section "Research Plan and Methods"**

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(5) **The section "State of Preparations for the Research Project and Methods to Disseminate the Research Results to Society and Citizens"**

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, since KAKENHI are funded with tax and other means of citizens, researchers are required to explain their research results to society and citizens, insofar as possible, in an easy-to-understand form. Therefore, applicants should describe the methods to disseminate their research results to society and citizens (e.g. the creation of a homepage, creation of a pamphlet publicizing research results, participation in public and other events, planned presentations in the mass media, etc.).

(6) **The section "Research Funding Received and Achievements"**

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(7) **The section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment"**

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, if this does not apply, the applicant should make a statement to that effect.

(8) **The section "Entries when Applying for a Grant for the Final Year of a Research Plan"**

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, if this does not apply, the applicant should make a statement to that effect.

(9) **The section "Protection of Human Rights and Compliance with Laws and Regulations"**

The applicant should describe it according to the instructions mentioned in the proposal for grant-in-aid.

Moreover, if this does not apply, the applicant should make a statement to that effect.

(10) In the **section "Research Facilities"**, the applicant should enter information about the main research laboratory or experimental laboratory he or she can use for his/her research plan.

Moreover, if the applicant is using facilities for shared use in joint use with other research plans, he or she should enter how many hours a week it is possible to use the facilities and other information in the remarks section.

(11) In the **section "Equipment Currently Used"**, List the machines and equipment currently available for the research project.

State the available time per week and other explanations in the remarks section, if the equipment is to be shared or jointly used in any other research project.

(12) In the **section "Statement of Costs for Equipment"**, the applicant should enter the costs itemizing them per

fiscal year and provide a total sum, according to the instructions mentioned in the proposal for grant-in-aid. It is allowed to adjust the sections to be filled in (one box per fiscal year) to fit to the amount of costs stated. However, the total length should be limited to three pages or less.

Moreover, if the applicant purchases equipment in the final fiscal year of the research period, he or she should enter the reason why this is necessary in the section "Necessity and Adequacy" for each fiscal year in question.

(13) In the **section "Statement of Costs for Consumables and Other Items"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

    1.   Itemize the cost of consumables, such as chemicals, test animals, and glass implements.

    2. Itemize the travel expenses for the Principal Investigator, Co-Investigator(s) (*kenkyū-buntansha*), Co-Investigator(s) (*renkei-kenkyūsha*) and Research Collaborator(s) (such as people engaged in collecting materials, conducting the various surveys, attending meetings and presenting the research achievements). Itemize the transportation costs, accommodation costs and daily allowances for domestic and overseas travel.

    3. Itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (such as people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payments to temporary staff agencies.

     (Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

    4. Itemize costs other than the above-mentioned for conducting the research [such as the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings [rental of the venue and meals (excluding alcohol)], equipment rental (e.g., computers, automobiles, experimental equipment), equipment repairs, transportation other than travel, presentation of research achievements (fees for contributing to the publications of academic societies, website creation, preparation of pamphlets to publicize the research achievements, and costs of PR activities disseminating research achievements to the general public, and other matters), experiment waste disposal cost, and the other matters].

    Moreover, it is allowed to adjust the sections to be filled in (one box per fiscal year) to fit to the amount of costs stated. However, the total length should be limited to three pages or less.

(14) **The section "Reason why the total budget applied for exceeds 500 million yen"**

If this applies, this section should be filled in according to the instructions mentioned in the proposal for grant-in-aid.

2. Application for Research Funding, the Current State of Funding and Effort

   The applicant should enter the state of respectively "(1) Research Funding Applied for", "(2) Research Funding

to be Provided" and "(3) Other Activities" at the time of application for each Principal Investigator and each Co-Investigator (*kenkyū-buntansha*) (in the order in which they are mentioned in the section "Project Members List" of "Application Information (to be entered in the Website)")), taking into account the notes mentioned in the proposal for grant-in-aid and the following points.

・In the section "(1) Research Funding Applied for" and "(2) Research Funding to be Provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.

・If the applicant enters more than one form of research funding, he or she should do so adding boxes.

・Moreover, the applicant should also include research funding that is competitively delivered within the research institution to which he or she belongs in "(1) Research Funding Applied for" or "(2) Research Funding to be Provided".

・If the applicant is participating in project research conducted in line with a specific purpose (mission) of the research institution to which he or she belongs, he or she should also enter the research funding that is delivered in the sections "(1) Research Funding Applied for" and "(2) Research Funding to be Provided".

Moreover, if the research funding that is delivered to each individual is not clear, the applicant should make a statement to this effect in the section "I. Differences in the Content of the Research".

・The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) Research Funding Applied for" or "(2) Research Funding to be Provided". The effort for the research activities using such funding should be entered in "(3) Other Activities".

・The effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) Other Activities", if applicable.

・If the Co-Investigator (*kenkyū-buntansha*) is a Fellow of the Japan Society for the Promotion of Science (JSPS Research Fellow) (SPD, PD, RPD) and is scheduled to receive a Grant-in-Aid for JSPS Fellows in FY2017, he or she should enter this in "(2) Research Funding to be Provided". Moreover, the monthly stipend (including the part using as research expenses) paid by JSPS should not be entered.

・It is not necessary to enter Co-Investigator(s) (*renkei-kenkyūsha*).

・The applicant should fill in running numbers in the right-hand corner of the form "Specially Promoted Research 2-14-( )", as follows, starting from the Principal Investigator.

(Example) In case of project members Principal Investigator, Co-Investigator (*kenkyū-buntansha*) ①, Co-Investigator (*kenkyū-buntansha*) ②

Principal Investigator	Specially Promoted Research 2- 14 - (1)
	Specially Promoted Research 2- 14 - (2)
Co-Investigator (*kenkyū-buntansha*) ①	Specially Promoted Research 2- 14 - (3)
	Specially Promoted Research 2- 14 - (4)
Co-Investigator (*kenkyū-buntansha*) ②	Specially Promoted Research 2- 14 - (5)
	Specially Promoted Research 2- 14 - (6)

1) "Funding system / name of the research funding (research period / name of the funding Institution)"
   The applicant should enter the name of the research funding, the research period and the name of the funding

organization. Moreover, <u>in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research in a proposed research area), whether planned research or invited research), and the research period. However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number</u>.

> (Example 1) Screening division "General" in "Scientific Research" (C) with a research period from FY2016 to FY2019
> → Scientific Research (C) (General) (FY2016 to FY2019)
> (Example 2) "Challenging Research（Exploratory）" with a research period from FY2017 to FY2019
> →Challenging Research（Exploratory）(FY2017 to FY2019)
> (Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)" with a research period from FY2017 to FY2021
> → Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)
> (Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to FY2018
> → Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) "Title of Proposed Project (name of the Principal Investigator)"

The applicant should enter the title of the proposed project. Moreover, if the applicant participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the names of the Principal Investigator of the research project in question and others in parentheses.

3) "Role (separating Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"

The applicant should enter "Principal Investigator", if the role of the researcher in question is Principal Investigator and other matters, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*) and other matters.

4) "Budget for FY2017 (throughout for the period) "(in thousands of yen)

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should fill in the total amount of the direct cost for the whole research period. in "I. Differences in the Content of the Research" of the section "Connection Between the Research Project Currently Under Application and the Research Project in

Question".

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

Even if duplicate applications are permitted, but a research category that will not be selected, because one of the applications is "Specially Promoted Research", is listed, the applicant should enter a " ‐ " (hyphen).

Moreover, in case he or she is conducting research using a competitive funding system, he or she should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the "effort" again, and register it in e-Rad.

6) "Connection between the Research Project Currently Applied and the Original Research Project"

The applicant should respectively describe concretely and precisely the connection between the research funding applied for or the research funding to be provided, on the one hand, and the research project for which the current application is being made, on the other hand, and state the differences of the content of the research in section "I", the reason to apply for the current research project in addition to the original research project in section "II", and the reason to cancel the research currently being carried out (research being implemented as "Scientific Research on Innovative Areas", "Scientific Research", "Exploratory Research" or "Grant-in-Aid for Young Scientists") and to conduct new research in section "III".

If the "Specially Promoted Research" is selected

The Principal Investigator of "Specially Promoted Research" should withdraw from research projects of the categories "Scientific Research on Innovative Areas" (type creating an innovative research area; call for proposals), "Scientific Research", "Challenging Exploratory Research", "Grant-in-Aid for Young Scientists (A/B)" and "Grant-in-Aid for Research Activity Start-up" for which he or she has already been selected as a Principal Investigator. Moreover, he or she cannot participate in research projects of other research categories as a Co-Investigator (*kenkyū-buntansha*).

Moreover, he or she cannot participate in the implementation of the research and the research for "Scientific Research on Innovative Areas" (type creating an innovative research area; planned research).

3. The section "Reason(s) why screening by an overseas researcher is not appropriate"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, if this does not apply, the applicant should make a statement to that effect.

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PROPOSAL FOR GRANT-IN-AID FOR SPECIALLY PROMOTED RESEARCH (FY2017)

XX　XX　XX

Principal Investigator (PI)	( )	
	( )	
	(in Roman Letters)	
Institution (University, College, etc.)	( ) 00000	
Academic Unit (School, Faculty, etc.)	( ) 000	
Position	( ) 00	
Title of Proposed Project		

Budget for Proposed Project

[ ] Converted to U.S. $ at 1 Dollar = 100 Yen

FY	Annual Budget [U.S. $]	Details				
		Equipment	Consumables	Travel Expenses	Personnel (Technical Assistant, Labor Cost, etc.)	Miscellaneous
29 2017	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
30 2018	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
31 2019	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
32 2020	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
33 2021	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Total Amount	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

FOR JSPS USE ONLY

( ) ( )			( ) ( )	
	29			
	00000-0000			

PROJECT MEMBERS

	Name (Age)	Institution (University, College, etc.) Academic Unit (School, Faculty, etc.) Position	Field of Specialization Academic Degree Roles	29 ( ) Budget Requested for FY2017 [U.S. $]	Effort (Time Spent on Project) (%)
PI	OOOOOOO (OO)	OOOOO OOOOO OOO OOO OO OO		[ ]	
Co-I	OOOOOOO (OO)	OOOOO OOOOO OOO OOO OO OO		[ ]	
Co-I	OOOOOOO (OO)	OOOOO OOOOO OOO OOO OO OO		[ ]	
				[ ]	
OO Total Number of Members: OO		25	Total Amount	[ ]	

Form S-1-1(1)

Specially Promoted Research 1 − 1

PROJECT DESCRIPTION

Give a description of maximum two pages on the following topics.　(You can refer to related publications.)

(1) Background of Research Project and Past-related Achievements of Applicants

(2) Importance and Necessity of this Project and its Expected Impact upon the Target Field of Research

(3)Research Objectives and Targeted Goals of this Project

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PROJECT DESCRIPTION (Continued)

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CURRICULA VITAE

1. PI /Co-I(s)	Name			
	Date of Birth		Age	
	Institution (University, College, etc.), Academic Unit (School, Faculty, etc.) & Position			
	Academic Degree			
	Field of Specialization			
2.Roles				

3. Research Careers and Experience

RECENT RESEARCH ACTIVITIES I (Publications)

List your significant academic contributions (research papers, articles, books) and intellectual properties up to the present regardless the relevance to this project. Begin with your most recent one. Do not include research papers under submission. Textbooks, abstracts for conferences and address summaries should not be included in this list either. Size of the box for each year can be adjusted accordingly to the number of entries. The list should be 3 pages at most. Enter research achievements focusing primarily on achievements from 2012 onward. It is also acceptable to enter key research papers, or other key achievements, which you published up to the present or which are closely related to the current research (up to ten items), even if they were published before 2012.

Name of PI or Co-I(s)	

Title and Authors etc.
(e.g., For research papers, list the title of the paper, authors, name of the journal, refereed or not, volume number, the first and last page numbers, year of publication)
Notes:
1. It is not necessary for above information to be listed in this order shown above, as long as all information is included.
2. Put a plus (+) sign at the head of the publication related to this project.
3. You need not list up all co-authors. If part of the author list is omitted, write the total number of authors (A) and your entry number in the author list counted from the first author (B). (e.g. "(B)/ (A)")
4. Mark PI with a double underline, and Co-I(s) with a single underline.
5. Put an asterisk (*) at the head of each corresponding author.

2016~

2015

2014

2013

2012

~2011

RECENT RESEARCH ACTIVITIES II (Invited Lectures and Talks, Prizes, etc.)

List your important lectures/talks (e.g., invited lecture at an international conference) and prizes, if any, focusing primarily on achievements from 2012 onward in one page. Begin with your most recent one. Size of the box for each year can be adjusted according to the number of the items. Put a plus (+) sign at the front of the item that is related to this project.

Name of PI or Co-I(s)	
Name of International Conference, Date and Place, Title of Lecture(s)/Talk(s), and Name of Prizes, if any.	
2016~	
2015	
2014	
2013	
2012	
~2011	

Form S-1-1(2): Project Description File(items in the attached file)

Purpose of the Research

The applicant should indicate the general idea of the research and the specific purpose of the research clearly and specifically with the literature referred to as needed. The following points should be highlighted. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

1) What will be elucidated and to what extent will it be pursued during the research period

2) The scientific features, originality and expected results and significance of the research (project) in the area

3) Positioning of the research (project) in related domestic and overseas research

4) Differences from the present research project, if any research funding other than KAKENHI is continuously received for another continued research project in FY2017 (research funding by any ministry/office, local public organization, research funding corporation, private corporation or other bodies)

5) The specific purpose of the part the Co-Investigator (*kenkyū-buntansha*) is in charge of (in case the applicant entered items of work allotted in the section "Roles" of the Application Information (to be entered in the Website))

Necessity of the Research

State the necessity and positioning of research in the light of the following:

  1) State of progress of the research area as background of the research [the current state and trends in domestic and overseas research, contribution of the applicant (international rating of research achievements)]

  2) The innovative character of the research and how it was inspired

  3) Expected research achievements, scientific significance and impact

  4) Reasons why an application is made for Specially Promoted Research and urgency of the research

Research papers/articles of other researchers in which earlier research achievements of the applicant have been quoted

The applicant should describe concisely how his/her earlier research achievements are respectively being ranked and assessed in the main research papers/articles of other researchers in which the earlier research achievements of the applicant have been quoted (mentioning the name of the author, the title and other matters of each research paper/article), and how they are being used.

Research Plan and Methods

The applicant should provide details of the research plan and the methods for achieving the objectives of the research in a clear and specific manner. The plan should be divided into one for FY2017 and one for from FY2018 on. The existing academic literature should be referred to as needed and the plan and methods should indicate results through a discussion from multiple aspects, such as the action in the event that the research does not progress as originally planned.

Where the research plan is being implemented by a group, indicate the specific roles of the Principal Investigator and Co-Investigators (*kenkyu-buntansha*) (using figures, tables and other visual aids). In case the research plan is being implemented together with Co-Investigators (*kenkyu-buntansha*), include the necessity and rationality of the project members, and the connection to the purpose of the research from the scientific viewpoint.

Moreover, in order to clearly indicate the general view of the research team, state the roles of Co-Investigators (*renkei-kenkyusha*) and Research Collaborators [overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (the names and the number of members may be stated)] as needed.

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

State of Preparations for the Research Project and Methods to Disseminate the Research Results to Society and Citizens

The following points should be highlighted and stated in a clear, specific manner:

1) The current state of research environment, such as research facilities, equipment and materials that are used for the implementation of the research

2) The state of preparation for starting the research, such as coordination and contact with Co-Investigators (*kenkyu-buntansha*), if applicable (This should also be stated as appropriate in the event there are Co-Investigators (*renkei-kenkyusha*) and/or Research Collaborators.)

3) The methods and other ways of disseminating the research results of the current research to society and citizens

Research Funding Received and Achievements

State the achievements of funded research that is being effectively used for planning the current research from the grants that the Principal Investigator/Co-Investigator (*kenkyu-buntansha*) has received (including KAKENHI, research funding provided by his or her research institution, research funding paid by any ministry/office, local public organization, research promotion corporation, private corporation and any current research funding). Classify the grants into KAKENHI and other grants. The following should be taken into account:

1) For each research funding, state the research category (name of the system for research funding other than KAKENHI), period (fiscal year), title of the research project, whether the applicant is the Principal Investigator or Co-Investigator (*kenkyu-buntansha*), eligible costs (direct costs) of the research. Also give a clear statement of the research achievements and interim and after-the-fact assessment results (only to be made by the funding organizations). If there are research progress assessment results for KAKENHI in FY2015 or in FY2016, the applicant should describe them in the section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment" in Specially Promoted Research 2-7.

2) Distinguish between KAKENHI and other research funding by drawing a line.

Connection between the Research Plan and the Research Project which received a Research Progress Assessment

・In this section the Principal Investigator of the current application should describe it if he or she received a research progress assessment as a Principal Investigator of "Specially Promoted Research" or "Scientific Research (S)" in FY2015 or in FY2016.

・In this section the applicant should describe the connection between the research plan and the research project which received a research progress assessment (answering questions like what connection is there, how to develop the research which received a research progress assessment specifically, and other matters).

The applicant should fill in this section only if he or she wishes to reconstruct her/his research plan as an application for the fiscal year before the final fiscal year of a research plan. (cf. Application Procedures for Grants-in-Aid for Scientific Research) In other cases it is not necessary to fill it in.

Entries when Applying for a Grant for the Final Year of a Research Plan

In this section the applicant should describe the research achievements, such as new knowledge and other matters, attained in the original research plan of the continued research project he or she is conducting as a Principal Investigator and of which FY2017 is the final fiscal year. He or she should describe the reasons (state of the development of the research, justification of the budget, etc.) why he or she is applying for the current research and why he or she is reconstructing his/her original research, based on the development of the original research. (Moreover, research achievements of the continued research project that are described in this section should not be described in the section "Research Funding Received and Achievements" in Specially Promoted Research 2-6.)

Research Category	Project Number	Title of the Research Project	Research Period
			From FY to FY2017

Initial Research Plan and Research Achievements

Reasons for Applying

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for Grants-in-Aid for Scientific Research)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Research Facilities and Equipment Currently Used

Research Facilities See the procedures for preparing and entering the proposal for grant-in-aid for Specially Promoted Research.

Research Institution	Name of Facilities (Area)	Exclusive or Joint Use	Remarks

Equipment Currently Used (major existing equipment)

(See the procedures for preparing and entering the proposal for grant-in-aid for Specially Promoted Research.)

Research Institution	Name of Equipment	Specifications (type and performance)	Exclusive or Joint Use	Year of Installation	Remarks

Rationality and Justification of the Research Costs

In this section, the applicant should fill in the budget for each item of expense, based on the scale and the organization of the research and other matters mentioned in the section "Research Plan and Methods" in Specially Promoted Research 2-4, and should then describe the rationality, justification and grounds for the total amount. A deliberation on the optimum scale and budget of the research will be conducted in the screening panel. Therefore, the applicant should specifically enter important items and expensive items (for example, in the case of expensive equipment, reasons why its performance is necessary for the research and the reasons why the currently used equipment cannot be used, in the case of expensive consumables, the way how the money is actually used and the adequacy of the quantity and price, in the case of personnel expenditure and remuneration, the adequacy of the staff and costs, etc.). Moreover, if the total amount of the research budget applied for exceeds 500 million yen, the applicant should fill in the rationality and justification in the section "Reason why the total budget applied for exceeds 500 million yen" in Specially Promoted Research 2-13.

Moreover, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year, the applicant should provide a justification for the cost (for example by providing a breakdown).

Statement of Costs for Equipment

If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated. If the applicant needs equipment in the last fiscal year, he or she should also fill in the reason in the section for the last fiscal year. In the section "Fixed Price / Estimation", the applicant should fill in concisely the fixed price or the estimated price, in a way that clarifies the ground for the amount, such as for example by mentioning the percentage proportion of the fixed price to the estimation. Moreover, in order to facilitate deliberations on the rationality of the research funding, the applicant should fill in the estimated price, except in those cases where it is unavoidable not to do so.

(Unit: Thousands of yen)

Year and Month when Purchase is Planned	Preferred Order of Purchase	Item and Specifications	Qty	Unit Price	Amount (¥)	Fixed Price / Estimation	Researcher as the main user and institution where the items will be used
FY2017 Month: _____							
		Total					

Rationality, Justification and Other Matters

| FY2018 Month: _____ | | | | | | | |
| | | Total | | | | | |

Rationality, Justification and Other Matters

Year and Month when Purchase is Planned	Preferred Order of Purchase	Item and Specifications	Qty	Unit Price	Amount (¥)	Fixed Price / Estimation	Researcher as the main user and institution where the items will be used
FY2019 Month: _____							
		Total					

Rationality, Justification and Other Matters

FY2020 Month: _____							
		Total					

Rationality, Justification and Other Matters

FY2021 Month: _____							
		Total					

Rationality, Justification and Other Matters

Statement of Costs for Consumables and Other Items

See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Specially Promoted Research"

(Unit: Thousands of yen)

Fiscal Year	Consumables		Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
FY2017			(Domestic)					
			(Overseas)					
	Total							

Rationality, Justification and Other Matters

	Consumables		Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
FY2018			(Domestic)					
			(Overseas)					
	Total							

Rationality, Justification and Other Matters

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Fiscal Year	Consumables		Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
FY2019			(Domestic)					
			(Overseas)					
	Total							
Rationality, Justification and Other Matters								
FY2020			(Domestic)					
			(Overseas)					
	Total							
Rationality, Justification and Other Matters								
FY2021			(Domestic)					
			(Overseas)					
	Total							
Rationality, Justification and Other Matters								

Reason why the total budget applied for exceeds 500 million yen

In this section the applicant should explain specifically the reason why he or she cannot comply with the 500 million yen limit and the rationality and justification for exceeding 500 million yen, only if the total amount of the research budget applied for exceeds 500 million yen, which is the guideline for the upper limit of the application.

Name of the Researcher	

Application for Research Funding, the Current State of Funding and Effort

Since this section is the part that will be used for reference during the screening process when judging whether the research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator and the Co-Investigator(s) (*kenkyū-buntansha*). For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Specially Promoted Research."

1. In the section "Effort" the applicant should fill in a percentage of time allocation (%) necessary for the implementation of the research if the entire yearly working time is set at 100%.

2. In the beginning of the section "Research Funding Applied For", the applicant should enter the research project he or she is currently applying for.

3. In the case of a grant-in-aid for scientific research for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

4. The applicant should include research funding to be competitively provided by the research institution to which he or she belongs.

5. In the section "Connection between the Research Project Currently Applied for and the Original Research Project", the applicant should state the reasons for I, II and III specifically and clearly.

6. If the applicant is participating in project research conducted in line with a specific purpose (mission) of the research institution to which he or she belongs, he or she should also enter the research funding that is delivered.

   Moreover, if the research funding that is delivered to each individual is not clear, the applicant should make a statement to this effect in the section " I. Differences in the Content of the Research ".

(1) Research Funding Applied for

Funding System / Name of the Research Funding (Research Period / Name of the Funding Institution)	Title of Proposed Project (Name of the Principal Investigator)	Roles (PI / Co-I(s))	Budget for FY 2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Connection between the Research Project Currently Applied for and the Original Research Project I. Differences in the Content of the Research II. Reason(s) for the Application for the Current Research Project in Addition to the Original Research Project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)	
Research Project Currently Applied For "Specially Promoted Research" (2017-20__)			(　　　)			(total budget　　　in thousands of yen)
					I	(total budget　　　in thousands of yen)
			(　　　)		II	
					I	(total budget　　　in thousands of yen)
			(　　　)		II	

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Application for Research Funding, the Current State of Funding and Effort (Continued) (2) Research Funding to be Provided					Connection between the Research Project Currently Applied for and the Original Research Project I.　　Differences in the Content of the Research II.　Reason(s) for the Application for the Current Research Project in Addition to the Original Research Project III. Reason(s) for Withdrawal from the Research Currently Implemented ("Scientific Research on Innovative Areas", "Scientific Research", "Challenging Exploratory Research", "Grant-in-Aid for Young Scientists") and Conducting of Research Currently Applied For	
Funding System / Name of the Research Funding (Research Period / Name of the Funding Institution)	Title of Proposed Project (Name of the Principal Investigator)	Roles (PI / Co-I(s))	Budget for FY 2017(throughout the period) (Unit: Thousands of yen)	Effort (%)		
					I	
					II	
					III	
					I	
					II	
					III	
(3) Other Activities 　　The applicant should enter the effort for research activities and educational activities that are carried out as work other than the aforesaid research activities carried out by means of research funding. applied for and research funding to be provided.						
Total 　　Total of the effort in (1), (2) and (3) above				100 (%)		

Reason(s) why screening by an overseas researcher is not appropriate

As a general rule, the preparation of a written opinion of the screening panel by overseas researchers will be requested for all research projects of the category "Specially Promoted Research". However, if the applicant judges that it is not appropriate to request it (i.e. if he or she selected "Not appropriate" in the section "Appropriateness of screening by an overseas researcher" among the items of application information to be entered in the Website), he or she should enter the specific reasons for this. Moreover, a deliberation on the appropriateness of these reasons will be conducted in the Scientific Research Grant Committee.

Form S-1-2

FY2017 Procedures for Preparing and Entering a Proposal for
Grant-in-Aid for "Specially Promoted Research" (Continued)

A proposal for grant-in-aid needs to be submitted for research projects in which the applicant would like to make significant changes in the research plan (i.e. ① a change in the research purpose or a change in the title of the proposed project; ② a change in the annual plan of the research budget from FY2017 on; ③ an increase or a reduction of the research budget; ④ a shortening or other modification in the research period). The applicant should bear in mind that it is not necessary to submit a proposal for other continued research projects.

Therefore, the applicant should prepare this proposal carefully paying particular attention to the points below.

Remarks

※The Principal Investigator is responsible for preparing the proposal for grant-in-aid according to the rules in the Procedures for Application. For definitions of the Principal Investigator, Co-Investigator (*kenkyu-buntansha*), Co-Investigator (*renkei-kenkyusha*), and Research Collaborator, see procedures for application.

※The form consists of the "I. Application Information (To be Entered in the Website)" and the "II. Project Description File (form S-1-2)(Items of the Attached File)". No modifications can be made to the prescribed form.

※Proposals for grant-in-aid prepared in English will also be accepted. On the screen of "Entry of Application Information", if the "Japanese ▶ English" button at the upper left of the screen is clicked, then the explanations are translated into English.

I. Application data (entry via the website)

The confirmation of the content of the application and the preparation of the screening material is based on the "Application Information (to be entered in the Website)", which constitutes one part of the application documents. Consequently, it is possible that the information entered in the website will have an influence on the results of the screening, or it is possible that the research project will not be accepted for screening, because of the content entered. Therefore, the applicant should prepare the application information with care.

The "Application Information (to be entered in the Website)" are the items which the Principal Investigator directly enters after accessing the "JSPS Electronic Application System for Projects Funded by KAKENHI" (hereinafter called "electronic application system") using the ID and the password for the Cross-Ministerial Research and Development Management System (hereinafter called "e-Rad"), which has been provided by his or her research institution. This data also constitutes the first half of the proposal for grant-in-aid.

Moreover, a part of the application data (effort and other information) should be registered in e-Rad.

The Principal Investigator is responsible for preparing the application information and should do so according to the rules set forth in the Application Procedures. When preparing the application information, he or she should pay attention to the following points.

Since the name of the Principal Investigator and the research institution he or she belongs to are information that has been registered in advance from the Principal Investigator's research institution, this information will be automatically displayed. Therefore, if the applicant finds mistakes when verifying it, he or she should contact the Secretariat of his or her research institution, after storing the data to be entered temporarily. He or she should then follow the instructions provided by the Secretariat.

1. New or continued

The applicant should select "Continued".

2. If continued, Research Project Number

The applicant should be sure to enter the research project number of the research project for which the current continued application is being made, and to push the button "Downloading Information on Continued Projects".

3. Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan

The applicant should select "Not Applying".

4. Requested Areas for Screening (Divisions)

The applicant should select the same division from among "Humanities and Social Sciences", "Science and Engineering (Mathematics/Physics)", "Science and Engineering (Chemistry)", "Science and Engineering (Engineering)" or "Biological Sciences" as when his/her project was selected.

5. Name of the Principal Investigator

Since the section "name" is information that has been registered in advance from the research institution the Principal Investigator belongs to, this information will be automatically displayed. Therefore, the Principal Investigator in question should verify whether his/her name has been registered correctly.

Moreover, the applicant should not enter anything in the section below (English), since it is for items that need to be entered in case of a new application.

6. Position, Academic Unit and Research Institution of the Principal Investigator

Since the section "Research Institution", the section "Academic Unit", and the section "Position" are information that has been registered in advance from the research institution the Principal Investigator belongs to, this information will be automatically displayed. Therefore, the Principal Investigator should verify whether the information on his/her professional affiliation has been registered correctly at the time he or she is preparing the proposal for grant-in-aid.

Moreover, the applicant should not enter anything in the section below (English), since it is for items that need to be entered in case of a new application.

(1) If the name of the academic unit that is automatically displayed in the section "academic unit" is different from the name of the academic unit the applicant actually belongs to, he or she should enter the actual name of his or her academic unit. (If the institution the applicant belongs to is not of the level of an academic unit, it is not necessary to enter anything in the section "name".)

(2) If the name of the position that is automatically displayed in the section "position" is different from the actual name of the applicant's position, he or she should enter the actual name of his or her position.

7. Title of Proposed Project

When pushing the button "Downloading Information on Continued Projects", the title of proposed project is shown automatically.

As a general rule, changes in the title of the research project will not be accepted.

The applicant should keep in mind that voiced sound symbols (*dakuten*) and semivoiced sound symbols (*handakuten*) are not counted independently as one character, but that letters of the alphabet, numbers, symbols, etc. are all counted as one character and displayed as such. The applicant should avoid the use of chemical formulas and mathematical formulas as much as possible. (Display example $Ca^{2+} \rightarrow$ input as Ｃａ２＋(counts as 4 characters))

Moreover, the applicant should not enter anything in the section below (English), since it is for items that need to be entered in case of a new application.

8. Budget for Proposed Project

When pushing the button "Downloading Information on Continued Projects", the section "Budget" is shown automatically in the section "Annual Budget" which is the total of the section "Details".

When entering the information in the section "Budget for the Proposed Research Project", the amount should be entered in units of thousand yen and fractions of less than thousand yen should be rounded down. Since the total amounts per fiscal year and per item of expense to be used are automatically displayed on the confirmation screen after being entered, the applicant should verify them checking the amounts which he or she entered.

Moreover, if the amount exceeds the amount shown in the section "Budget" (the amount decided to be provided), the application becomes an application with an increase of the budget.

Moreover, the applicant should be sure to enter "0" in all the sections for (1) items of expenses that do not fall in the fiscal year the application is made for, and for (2) all the items of expenses that fall in a fiscal year when no application is made.

9. Researchers in related research areas (Not converted to PDF)

This item does not need to be entered, since it is an item that needs to be entered only in the case of a new application.

10. Related research areas (items)

This item does not need to be entered, since it is an item that needs to be entered only in the case of a new application.

11. Contact information of the Principal Investigator (Not converted to PDF)

In the section "Contact Information of the Principal Investigator" the information in case it is necessary to contact the Principal Investigator directly should be entered. (For example, the applicant is requested to enter not the location of the head office, but the location of the campus where the Principal Investigator actually works, as the address of the place of employment.)

12. Project Members List

The applicant should fill in the section "Project Members List" while keeping in mind the following points.

(1) Concerning the edit box for the project members (Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*)), when pressing the button "⁺Add" on the left side of the entry screen one time for every member of the project, the edit box in which the data need to be entered is displayed.

The applicant should delete edit boxes for data entry that are not being used (when he or she entered data but finally does not use them, or when he or she did not enter data at all), by pressing the button "Delete" on the left side.

The section "number of project members", displayed on the lowermost part of the screen, is displayed automatically, according to the number of edit boxes for data entry.

If the number in the section "number of project members" and the total number of persons for whom data have actually been entered do not correspond, then an "error" is displayed on the confirmation screen after the data has been entered. Therefore, the applicant should always delete edit boxes for data in which no data has been entered.

(2) The distinction Co-Investigator (*kenkyū-buntansha*) and Co-Investigator (*renkei-kenkyūsha*)

The applicant should select the appropriate item from among "kb"(Co-Investigator (*kenkyū-buntansha*)) and "rk"(Co-Investigator (*renkei-kenkyūsha*)) in the section "Distinction".

(3) In the case of collaborative research with a researcher from abroad, or a researcher from a company who is not qualified to apply for KAKENHI, these researchers become "Research Collaborator". Therefore, the applicant should not enter them in the project members of the research project in question, but should mention them in a section where he or she explains the overall research plan, for example, in the section "Research Plan and Methods" of the Proposal for Grant-in-Aid that he or she is preparing. This should be done in accordance with the instructions provided in the Procedures for Preparing and Entering a Proposal for Grant-in-Aid.

(4) Information on the researchers

The correct information for each researcher, such as (1) researcher number, (2) name (Pronunciation in katakana

and kanji), (3) age (as of April 1, 2017), (4) position, academic unit, research institution, (5) field of specialization, and (6) academic degree, should be entered or selected after verification by each researcher in person and by the secretariat of the research institution the researcher belongs to. (A list of numbers for "position, academic unit, research institution" can be generated from the entry screen.)

However, since among the information on the Principal Investigator the items (1), (2), (3) and (4) are information that has been registered in advance from the research institution to which the Principal Investigator belongs, this information will be automatically displayed. Therefore, the Principal Investigator in question should verify whether this information has been registered correctly.

(5) If the name in the "list of numbers for academic units" in the section "academic unit" is different from the name of the academic unit the applicant actually belongs to, he or she should enter the actual name of his or her academic unit. (If the institution the applicant belongs to is not of the level of an academic unit, it is not necessary to enter anything in the section "name".)

(6) If the name in the "list of numbers for position" in the section "position" is different from the actual name of the position, he or she should enter the actual name of his or her position.

(7) In the section "Roles", the applicant should fill in, how the Principal Investigator, the Co-Investigator(s) (*kenkyū-buntansha*) and Co-Investigator(s) (*renkei-kenkyūsha*) will cooperate to carry out the research, in a way that clarifies the respective connections between the researchers, and highlighting the allotment of research tasks in the research implementation plan FY2017.

(8) In the section "Budget for Proposed Project for FY2017" the share of the grant-in-aid to the Principal Investigator and the Co-Investigator(s) (*kenkyū-buntansha*) should be entered in units of thousand yen, based on the research plan. (Since Co-Investigator(s) (*renkei-kenkyūsha*) cannot receive a share of the funding, his/her/their share should not be entered.)

The total amount of all the shares of the grant-in-aid to each researcher should correspond to "Annual Budget" for "Budget for Proposed Project" for "FY2017" in the section "8. Budget for Proposed Project". (If it does not correspond, "error" is displayed on the confirmation screen, the data have been entered.)

(9) The applicant should enter the time allocation rate (an integral number between 1 and 100) of the Principal Investigator and the Co-Investigator (*kenkyū-buntansha*) in the section "Effort", assuming that the research project for which the current application is being made would be selected.

When determining the time allocation rate, the applicant should determine it keeping in mind the definition of "effort" by the Council for Science and Technology Policy. This definition is "the percentage of time allocation (%) necessary for the implementation of the research in question, if the entire yearly working time of the researcher is set at 100%". Moreover, the "entire working time" does not mean time spent only on research activities, but entire actual working time, including time spent on educational activities and other activities.

Moreover, when the research project for which the current application is being made is selected, the applicant will be requested to determine the effort anew at that time and it will be registered in e-Rad.

(10) In sections where (English) is shown, nothing needs to be entered, since it are items that need to be entered only in the case of a new application.

13. File of Details of Application

The applicant should upload the prepared "Project Description File (form S-1-2) (items in the attached file)" in the section "(2) Please select the File of Details of Application　(Word or PDF)". Moreover, he or she should ensure that the file name starts with "jp". (Capital letters are possible.)

Application information (Items to be filled in on the form on the website) (screenshot)

Specially Promoted Research ①

The screenshot shows the JSPS 科研費電子申請システム application form with the following labeled elements:

- **Enter Application Information** — English ▶ Japanese
- 29 minutes have been passed since the screen had been displayed.
- Last Saved Date: XXXXXXXX XXXX

\<Note\>
- The item with "*" is mandatory both new and continued.
- If the system remains idle for a certain period of time, a session time out may clear any information entered. Click Temporarily Save periodically to store changes. In such instance, please read the frequently asked questions on the electronic application system information page.
- **The system may experience problems when multiple windows or tabs are opened. Please avoid an access from multiple windows or tabs.**

Buttons: ● Save Temporarily and Go to Next | Temporarily Save | Go Back Without Save

Proposal for Grant-in-Aid for "Specially Promoted Research" (FY2017)

New or Continued	* 継続(Continued)
If continued, Research Project Number	00000000 (Continued) — Obtain information about continued project ● (Click when the New and Continue is)
Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan	* 応募しない(Not Applying) — (Enter the Grant Number for the Research Plan with FY 201 research period)
Requested Areas for Screening (Divisions)	*

Callout: When pushing the button "Obtain information about continued projects", the title of the proposed project (Japanese) and the amount decided upon are shown automatically.

Name of the Principal Investigator	(Pronunciation in katakana) ダイヒョウ イチロウ (Kanji etc) 代表 一郎 (English) (Family Name) (First Name)
Research Institution	(Number) 99999 (Japanese) AAA大学 (English) AAA University
Academic Unit	(Number) 999 (Japanese) ○○部 (English) (Enter appropriate name of the department if the department name displayed is incorrect)
Position	(Number) 20 (Japanese) 教授 (English) (Enter if the Position name is different, or "その他" is selected)
Title of Proposed Project	*Japanese 継続課題の研究課題名 (Up to 40 characters) English (Up to 200 single-byte characters)

29 minutes have been passed since the screen had been displayed. — Temporarily Save

【Budget for Proposed Project (Round down below one thousand yen)】 (0 must be entered when not applicable)

Fiscal Year	Budget (Thousand Yen)	Annual Budget	Equipment	Consumables	Travel Expenses	Personnel Expenditure and Remuneration	Miscellaneous
FY 2017	22000 / 183333	0	0	0	0	0	0
FY 2018	23000 / 191667	0	0	0	0	0	0
FY 2019	24000 / 200000	0	0	0	0	0	0
FY 2020	0 / 0	0	0	0	0	0	0
FY 2021	0 / 0	0	0	0	0	0	0
Total Amount	69000 / 575000	0	0	0	0	0	0

Unit (Thousand Yen above, U.S. $ below) Automatically converts $1 to 100 Yen — Details

Callout: The section "Budget" is inserted.

29 minutes have been passed since the screen had been displayed. — Temporarily Save

Application information (Items to be filled in on the form on the website) (screenshot)

Specially Promoted Research ②

【Researchers in related research areas who belong to a domestic research institution and who are considered as suitable as persons in charge of the writing of the opinions of the screening panel】 Note: Not converted to PDF

Name		Research Institution	Academic Unit	Position	Field of Specialization	Phone Number	Email
Family name	First name						

【Researchers who belong to a domestic research institution and whom the applicant wishes to avoid as persons in charge of the writing of the opinions of the screening panel (optional)】 Note: Not converted to PDF

Name		Research Institution	Academic Unit	Position	Field of Specialization
Family name	First name				

【Appropriateness of screening by an overseas researcher】
As a general rule, select Appropriate because the screening will be carried out by an overseas researcher.
When the screening by an overseas researcher is not appropriate, Not appropriate must be selected and reasons must be entered in the research plan.

Appropriateness of screening by an overseas researcher	▼

【Researchers in related research areas who belong to an overseas research institution and who are considered as suitable as persons in charge of the writing of the opinions of the screening panel】 Note: Not converted to PDF

Name		Research Institution	Academic Unit	Position	Field of Specialization	Phone Number	Email
Family name	First name						

【Researchers who belong to an overseas research institution and whom the applicant wishes to avoid as persons in charge of the writing of the opinions of the screening panel (optional)】 Note: Not converted to PDF

Name		Research Institution	Academic Unit	Position	Field of Specialization
Family name	First name				

29 minutes have been passed since the screen had been displayed. [Temporarily Save]

【Related Research Areas (items)】
Enter the most related research area in (1) and the second most related research area in (2).
(For New category, the selection of (1) is mandatory)

	(1)	(2)
Item Number [List]		
Area		
Discipline		
Research Field		

Contact information of the Principal Investigator Note: Not converted to PDF	Postcode:*		
	Address:*		
	Phone Number:*	FAX Number:*	
	Email:*		

29 minutes have been passed since the screen had been displayed. [Temporarily Save]

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Application information (Items to be filled in on the form on the website) (screenshot)

Specially Promoted Research ③

【Project Members List (Principal Investigator and Co-Investigators)】

Please click Add to register Co-Investigators (kenkyu-buntansha and renkei-kenkyusha) .
Note: Click Add on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required) .
Note: kb: Co-Investigator(kenkyu-buntansha) , rk: Co-Investigator(renkei-kenkyusha)

Distinction	Name (Age)	1.Research Institution [List] 2.Academic Unit [List] 3.Position	1.Field of Specialization 2.Academic Degree 3.Roles	Budget Requested for FY 2017 (Thousand Yen) [U.S.$]	Effort (%)
研究代表者 (Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダイヒョウ イチロウ (Kanji etc) 代表 一郎 (English) Daihyou Ichirou (Age) 60 Years Old	1.(Number) 99999 AAA大学 AAA University 2.(Number) 999 AA学部 AA Department 3.(Number) 20 教授 Professor	1.* (English) 2.* (English) 3.* (English)	* ___ Thousand Yen	* ___
Delete * ▾	*(Researcher Number) ___ (Pronunciation in katakana) (Family Name) * ___ (First Name) ___ (Kanji etc) (Family Name) * ___ (First Name) ___ (English) (Family Name) ___ (First Name) ___ *(Age) ___ Years Old	1.(Number) * ___ (English) ___ 2.(Number) * ___ (Japanese) (Enter the name of academic unit if different from the name in the list of academic unit numbers.) (English) ___ 3. * ___ ▾ (Enter the position name of if different from the position name in the list of position numbers) (English) ___	1.* ___ (English) ___ 2.* ___ (English) ___ 3.* ___ (English) ___	___ Thousand Yen	___
Delete * ▾	*(Researcher Number) ___ (Pronunciation in katakana) (Family Name) * ___ (First Name) ___ (Kanji etc) (Family Name) * ___ (First Name) ___ (English) (Family Name) ___ (First Name) ___ *(Age) ___ Years Old	1.(Number) * ___ (English) ___ 2.(Number) * ___ (Japanese) (Enter the name of academic unit if different from the name in the list of academic unit numbers.) (English) ___ 3. * ___ ▾ (Enter the position name of if different from the position name in the list of position numbers) (English) ___	1.* ___ (English) ___ 2.* ___ (English) ___ 3.* ___ (English) ___	___ Thousand Yen	___

[Add]

Number of Project Members 3

29 minutes have been passed since the screen had been displayed.   **Temporarily Save**

File of Details of Application

(1) Please select the File of Details of Application (Word or PDF).
Upload the Form S-1-1(1).
___ 参照

(2) Please select the File of Details of Application (Word or PDF).
Upload the Form S-1-1(2).
Note: When the New or Continued is set to Continue, upload the Form S-1-2.
___ 参照

> In the case of a continued application, the Project Description File (Form S-1-2) should be uploaded.

- Reselecting the updated File of Details of Application will overwrite the existing file.
- When you do not need to update the file, the File of Details of Application field can be left blank.
- A PDF file can be used instead of a Word file for the File of Details of Application. (A PDF file must be created using the format of the File of Details of Application in accordance with the Word file or the format provided by the JSPS or the MEXT)
- Do not change the margin setting of the File of Details of Application. Doing so may cause errors.

→ Save Temporarily and Go to Next   **Temporarily Save**   **Go Back Without Save**

✕ Logout

II. Project Description File (Form S-1-2) (Items in the Attached File)

The items below are the content of the "Project Description File (Form S-1-2) (Items of the Attached File)", and form the second half of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the form for "Project Description File (Form S-1-2) (Items of the Attached File)" from the homepage for grants-in-aid for scientific research of JSPS and fill it in. Then he or she should access the "Electronic Application System" and attach it. ((Files above 3 MB cannot be attached.)

※ When attaching the filled in file to the electronic application system, the applicant should upload it in the section "(2) Please select the prepared the Project Description File (Word or PDF)" of "Selection of the Project Description File". The applicant should keep in mind that uploading it in the section "(1) Please select the prepared the Project Description File (Word or PDF)" is considered as an error, and he or she should make sure that the file name starts with "jp" (capital letters are possible).

1. Overall Research Plan

The applicant should fill in number (1) below using character size 11 or larger, according to the instructions mentioned below and in each of the sections to be filled in.

(1) The applicant should fill in respectively the sections "Purpose of the Research", "Progress of the Research until FY2016", "Self-Evaluation of the Research until FY2016", "Research Plan and Methods after FY2017", "Changes from the Initial Plan", "Protection of Human Rights and Compliance with Laws and Regulations" and "Publication of Research Achievements", according to the instructions mentioned in the proposal for grant-in-aid.

(2) In the section "Statement of Costs for Equipment" the applicant should enter the costs itemizing them per fiscal year and provide a total sum, according to the instructions mentioned in the proposal for grant-in-aid. It is allowed to adjust the sections to be filled in (one box per fiscal year) to fit to the amount of costs stated. However, the total length should be limited to two pages or less.

(3) In the section "Statement of Costs for Consumables and Other Items" the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

1. Itemize the cost of consumables, such as chemicals, test animals, and glass implements.

2. Itemize the travel expenses for the Principal Investigator, Co-Investigator(s) (*kenkyū-buntansha*), Co-Investigator(s) (*renkei-kenkyūsha*) and Research Collaborator(s) (such as people engaged in collecting materials, conducting the various surveys, attending meetings and presenting the research achievements). Itemize the transportation costs, accommodation costs and daily allowances for domestic and overseas travel.

3. Itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (such as people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payments to temporary

staff agencies.

(Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

4. Itemize costs other than the above-mentioned for conducting the research [such as the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings [rental of the venue and meals (excluding alcohol)], equipment rental (e.g., computers, automobiles, experimental equipment), equipment repairs, transportation other than travel, presentation of research achievements (fees for contributing to the publications of academic societies, website creation, preparation of pamphlets to publicize the research achievements, and costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost].

Moreover, it is allowed to adjust the sections to be filled in (one box per fiscal year) to fit to the amount of costs stated. However, the total length should be limited to two pages or less.

PROPOSAL FOR GRANT-IN-AID FOR SPECIALLY PROMOTED RESEARCH (FY2017)

XX XX XX

Principal Investigator (PI)	( )	
	( )	
	(in Roman Letters)	
Institution (University, College, etc.)	( ) OOOOO	
Academic Unit (School, Faculty, etc.)	( ) OOO	
Position	( ) OO	

Title of Proposed Project	

	FY	Annual Budget [U.S. $]	Details				
			Equipment	Consumables	Travel Expenses	Personnel (Technical Assistant, Labor Cost, etc.)	Miscellaneous
Budget for Proposed Project ⌈ Converted to U.S.$ at 1 Dollar = 100 Yen ⌋	**29** 2017	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	30 2018	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	31 2019	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	32 2020	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	33 2021	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Total Amount	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

FOR JSPS USE ONLY

( ) ( )			( ) ( )	
	29			
	OOOOO-OOOO			

PROJECT MEMBERS

	Name (Age)	Institution (University, College, etc.) Academic Unit (School, Faculty, etc.) Position	Field of Specialization Academic Degree Roles	29 ( ) Budget Requested for FY2017 [U.S. $]	Effort (Time Spent on Project) (%)
PI	OOOOOOOO (OO)	OOOOO OOOOO OOO OOO OO OO		[ ]	
Co-I	OOOOOOOO (OO)	OOOOO OOOOO OOO OOO OO OO		[ ]	
Co-I	OOOOOOOO (OO)	OOOOO OOOOO OOO OOO OO OO		[ ]	
				[ ]	
OO Total Number of Members: OO		61	Total Amount	[ ]	

Form S-1-2 Project Description File (items in the attached file)

Purpose of the Research

The applicant should indicate the general idea of the research and the specific purpose of the research clearly and specifically with the literature referred to as needed. The following points should be highlighted. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

  1) What will be elucidated and to what extent will it be pursued during the research period

  2) Scientific characteristics, originality and expected results and significance of the research in the area

  3) Positioning of the research (project) in the related domestic and overseas research

  4) Differences from the present research project if any research funding other than KAKENHI is continuously received for another continued research project in FY2017 (research funding by any ministry/office, local public organization, research funding corporation, private corporation and other funding)

Purpose of the Research

Progress of Research until FY2016　Indicate the state of progress of the research and the new findings.

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Progress of Research until FY2016　Indicate the state of progress of the research and the new findings.

Self-Evaluation of the Research until FY2016

In this section the applicant should describe the degree of attainment of the originally planned purposes of the research, the research plan and methods, with a focus on the following points.

  1. Problematic points that arose during the implementation of the research.

  2. For research projects that received a research progress assessment (a field survey or a hearing) in FY2016, a statement of the assessment results (or comments) of the research progress assessment and the way how to deal with these, and other matters.

Self-Evaluation of the Research until FY2016

Research Plan and Methods after FY2017

Describe the research plan and methods after FY2017 in a clear and specific manner. The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed and the plan and methods should indicate results through a discussion from multiple aspects, such as the action in the event that the research does not progress as originally planned. The following points should be highlighted.

Where the research plan is being implemented by more than one project member, indicate the specific roles of the Principal Investigator and the Co-Investigator(s) (*kenkyū-buntansha*) (using figures, tables and other visual aids). In case the research plan is being implemented together with Co-Investigators (*kenkyu-buntansha*), include the necessity and rationality and the relationship to the purpose of the research from the scientific viewpoint.

Moreover, in order to clarify the general view of the project members, state the roles of the Co-Investigator(s) (*renkei-kenkyūsha*) and Research Collaborators [e.g., overseas co-researchers, company-employed researchers not eligible for application for KAKENHI other persons offering research support, such as technical experts and intellectual property specialists, and graduate students (names and number of members may be stated)] as needed.

Furthermore, the applicant should describe the methods and other ways to disseminate the research results of the current research project to society and citizens.

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

Changes from the Initial Plan

In this section the applicant should describe within 2 pages the changes in the content of the research that is mentioned in the previous proposal for grant-in-aid (a change in the research purpose or a change in the title of the proposed project, a change in the annual plan of the budget that is planned to be provided from FY2017 on, an increase or a reduction of the budget or a shortening of the research period, and other changes) on the level of the research plan and methods, equipment and the main budget for the proposed project, etc., and the reasons for these changes.

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for Grants-in-Aid for Scientific Research)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Publication of Research Achievements

As for his/her research achievements, the applicant should describe the research papers/articles he or she published in academic journals (author, title of the paper/article, name of the journal, refereed or not, volume number, the first and last page numbers, year of publication), and the state of important lectures/talks and other matters at conferences and suchlike, and the state of dissemination to society and citizens. Moreover, in order to clarify which author participates in the current research project, he or she should mark the Principal Investigator with a double underline, and the Co-Investigator(s) (*kenkyū-buntansha*) and the Co-Investigator(s) (*renkei-kenkyūsha*) with a single underline. He or she should put an asterisk (*) at the head of each corresponding author.

Rationality and Justification of the Research Costs

In this section, the applicant should fill in the budget for each item of expense, based on the scale and the organization of the research and other matters mentioned in the section "Research Plan and Methods after FY2017" in Continued-4, and should then describe the rationality, justification and grounds for the total amount. A deliberation on the optimum scale and budget of the research will be conducted in the screening panel. Therefore, the applicant should specifically enter important items and expensive items (for example, in the case of expensive equipment, reasons why its performance is necessary for the research and the reasons why the currently used equipment cannot be used, in the case of expensive consumables, the way how the money is actually used and the adequacy of the quantity and price, in the case of personnel expenditure and remuneration, the adequacy of the staff and costs, etc.).

Moreover, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year, the applicant should provide a justification for the cost (for example by providing a breakdown).

Statement of Costs for Equipment

If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated. If the applicant needs equipment in the last fiscal year, he or she should also fill in the reason in the section for the last fiscal year. In the section "Fixed Price / Estimation", the applicant should fill in concisely the fixed price or the estimated price, in a way that clarifies the ground for the amount, such as for example by mentioning the percentage proportion of the fixed price to the estimation. Moreover, in order to facilitate deliberations on the rationality of the research funding, the applicant should fill in the estimated price, except in those cases where it is unavoidable not to do so.

(Unit: Thousands of yen)

Year and Month when Purchase is Planned	Preferred Order of Purchase	Item and Specifications	Qty	Unit Price	Amount (¥)	Fixed Price / Estimation	Researcher as the main user and institution where the items will be used
FY2017 Month: ＿＿＿							
		Total					

Rationality, Justification and Other Matters

FY2018 Month: ＿＿＿							
		Total					

Rationality, Justification and Other Matters

Year and Month when Purchase is Planned	Preferred Order of Purchase	Item and Specifications	Qty	Unit Price	Amount (¥)	Fixed Price / Estimation	Researcher as the main user and institution where the items will be used
FY2019 Month: _____							
		Total					
Rationality, Justification and Other Matters							
FY2020 Month: _____							
		Total					
Rationality, Justification and Other Matters							

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Statement of Costs for Consumables and Other Items

See the procedures for preparing and entering the proposal for grant-in-aid for Specially Promoted Research.

(Unit: Thousands of yen)

Fiscal Year	Consumables		Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
FY2017			(Domestic)					
			(Overseas)					
	Total							

Rationality, Justification and Other Matters

FY2018			(Domestic)					
			(Overseas)					
	Total							

Rationality, Justification and Other Matters

Fiscal Year	Consumables		Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
FY2019			(Domestic)					
			(Overseas)					
	Total							
Rationality, Justification and Other Matters								
FY2020			(Domestic)					
			(Overseas)					
	Total							
Rationality, Justification and Other Matters								

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FY2017 Procedures for Preparing and Entering Application Information (to be entered in the Website) (Scientific Research (S/A/B/C), Challenging Research (Pioneering/Exploratory), and Grant-in-Aid for Young Scientists (A/B), Continued Research Projects)

The confirmation of the content of the application and the preparation of the screening material is based on the "Application Information (to be entered in the Website)", which constitutes one part of the application documents. Consequently, it is possible that the information entered in the website will have an influence on the results of the screening, or it is possible that the research project will not be accepted for screening, because of the content entered. Therefore, the applicant should prepare the application information with care.

The Application Information (to be entered in the Website) are the items which the Principal Investigator directly enters after accessing the "JSPS Electronic Application System for Projects Funded by KAKENHI" (hereinafter called "electronic application system") using the ID and password for the "Cross-Ministerial Research and Development Management System" (hereinafter called "e-Rad"), which has been provided by his or her research institution. This data also constitutes the first half of the proposal for grant-in-aid.

Moreover, a part of the application data (effort and other information) should be registered in e-Rad.

The Principal Investigator is responsible for preparing the application information and should do so according to the rules set forth in the Application Procedures. When preparing the application information, he or she should pay attention to the following points.

Since the name of the Principal Investigator and the research institution he or she belongs to are information that has been registered in advance from the Principal Investigator's research institution, this information will be automatically displayed. Therefore, if the applicant finds mistakes when verifying it, he or she should contact the Secretariat of his or her research institution, after storing the data to be entered temporarily. He or she should then follow the instructions provided by the Secretariat.

Please select "Entry of Application Information" of the research category and screening division for which an application is made from the "List of Research Categories for which Applications are accepted". On the screen of "Entry of Application Information", if the "Japanese ▶ English" button at the upper left of the screen is clicked, then the explanations are translated into English.

<p style="text-align:center">Remarks</p>

1. New or continued

("Continued" cannot be selected for "Generative Research Field" for Scientific Research (B) and Scientific Research (C). Furthermore, "new" cannot be selected for Challenging Exploratory Research.)

The applicant should select the appropriate item from among "new" or "continued".

Moreover, if he or she selects "continued", this is limited to research projects that fall under the category "research projects in which significant changes are made".

If the applicant makes an application for a "research projects in which significant changes are made", he or she should select "continued", and be sure to enter the research project number of the continued research project in question. Please fill in the following items according to the new research project.

2. Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan

(These are the items that need to be entered when applying for Scientific Research (except Scientific Research (B/C) screening division "Generative Research Fields".))

The applicant should select the appropriate item from among "Not Making Application" and "Making Application".

Moreover, if the applicant selects "Making Application", it is limited to research projects that fall under "application for the fiscal year before the final fiscal year of a research plan". If he or she makes an application under the category "application for the fiscal year before the final fiscal year of a research plan", he or she should select "Making Application" and enter the project number of the continued research project of which FY2017 is the final fiscal year. Moreover, he or she should be sure to fill in the necessary information in the section "items to be filled in when making an application for the fiscal year before the final fiscal year of a research plan" of the proposal for grant-in-aid he or she is preparing.

3. Requested Areas for Screening

(These are items which need to be entered when applying for "Scientific Research (A/B)" screening division "Overseas Academic Research" and Grant-in-Aid for Young Scientists (B).)

The applicant should select one of the following areas he or she wishes to have screened when applying for Scientific Research (A/B) screening division "Overseas Academic Research".

(1) Humanities A, (2) Humanities B, (3) Humanities C, (4) Humanities D, (5) Social Sciences A,

(6) Social Sciences B, (7) Social Sciences C, (8) Social Sciences D, (9) Mathematical and physical sciences, (10) Chemistry, Environmental science A, (11) Engineering A, (12) Engineering B, (13) Biology, (14) Agricultural sciences A, (15) Agricultural sciences B, (16) Medicine, dentistry, and pharmacy A, (17) Medicine, dentistry, and pharmacy B, (18) Environmental science B

4. Area

(These are the items that need to be entered when applying for Scientific Research (B/C) screening division "Generative Research Fields".)

The applicant should be sure to select one of the areas he or she wishes to have screened as follows, referring to the "Generative Research Fields" that have been established in the FY2016 Application Procedures (p.94-99).

"Conflict Studies", "Transition State Control", "Constructive Systems Biology", "Global Studies", "Intensification of Artifact Systems", "Complex Systems Disease Theory", "Orality and Society", "Agricultural Resources for the Next Generation", and "The Information Society and Trust"

5. Area Number

(Item to be filled out when applying for "Challenging Research (Pioneering/Exploratory)")

The applicant should be sure to select one of the area numbers he or she wishes to have screened as follows, referring to Application Procedures p.100-101 .

6. Item Number

(1) When applying for "Scientific Research (S)", "Scientific Research (A/B/C)" screening division "General", or "Grant-in-Aid for Young Scientists(A/B)".

The applicant should enter the item number (research field number) of the research field he or she wishes to have screened from the "List of Categories, Areas, Disciplines and Research Fields for FY2017 Grants-in-Aid for Scientific Research" (cf. Application Procedures, p.53-55 (hereinafter called "List of Research Fields").

Furthermore, for Grant-in-Aid for Young Scientists (B), it is possible for applicants to select and enter two research fields, if they desire screening in multiple areas for a new and merged research plan.

Moreover, if the applicant wishes a screening in disciplines and research field with a time limit for Scientific Research (C), he or she should enter the item number (research field number) of the research field he or she wishes to have screened from the "List of Disciplines and Research Fields with a Time Limit" (cf. Application Procedures, p.56).

(2) When applying for "Scientific Research (A/B)" screening division "Overseas Academic Research".

The applicant should enter the item number (research field number) of the research field which the applicant thinks is the most closely related to the content of his/her research project from the "List of Research Fields".

7. Screening Sub-panel Number

(These are items which need to be entered when applying for "Scientific Research (S)", "Scientific Research (A/B/C)" screening division "General", and "Grant-in-Aid for Young Scientists (A/B)".)

The applicant should be sure to enter the screening sub-panel number, if his/her research project falls under one of the categories mentioned below.

(1) If the applicant applies for "Scientific Research (S/A/B/C)" screening division "General", or "Grant-in-Aid for Young Scientists (A/B)", and if the applicant selected a research field that has the indication "A" , "B" or "C" from the "List of Research Fields", he or she should select the screening sub-panel number for which he or she wishes screening from the "List of Categories, Areas, Disciplines and Research Fields, Appendix Table of Keywords" (cf.Application Procedures, p.57-93) (hereinafter called "Table of Keywords"), and enter the following number.

"Screening Sub-Panel A" → A, "Screening Sub-Panel B" → B, "Screening Sub-Panel C" → C

However, if the applicant applies for "Scientific Research (C)" screening division "General", and if he or she selected a research field in the frame below from the "List of Research Fields", he or she should select a screening sub-panel number for which he or she wishes screening from the "Table of Keywords", and enter the following number.

"Screening Sub-Panel 1" of "Screening Sub-Panel A" → A1,
"Screening Sub-Panel 2" of "Screening Sub-Panel A" → A2

"Screening Sub-Panel A" from among "Rehabilitation Science / Welfare Engineering (2304)" , "Screening Sub-Panel A" from among "Sports Science (2402)" , "Screening Sub-Panel A" from among "Applied Health Science (2403)"

(2) If the applicant applies for "Scientific Research (C)" screening division "General", and if he or she selected a research field that has the indication "※" from the "List of Research Fields", he or she should select a screening sub-panel number for which he or she wishes screening from the "Table of Keywords", and enter the following number.

"Screening Sub-Panel 1" → 1, "Screening Sub-Panel 2" → 2, "Screening Sub-Panel 3" → 3, "Screening Sub-Panel 4" → 4, "Screening Sub-Panel 5" → 5

8. Keywords

(In the case of applying for "Scientific Research (S)", "Scientific Research (A/B/C)" screening division "General", and "Grant-in-Aid for Young Scientists (A/B)")

(1) Keywords from Keyword List

The applicant should be sure to enter the symbol of the keyword which he or she thinks is the most closely related to the content of his/her research project within the research field he or she selected from the "Table of Keywords".

Moreover, it is not necessary to enter a symbol of the keyword, if the applicant applies for "Scientific Research (C)" screening division "General" and selects "disciplines and research fields with a time limit".

If the applicant applies for Grant-in-Aid for Young Scientists (B) and selects two research fields, he or she should be sure to enter the symbol of the keyword for each research field one by one (i.e. two in total).

(2) Other Keywords

If, as need arises, there is a more appropriate keyword other than the ones in the "Table of Keywords", the applicant should enter this optional keyword, placing the limit at one keyword.

(In the case of applying for "Scientific Research (B/C)" screening division "Generative Research Fields")

The applicant should be sure to enter the symbol of at least one keyword which he or she thinks is the most closely related to the content of his/her research project. (If the need arises, the applicant can select one keyword from the "Table of Keywords".

9. Name of the Principal Investigator

Since the section "name" is information that has been registered in advance from the research institution the Principal Investigator belongs to, this information will be automatically displayed. Therefore, the Principal Investigator in question should verify whether his/her name has been registered correctly.

10. Age

(These are items which need to be entered when applying for "Grant-in-Aid for Young Scientists (A/B)".)

Since this is information that has been registered in advance from the research institution the Principal Investigator belongs to, this information will be automatically displayed. Therefore, the Principal Investigator should verify whether his/her age as of April 1, 2017, has been registered correctly.

11. Position, Academic Unit and Research Institution of the Principal Investigator

Since the section "Research Institution", the section "Academic Unit", and the section "Position" are information that has been registered in advance from the research institution the Principal Investigator belongs to, this information will be automatically displayed. Therefore, the Principal Investigator should verify whether the information on his/her professional affiliation has been registered correctly at the time he or she is preparing the proposal for grant-in-aid.

(1) If the name of the academic unit that is automatically displayed in the section "academic unit" is different from the name of the academic unit the applicant actually belongs to, he or she should enter the actual name of his or her academic unit. (If the institution the applicant belongs to is not of the level of an academic unit, it is not necessary to enter anything in the section "name".)

(2) If the name of the position that is automatically displayed in the section "position" is different from the actual name of the applicant's position, he or she should enter the actual name of his or her position.

12. Academic Degree, Field of Specialization, Effort (Time Spent on Project)

(These are items which need to be entered when applying for "Grant-in-Aid for Young Scientists (A/B)".)

The applicant should be sure to enter each of these items.

The applicant should enter the time allocation rate (an integral number between 1 and 100) in the section "Effort", assuming that the research project for which the current application is being made would be selected.

When determining the time allocation rate, the applicant should determine it keeping in mind the definition of "effort" by the Council for Science and Technology Policy. This definition is "the percentage of time allocation (%) necessary for the implementation of the research in question, if the entire yearly working time of the researcher is set at 100%". Moreover, the "entire working time" does not mean time spent only on research activities, but entire actual working time, including time spent on educational activities and other activities.

Moreover, when the research project for which the current application is being made is selected, the applicant will be requested to determine the effort anew at that time and it will be registered in e-Rad.

13. Title of Proposed Project

In the section "Title of Proposed Project", the applicant should enter a title for the proposed research project, in principle, within 40 characters in a manner that the title specifically expresses the content of the research until the time of the completion of the research period. (The applicant should avoid general or abstract expressions.)

Moreover, it is possible to enter half-width characters (single-byte characters). However, please note that, if em-width characters (double-byte characters) and half-width characters are mixed together, each half-width character will also be counted as one character. Furthermore, if the applicant wishes to enter the title of the proposed project in English, it is possible to enter it within 200 half-width characters.

As a general rule, changes in the title of the research project will not be accepted.

The applicant should keep in mind that voiced sound symbols (*dakuten*) and semivoiced sound symbols (*handakuten*) are not counted independently as one character, but that letters of the alphabet, numbers, symbols, etc. are all counted as one character and displayed as such. The applicant should avoid the use of chemical formulas and mathematical formulas as much as possible. (Display example $Ca^{2+} \rightarrow$ input as Ｃａ２＋ (counts as 4 characters)

14. Research Abstract

(These are the items that need to be entered when applying for Scientific Research (B/C) screening division "Generative Research Fields" and "Challenging Research（Pioneering/ Exploratory）".)

The applicant should enter the purpose of the research project for which he or she applies, and the methods and other matters to achieve purpose of the research in a clear manner. It is possible to enter these in Japanese or in English.
Moreover, it is possible to enter up to 500 characters when only em-width characters (double-byte characters) are used, and up to 1,000 characters when only half-width characters (single-byte characters) are used.

15. Budget for Proposed Project

The applicant should enter the budget for the proposed project for which an application is being made in the section "Budget for Proposed Project", based on the research plan and dividing the costs per fiscal year and per details (for example "equipment", "consumables", "travel expenses", etc.). In this case, the applicant should pay particular attention to the "Eligible costs (direct costs)" and "Ineligible costs" which are stated below. Moreover, please note that research projects of which the amount of the annual research budget is less than a 100,000 yen in one of

the fiscal years of the research period are not eligible for grants-in-aid for scientific research.

Since the total amounts per fiscal year and per item of expense are automatically displayed on the confirmation screen after being entered, the applicant should verify them checking the amounts which he or she entered.

When entering the information, the amount should be entered in units of thousand yen and fractions of less than thousand yen should be rounded down.

Moreover, the applicant should be sure to enter "0" in all the sections for (1) items of expenses that do not fall in the fiscal year the application is made for, and for (2) all the items of expenses that fall in a fiscal year when no application is made.

"Eligible costs (direct costs)"
The budget necessary for the implementation of the research plan (including the budget necessary for summarizing the research achievements) is eligible.

* In case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90% or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year, the applicant should write down in the proposal the reasons why these costs in question are necessary for the implantation of the research.

"Ineligible costs"
The following costs are not included in the funding:

A Costs for buildings and other facilities (excluding the costs for minor installations which became necessary because of the introduction of goods that have been purchased by means of direct costs)

B Costs for handling accidents or disasters that occurred during the implementation of funded project

C Personnel expenditure and remuneration for the Principal Investigator or Co-Investigator(s) (*kenkyū-buntansha*)

D Other costs which fall under indirect costs*

* Indirect costs are costs necessary for the management of the research institution and other things that arise during the implementation of the research project (corresponding with 30% of the amount of the direct costs). The costs are used by the research institution.
This time, it is scheduled to set up indirect costs for the research categories for which a call for proposals is organized. However, the Principal Investigator does not need to state those indirect costs in the application documents.

16. Wish for Disclosure of Screening Results

The applicant should select the appropriate item from among "Wish for Disclosure of the Screening Results: Yes" or "Wish for Disclosure of the Screening Results: No", for the results of

the first stage of the screening (document-based screening), in case his/her proposed project is not selected.

17. Contact Information of the Principal Investigator

(These are items which need to be entered when applying for "Scientific Research (S)" or "Scientific Research (B/C)" screening division "Generative Research Fields".)

In the section "Contact Information of the Principal Investigator" the information in case it is necessary to contact the Principal Investigator directly should be entered. (For example, the applicant is requested to enter not the location of the head office, but the location of the campus where the Principal Investigator actually works, as the address of the place of employment.)

18. Project Members List

(These are items which need to be entered when applying for "Scientific Research（S/A/B/C）" and "Challenging Research（Pioneering /Exploratory）")

Concerning the planned research of "Scientific Research（S/A/B/C）" and "Challenging Research（Pioneering /Exploratory）", as the occasion demands, it is possible to involve the "Co-Investigator (*kenkyū-buntansha*)", the "Co-Investigator (*renkei-kenkyūsha*)", and the "Research Collaborator" in the research.

Moreover, the definitions of "Principal Investigator", "Co-Investigator (*kenkyū-buntansha*)", "Co-Investigator (*renkei-kenkyūsha*)", "Research Collaborator" are as follows.

"Principal Investigator (The applicant)"

(A) The Principal Investigator is a member of a funded project and is the researcher who assumes full responsibility for the implementation of the research project (including the summarizing of the research achievements).

Moreover, persons who are expected to become unable to carry out their responsibility as a Principal Investigator, for example due to the loss of their applicant eligibility during the period of research, should avoid becoming a Principal Investigator. *

* The Principal Investigator is the researcher who assumes a full responsibility for the implementation of the research plan and thus plays a central role. . Persons who, at the time they apply, are expected to lose their eligibility to apply during the research period due to retirement or other reasons and are therefore thus expected to become unable to carry out the responsibility, are requested not to become a Principal Investigator since the substitutions of Principal Investigators is not accepted.

However, for "Summarizing Group and International Group Research Projects" of "Scientific

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Research on Innovative Areas (Research in a proposed research area)", it may happen that, after completion of the necessary procedures, replacements of Principal Investigators (or Principal Investigator of Innovative Areas) may be accepted.

(B) When setting up a team of project members, the Principal Investigator should without fail collect a "Written Consent of the Co-Investigator (*kenkyū-buntansha*) (for other institution)", in case the Co-Investigator (*kenkyū-buntansha*) in question belongs to a different research institution, or a "Written Consent of the Co-Investigator (*kenkyū-buntansha*) (for same institution)", in case the Co-Investigator (*kenkyū-buntansha*) belongs to the same institution, and retain it.

(C) Apart from registration in e-Rad of the information on the researchers as "Eligible to Apply for KAKENHI", it is essential that Principal Investigators are not designated as ineligible for receipt of funding in FY2017, because they committed fraudulent use, fraudulent receipt of grants or fraudulent acts using KAKENHI or other competitive funding.

"Co-Investigator (*kenkyū-buntansha*)"

(A) The Co-Investigator (*kenkyū-buntansha*) is a member of the funded project, and engages in research activity, collaborating with the Principal Investigator in the implementation of the research project and sharing the responsibility for the implementation of the research as a funded project. He or she has to receive a share of the grant-in-aid. (Even when the Co-Investigator (*kenkyū-buntansha*) belongs to the same research institution as the Principal Investigator, he or she should be allotted a share of the expenses.)

Moreover, a person who is expected to become unable to carry out one's responsibility as a Co-Investigator (*kenkyū-buntansha*), for example due to the loss of one's applicant eligibility during the period of research, should avoid becoming a Co-Investigator (*kenkyū-buntansha*).

(B) Apart from registration in e-Rad of the information on the researchers as "Eligible to Apply for KAKENHI", it is essential, in the same manner as for Principal Investigators, that Co-Investigators (*kenkyū-buntansha*) are not designated as ineligible for receipt of funding in FY2017, because they committed fraudulent use, fraudulent receipt of grants or fraudulent acts using KAKENHI or other competitive funding.

"Co-Investigator (*renkei-kenkyūsha*)"

(A) The Co-Investigator (*renkei-kenkyūsha*) is a researcher who participates in the research project as a project member, under the supervision of the Principal Investigator or the Co-Investigator(s) (*kenkyū-buntansha*).

Since the Co-Investigator (*renkei-kenkyūsha*) is not a member of the funded project, he or she

cannot receive a share of the KAKENHI, and cannot use subsidies on his/her own initiative.

※ The difference between "Co-Investigator (*kenkyū-buntansha*)" and "Co-Investigator (*renkei-kenkyūsha*)" is a difference related to the positioning in the KAKENHI system. The relative importance of the researchers' relative roles in the research activity is the same.

(B) It is essential that Co-Investigators (*renkei-kenkyūsha*) register the information on the researchers in e-Rad as "Eligible to Apply for KAKENHI", in the same manner as for Principal Investigators and Co-Investigators (*kenkyū-buntansha*).

"Research Collaborator"

(A) A Research Collaborator is somebody who cooperates in the implementation of a research project other than the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*) and the Co-Investigator (*renkei-kenkyūsha*).

(For example, a postdoctoral researcher, a research assistant (RA), a Fellow of the Japan Society for the Promotion of Science (JSPS Research Fellow) (a DC; or a SPD, PD or RPD who does not meet the application requirements in his or her research institution which he or she registers as his or her host research institution), a researcher who belongs to an overseas research institution, a researcher who works for a corporation that is not recognized according to Article 2 of the Rules for the Handling of Grants-in-Aid for Scientific Research, other persons offering research support, such as technical experts and intellectual property specialists, etc.)

(B) It is not necessary for Research Collaborators to register the information on the researchers in e-Rad as "Eligible to Apply for KAKENHI".

In addition, the applicant should fill in the section "Project Members List" while keeping in mind the following points.

(1) Concerning the edit box for the project members (Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*)), when pressing the button "⁺Add" on the left side of the entry screen one time for every member of the project, the edit box in which the data need to be entered is displayed.

The applicant should delete edit boxes for data entry that are not being used (when he or she entered data but finally does not use them, or when he or she did not enter data at all), by pressing the button "Delete" on the left side.

The section "number of project members", displayed on the lowermost part of the screen, is displayed automatically, according to the number of edit boxes for data entry.

If the number in the section "number of project members" and the total number of persons for whom data have actually been entered do not correspond, "error" is displayed on the confirmation screen, the data have been entered. Therefore, the applicant should always delete edit boxes for data in which no data has been entered.

If a Co-Investigator (*kenkyū-buntansha*) is scheduled to participate from the second fiscal year on, it is possible to enter this information in the Project Members List for "Scientific Research (B) Screening division Generative Research Fields", "Scientific Research (C)" and "Challenging Research（Pioneering /Exploratory）". In this case, the applicant should enter "0" in the section "Effort" of "Budget Requested for FY2017".

(2) The distinction Co-Investigator (*kenkyū-buntansha*) and Co-Investigator (*renkei-kenkyūsha*)

The applicant should select the appropriate item from among "kb"(Co-Investigator (*kenkyū-buntansha*) and "rk"(Co-Investigator (*renkei-kenkyūsha*)))

in the section "Distinction".

(3) In the case of collaborative research with a researcher from abroad, or a researcher from a company who is not qualified to apply for KAKENHI, these researchers become "Research Collaborator". Therefore, the applicant should not enter them in the Project Members List of the proposed project in question, but should mention them in a section where he or she explains the overall research plan, for example, in the section "Research Plan and Methods" of the proposal for grant-in-aid, according to the instructions in the Procedures for Preparing and Entering a Proposal for Grant-in-Aid.

(4) Information on the researchers

The correct information for each researcher, such as (1) researcher number, (2) name (Pronunciation in katakana and Kanji), (3) age (as of April 1, 2017), (4) position, academic unit, research institution, (5) field of specialization, and (6) academic degree, should be entered or selected after verification by each researcher in person and by the secretariat of the research institution the researcher belongs to. (A list of numbers for "position, academic unit, research institution" can be generated from the entry screen.)

However, since among the information on the Principal Investigator the items (1), (2), (3) and (4) are information that has been registered in advance from the research institution to which the Principal Investigator belongs, this information will be automatically displayed. Therefore, the Principal Investigator in question should verify whether this information has been registered correctly.

(5) If the name in the "list of numbers for academic units" in the section "academic unit" is different from the name of the academic unit the applicant actually belongs to, he or she should enter the

actual name of his or her academic unit. (If the institution the applicant belongs to is not of the level of an academic unit, it is not necessary to enter anything in the section "name".)

(6) If the name in the "list of numbers for position" in the section "position" is different from the actual name of the position, he or she should enter the actual name of his or her position.

(7) In the section "Roles", the applicant should fill in, how the Principal Investigator, the Co-Investigator(s) (*kenkyū-buntansha*) and Co-Investigator(s) (*renkei-kenkyūsha*) will cooperate to carry out the research, in a way that clarifies the respective connections between the researchers, and highlighting the allotment of research tasks in the research implementation plan FY2017.

(8) In the section "Budget for Proposed Project for FY2017" the share of the grant-in-aid to the Principal Investigator and the Co-Investigator(s) (*kenkyū-buntansha*) should be entered in units of thousand yen, based on the research plan. (Since Co-Investigator(s) (*renkei-kenkyūsha*) cannot receive a share of the funding, his/her/their section does not need to be entered.)

The total amount of all the shares of the grant-in-aid to each researcher should correspond to "Annual Budget" of "Budget for Proposed Project" for "FY2017" in the section "15. Budget for Proposed Project". (If it does not correspond, "error" is displayed on the confirmation screen, the data have been entered.)

(9) The applicant should enter the time allocation rate (an integral number between 1 and 100) of the Principal Investigator and the Co-Investigator (*kenkyū-buntansha*) in the section "Effort", assuming that the research project for which the current application is being made would be selected (The section for Co-Investigator(s) (*renkei-kenkyūsha*) does not need to be entered.).

When determining the time allocation rate, the applicant should determine it keeping in mind the definition of "effort" by the Council for Science and Technology Policy. This definition is "the percentage of time allocation (%) necessary for the implementation of the research in question, if the entire yearly working time of the researcher is set at 100%". Moreover, the "entire working time" does not mean time spent only on research activities, but entire actual working time, including time spent on educational activities and other activities.

Moreover, when the research project for which the current application is being made is selected, the applicant will be requested to determine the effort anew at that time and it will be registered in e-Rad.

Application information (Items to be filled in on the form on the website) (screenshot)

Scientific Research（S）－（1）

Application information (Items to be filled in on the form on the website) (screenshot)

Scientific Research（S）－（2）

【Project Members List (Principal Investigator and Co-Investigators)】

Please click Add to register Co-Investigators (kenkyu-buntansha and renkei-kenkyusha).
Note: Click Add on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).
Note: kb: Co-Investigator(kenkyu-buntansha) , rk: Co-Investigator(renkei-kenkyusha)

Distinction	Name (Age)	Research Institution [List] Academic Unit [List] Position	1.Field of Specialization 2.Academic Degree 3.Roles	Budget Requested for FY2017 (Thousand Yen)	Effort (%)
研究代表者 (Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダイヒョウ イチロウ (Kanji etc) 代表 一郎 (Age) 60 Years Old	(Number) 99999　AAA大学 (Number) 999　AA学部 (Number) 20　教授	1. * 2. * 3. *	*	*
Delete * [▾]	*(Researcher Number) [ ] (Pronunciation in katakana) (Family Name) * [ ] (First Name) [ ] (Kanji etc) (Family Name) * [ ] (First Name) [ ] *(Age) [ ] Years Old	*(Number) [ ] *(Number) [ ] (Japanese) [ ] (Enter name of the academic unit if different from the academic unit name in the list of academic unit numbers) [▾] (Enter the position name of if different from the position name in the list of position numbers)	1. [ ] 2. * [ ] 3. * [ ]	[ ]	[ ]
Delete * [▾]	*(Researcher Number) [ ] (Pronunciation in katakana) (Family Name) * [ ] (First Name) [ ] (Kanji etc) (Family Name) * [ ] (First Name) [ ] *(Age) [ ] Years Old	*(Number) [ ] *(Number) [ ] (Japanese) [ ] (Enter name of the academic unit if different from the academic unit name in the list of academic unit numbers) [▾] (Enter the position name of if different from the position name in the list of position numbers)	1. [ ] 2. * [ ] 3. * [ ]	[ ]	[ ]
+Add					

Number of Project Members　3

29 minutes have been passed since the screen had been displayed.　[Temporarily Save]

File of Details of Application

Please select the File of Details of Application (Word or PDF)：
[ ] 参照

- Reselecting the updated File of Details of Application will overwrite the existing file.
- When you do not need to update the file, the File of Details of Application field can be left blank.
- A PDF file can be used instead of a Word file for the File of Details of Application. (A PDF file must be created using the format of the File of Details of Application in accordance with the Word file or the format provided by the JSPS or the MEXT).
- Do not change the margin setting of the File of Details of Application. Doing so may cause errors.

[➡ Save Temporarily and Go to Next]　[Temporarily Save]　[Go Back Without Save]

[✕ Logout]

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Application information (Items to be filled in on the form on the website) (screenshot)

Scientific Research (A/B) screening division "General"–(1)

Application information (Items to be filled in on the form on the website) (screenshot)

Scientific Research (A/B) screening division "General"–(2)

[Project Members List (Principal Investigator and Co-Investigators)]

Please click Add to register Co-Investigators (kenkyu-buntansha and renkei-kenkyusha).
Note: Click Add on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).
Note: kb: Co-Investigator(kenkyu-buntansha) , rk: Co-Investigator(renkei-kenkyusha)

	Distinction	Name (Age)	Research Institution [List] / Academic Unit [List] / Position	1.Field of Specialization 2.Academic Degree 3.Roles	Budget Requested for FY2017 (Thousand Yen)	Effort (%)
	研究代表者 (Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダイヒョウ　イチロウ (Kanji etc) 代表　一郎 (Age) 60 Years Old	(Number) 99999　AAA大学 (Number) 999　AA学部 (Number) 20　教授	1. * 2. * 3. *	*	*
Delete	* ▽	*(Researcher Number) ☐ (Pronunciation in katakana) (Family Name) * ☐ (First Name) ☐ (Kanji etc) (Family Name) * ☐ (First Name) ☐ *(Age) ☐ Years Old	*(Number) ☐ *(Number) ☐ (Japanese) ☐ (Enter name of the academic unit if different from the academic unit name in the list of academic unit numbers) * ▽ ☐ (Enter the position name of if different from the position name in the list of position numbers)	1. * 2. * 3. *	☐	☐
Delete	* ▽	*(Researcher Number) ☐ (Pronunciation in katakana) (Family Name) * ☐ (First Name) ☐ (Kanji etc) (Family Name) * ☐ (First Name) ☐ *(Age) ☐ Years Old	*(Number) ☐ *(Number) ☐ (Japanese) ☐ (Enter name of the academic unit if different from the academic unit name in the list of academic unit numbers) * ▽ ☐ (Enter the position name of if different from the position name in the list of position numbers)	1. * 2. * 3. *	☐	☐
Add						

Number of Project Members 3

29 minutes have been passed since the screen had been displayed. [Temporarily Save]

File of Details of Application

Please select the File of Details of Application (Word or PDF).

☐ 参照

- Reselecting the updated File of Details of Application will overwrite the existing file.
- When you do not need to update the file, the File of Details of Application field can be left blank.
- A PDF file can be used instead of a Word file for the File of Details of Application. (A PDF file must be created using the format of the File of Details of Application in accordance with the Word file or the format provided by the JSFS or the MEXT)
- Do not change the margin setting of the File of Details of Application. Doing so may cause errors.

[→ Save Temporarily and Go to Next] [Temporarily Save] [Go Back Without Save]

[× Logout]

Application information (Items to be filled in on the form on the website) (screenshot)

Scientific Research (C) screening division "General"–(1)

Application information (Items to be filled in on the form on the website) (screenshot)

Scientific Research (C) screening division "General"–(2)

【Project Members List (Principal Investigator and Co-Investigators)】

Please click Add to register Co-Investigators (kenkyu-buntansha and renkei-kenkyusha) .
Note: Click Add on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required) .
Note: kb: Co-Investigator(kenkyu-buntansha) , rk: Co-Investigator(renkei-kenkyusha)

Distinction	Name (Age)	Research Institution [List] Academic Unit [List] Position	1.Field of Specialization 2.Academic Degree 3.Roles	Budget Requested for FY2017 (Thousand Yen)	Effort (%)
研究代表者 (Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダイヒョウ イチロウ (Kanji etc) 代表 一郎 (Age) 60 Years Old	(Number) 99999 AAA大学 (Number) 999 AA学部 (Number) 20 教授	1. * 2. * 3. *	*	*
[Delete] * ⌄	*(Researcher Number) [ ] (Pronunciation in katakana) (Family Name) * [ ] (First Name) [ ] (Kanji etc) (Family Name) * [ ] (First Name) [ ] *(Age) [ ] Years Old	*(Number) [ ] *(Number) [ ] (Japanese) (Enter name of the academic unit if different from the academic unit name in the list of academic unit numbers) * ⌄ (Enter the position name of if different from the position name in the list of position numbers)	1. * 2. * 3. *	[ ]	[ ]
[Delete] * ⌄	*(Researcher Number) [ ] (Pronunciation in katakana) (Family Name) * [ ] (First Name) [ ] (Kanji etc) (Family Name) * [ ] (First Name) [ ] *(Age) [ ] Years Old	*(Number) [ ] *(Number) [ ] (Japanese) (Enter name of the academic unit if different from the academic unit name in the list of academic unit numbers) * ⌄ (Enter the position name of if different from the position name in the list of position numbers)	1. * 2. * 3. *	[ ]	[ ]

[Add]

Number of Project Members   3

29 minutes have been passed since the screen had been displayed.   [Temporarily Save]

File of Details of Application

Please select the File of Details of Application (Word or PDF) .

[_____] [参照]

- Reselecting the updated File of Details of Application will overwrite the existing file.
- When you do not need to update the file, the File of Details of Application field can be left blank.
- A PDF file can be used instead of a Word file for the File of Details of Application. (A PDF file must be created using the format of the File of Details of Application in accordance with the Word file or the format provided by the JSPS or the MEXT)
- Do not change the margin setting of the File of Details of Application. Doing so may cause errors.

[➡ Save Temporarily and Go to Next]   [Temporarily Save]   [Go Back Without Save]

[✕ Logout]

Application information (Items to be filled in on the form on the website) (screenshot)

Scientific Research (A/B) screening division "Overseas Academic Research"–(1)

Application information (Items to be filled in on the form on the website) (screenshot)

Scientific Research (A/B) screening division "Overseas Academic Research"–(2)

[Project Members List (Principal Investigator and Co-Investigators)]

Please click Add to register Co-Investigators (kenkyu-buntansha and renkei-kenkyusha).
Note: Click Add on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).
Note: kb: Co-Investigator(kenkyu-buntansha) , rk: Co-Investigator(renkei-kenkyusha)

Distinction	Name (Age)	Research Institution [List] / Academic Unit [List] / Position	1.Field of Specialization 2.Academic Degree 3.Roles	Budget Requested for FY2017 (Thousand Yen)	Effort (%)
研究代表者 (Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダイヒョウ イチロウ (Kanji etc) 代表 一郎 (Age) 60 Years Old	(Number) 99999 AAA大学 (Number) 999 AA学部 (Number) 20 教授	1. * 2. * 3. *	*	*
Delete * [▼]	*(Researcher Number) [ ] (Pronunciation in katakana) (Family Name) * [ ] (First Name) [ ] (Kanji etc) (Family Name) * [ ] (First Name) [ ] *(Age) [ ] Years Old	*(Number) [ ] *(Number) [ ] (Japanese) [ ] (Enter name of the academic unit if different from the academic unit name in the list of academic numbers) [▼] * (Enter the position name of if different from the position name in the list of position numbers)	1. 2. 3. *	[ ]	[ ]
Delete * [▼]	*(Researcher Number) [ ] (Pronunciation in katakana) (Family Name) * [ ] (First Name) [ ] (Kanji etc) (Family Name) * [ ] (First Name) [ ] *(Age) [ ] Years Old	*(Number) [ ] *(Number) [ ] (Japanese) [ ] (Enter name of the academic unit if different from the academic unit name in the list of academic numbers) [▼] * (Enter the position name of if different from the position name in the list of position numbers)	1. 2. 3. *	[ ]	[ ]

[Add]

Number of Project Members   3

29 minutes have been passed since the screen had been displayed.   [Temporarily Save]

File of Details of Application

Please select the File of Details of Application (Word or PDF).

[ ] 参照

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[Save Temporarily and Go to Next]   [Temporarily Save]   [Go Back Without Save]

[Logout]

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Application information (Items to be filled in on the form on the website) (screenshot)

Scientific Research (B/C) screening division "Generative Research Fields"–(1)

Application information (Items to be filled in on the form on the website) (screenshot)

Scientific Research (B/C) screening division "Generative Research Fields"–(2)

【Budget for Proposed Project (Round down below one thousand yen)】 (0 must be entered when not applicable)

Fiscal Year	Annual Budget (Thousand Yen)	Details(Thousand Yen)				
		Equipment	Consumables	Travel Expenses	Personnel Expenditure and Remuneration	Miscellaneous
FY 2017	0	0	0	0	0	0
FY 2018	0	0	0	0	0	0
FY 2019	0	0	0	0	0	0
FY 2020	0	0	0	0	0	0
FY 2021	0	0	0	0	0	0
Total Amount	0	0	0	0	0	0

Wish for Disclosure of Screening Results	
Contact information of the Principal Investigator (Note: Not converted to PDF)	Postcode:＊ Address:＊ Phone Number:＊ FAX Number:＊ Email:＊

29 minutes have been passed since the screen had been displayed. **Temporarily Save**

【Project Members List (Principal Investigator and Co-Investigators)】

Please click Add to register Co-Investigators (kenkyu-buntansha and renkei-kenkyusha).
Note: Click Add on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).
Note: kb: Co-Investigator(kenkyu-buntansha) , rk: Co-Investigator(renkei-kenkyusha)

Distinction	Name (Age)	Research Institution (List) / Academic Unit (List) / Position	1.Field of Specialization 2.Academic Degree 3.Roles	Budget Requested for FY2017 (Thousand Yen)	Effort (%)
研究代表者 (Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダイヒョウ イチロウ (Kanji etc) 代表 一郎 (Age) 60 Years Old	(Number) 99999 AAA大学 (Number) 999 AA学部 (Number) 20 教授	1.＊ 2.＊ 3.＊	＊	＊
Delete ＊	＊(Researcher Number) (Pronunciation in katakana) (Family Name)＊ (First Name) (Kanji etc) (Family Name)＊ (First Name) ＊(Age) Years Old	＊(Number) ＊(Number) (Japanese) (Enter name of the academic unit if different from the academic unit name in the list of academic unit numbers) ＊ (Enter the position name of if different from the position name in the list of position numbers)	1.＊ 2.＊ 3.＊		
Delete ＊	＊(Researcher Number) (Pronunciation in katakana) (Family Name)＊ (First Name) (Kanji etc) (Family Name)＊ (First Name) ＊(Age) Years Old	＊(Number) ＊(Number) (Japanese) (Enter name of the academic unit if different from the academic unit name in the list of academic unit numbers) ＊ (Enter the position name of if different from the position name in the list of position numbers)	1.＊ 2.＊ 3.＊		

Add

Number of Project Members 3

29 minutes have been passed since the screen had been displayed. **Temporarily Save**

File of Details of Application

Please select the File of Details of Application (Word or PDF). 参照

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→ Save Temporarily and Go to Next **Temporarily Save** **Go Back Without Save**

✕ Logout

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Application information (Items to be filled in on the form on the website) (screenshot)

Challenging Research（Pioneering）–(1)

Application information (Items to be filled in on the form on the website) (screenshot)

Challenging Research （Pioneering） –(2)

【Project Members List (Principal Investigator and Co-Investigators)】

Please click Add to register Co-Investigators (kenkyu-buntansha and renkei-kenkyusha) .
Note: Click Add on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused
fields (if any field is not used or no longer required) .
Note: kb：Co-Investigator(kenkyu-buntansha) , rk: Co-Investigator(renkei-kenkyusha)

	Distinction	Name (Age)	Research Institution List / Academic Unit List / Position	1.Field of Specialization 2.Academic Degree 3.Roles	Budget Requested for FY2017 (Thousand Yen)	Effort (%)
	研究代表者 (Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダイヒョウ イチロウ (Kanji etc) 代表 一郎 (Age) 60 Years Old	(Number) 99999 AAA大学 (Number) 999 AA学部 (Number) 20 教授	1. * 2. * 3. *	*	*
Delete	* ▼	*(Researcher Number) (Pronunciation in katakana) (Family Name) * (First Name) (Kanji etc) (Family Name) * (First Name) *(Age) Years Old	*(Number) *(Number) (Japanese) (Enter name of the academic unit if different from the academic unit name in the list of academic unit numbers) * ▼ (Enter the position name of if different from the position name in the list of position numbers)	1. 2. 3.		
Delete	* ▼	*(Researcher Number) (Pronunciation in katakana) (Family Name) * (First Name) (Kanji etc) (Family Name) * (First Name) *(Age) Years Old	*(Number) *(Number) (Japanese) (Enter name of the academic unit if different from the academic unit name in the list of academic unit numbers) * ▼ (Enter the position name of if different from the position name in the list of position numbers)	1. 2. 3.		
Add						

Number of Project Members 3

29 minutes have been passed since the screen had been displayed. **Temporarily Save**

File of Details of Application

Please select the File of Details of Application (Word or PDF) .

参照

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→ Save Temporarily and Go to Next　**Temporarily Save**　**Go Back Without Save**

✕ Logout

Application information (Items to be completed on the form on the website) (screenshot)

Challenging Research（Exploratory）—(1)

Application information (Items to be filled in on the form on the website) (screenshot)

Challenging Research（Exploratory）–(2)

Application information (Items to be filled in on the form on the website) (screenshot)

Grant-in-Aid for Young Scientists (A)

Application information (Items to be filled in on the form on the website) (screenshot)

Grant-in-Aid for Young Scientists (B) –(In the case of one research field has been selected)

Application information (Items to be filled in on the form on the website) (screenshot)

Grant-in-Aid for Young Scientists (B) –(In the case of two research fields have been selected)

Form S-1-6

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (S)" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

※ **This proposal for grant-in-aid is to be used when applying for "Scientific Research (S)", "New Application" (including an application for a grant for the fiscal year before the final fiscal year of a research plan)".**

※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures. Moreover, please refer to the Application Procedures for a definition of the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*), the Co-Investigator (*renkei-kenkyūsha*) and the Research Collaborator.**

※ **No modifications can be made to the prescribed form.**

※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter called "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been

provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY2017 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research (S/A/B/C)", "Challenging Research（Pioneering /Exploratory）", "Grant-in-Aid for Young Scientists (A/B)", Continued Research Projects).

(To be entered in the website)

1. New or continued
2. Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan
3. Item Number
4. Screening Sub-panel Number
5. Keywords from Keyword List, Other Keywords
6. Name of the Principal Investigator
7. Position, Academic Unit, and Research Institution of the Principal Investigator
8. Title of Proposed Project
9. Budget of Proposed Project
10. Wish for Disclosure of Screening Results
11. Contact Information of the Principal Investigator
12. Project Members

II. File of Details of Application (items of attached file)

The following items are information about the "File of Details of Application (items of attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File of Details of Application (items of attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic application system". （(Files above 3 MB cannot be attached.)

1. Overall Research Plan

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger should be used for (1), (2), (3), (4) and (5) below.

In addition, please take note that the following research projects are not eligible.

① Research projects which merely aim at purchasing ready-made research equipment.

② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

③ Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).

④ Funded research which is carried out as commercial business.

⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The section "Purpose of the Research", "Research Plan and Methods", "Research Funding Received and Achievements", and "Rationality and Justification of the Research Costs", "Statement of Cost for Equipment 〈Rationality and Justification etc.〉"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(2) The section "State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens"

It should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, the researchers should explain the research achievements in an easily comprehensible way, since KAKENHI are funded by the tax of citizens. Therefore, they should state the way the research achievements will be disseminated to society and members of the public (e.g. creation of a website, preparation of pamphlets to publicize the research achievements, participation in open events, or planned publication through the mass media).

(3) The section "Entries when Applying for a Grant for the Final Year of a Research Plan"

If the applicant is making a new "application for the fiscal year before the final fiscal year of a research plan" (cf. procedures for application), he or she should state the fact, in accordance with the instructions given in the proposal for grant-in-aid.

(4) The section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment"

If the Principal Investigator of "Specially Promoted Research" or "Scientific Research (S)" received a research progress assessment in FY2015 or in FY2016, he or she should describe it in this section, in accordance with the instructions given in the proposal for grant-in-aid.

(5) The section "Protection of Human Rights and Compliance with the Laws and Regulations"

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(6) The section "Major Equipment Currently Used"

List the machines and equipment currently available for the research project.

State the available time per week and other explanations in the remarks section, if the facilities are to be shared or jointly used in any other research project.

(7) In **the section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.
If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the MiddleAges in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(8) The applicant should fill in **the section "Statement of Costs for Consumables and Other Things"**, taking into account the following.

1) The applicant should itemize the cost of consumables, filling in the name of the item, such as chemicals, test animals and scientific glassware.

2) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator(s) (*kenkyū-buntansha*), Co-Investigator(s) (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.

3) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research

assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payment to temporary staff agencies.

(Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

4) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles, experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters), experiment waste disposal cost).

2. Statement of the Researcher

The Statement of the Researcher should be prepared on a separate sheet of paper for the Principal Investigator and the Co-Investigator (*kenkyū-buntansha*) (in the order as mentioned in the section Project Members).

Moreover, since Scientific Research (S) aims at research plans coordinated by one or relatively few researchers, the statement should also be prepared for Co-Investigators (*renkei-kenkyūsha*) who participate as project members, if the need arises.

(1) The section "Date of Birth (Age)"

The applicant should enter his/her age as of April 1, 2017 between brackets after his/her date of birth.

(2) The section "Position, Academic Unit and Research Institution"

The applicant should enter his/her position, academic unit and research institution at the time of the preparation of the proposal for grant-in-aid.

(3) The section "Research Achievements"

The applicant should enter them in accordance with the instructions given in the proposal for grant-in-aid. (Pages cannot be added.) Moreover, if he or she owns intellectual property rights, including industrial property rights, he or she should state them (e.g. patent application number).

(4) The section "Application for Research Funding, the Current State of Funding and Effort"

The applicant should enter the state of respectively "(1) research funding applied for", "(2) research funding to be provided" and "(3) other activities" at the time of application by the Principal Investigator and Co-Investigator (*kenkyu-buntansha*), taking into account the following points.

・In the section "(1) research funding applied for" and "(2) research funding to be provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.

・Distinguish between sources of research funding, if there is more than one.

・The applicant should include research funding that is competitively delivered within the research institution to which he or she belongs in "(1) research funding applied for" or "(2) research funding to be provided".

・If the applicant is participating in project research conducted in line with a specific purpose (mission) of the research institution to which he or she belongs, he or she should also enter the research funding that is delivered in the sections "(1) research funding applied for" and "(2) research funding to be provided".

Moreover, if the research funding that is delivered to each individual is not clear, the applicant should make a statement to this effect in the section "Differences in Details of Research and Reasons for Additional Application for a Grant for the Current Research Project".

・The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) research funding applied for "or "(2) research funding to be provided". The effort for the research activities using such funding should be entered in "(3) other activities".

Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) other activities", if applicable.

・If the Co-Investigator (*kenkyū-buntansha*) is a Fellow of the Japan Society for the Promotion of Science (JSPS Research Fellow) (SPD, PD, RPD) and is scheduled to receive a Grant-in-Aid for JSPS Fellows in FY2017, he or she should enter this in "(2) Research funding to be provided". Moreover, the grant-in-aid that is paid monthly by JSPS (research implementation costs) should not be entered.

1) **"Funding system and name of the research funding (research period and name of the funding organization)"**

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a proposed research project), whether planned research or invited research), and the research period. However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

(Example 1) Screening division "General" in "Scientific Research" (C) with a research period from FY2016 to FY2019
→ Scientific Research (C) (General) (FY2016 to FY2019)

(Example 2) "Challenging Research（Exploratory）" with a research period from FY2017 to FY2019
→ Challenging Research（Exploratory）(FY2017to FY2019)

(Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)" with a research period from FY2017 to FY2021
→ Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)

(Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to FY2018
→ Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) "Title of the research project (name of the Principal Investigator)"

The applicant should enter the title of the proposed project. Moreover, if the applicant participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the names of the Principal Investigator of the research project in question and others in parentheses.

3) "Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"

The applicant should enter "Principal Investigator", if the role of the researcher in question is Principal Investigator, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*).

4) "Budget for FY2017 (throughout the period) (Unit: Thousands of yen)"

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period in the section "Differences in details of research and reasons for additional application for a grant for the current

research project".

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

Moreover, for KAKENHI, the applicant should put a dash ("−") when stating a research category for which duplicate applications are permitted but not both of them are selected at the same time (e.g. Specially Promoted Research).

Moreover, in case he or she is conducting research using a competitive funding system, he or she should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the "effort" again, and register it in e-Rad.

6) "Differences in details of research and reasons for additional application for a grant for the current research project"

The applicant should clearly enter the differences in the details of research between the research supported by a grant under application or to be approved, on the one hand, and the present research project, on the other hand, and the reasons for the application for a grant for the present research project, in addition to any other research funding. Highlight only key points when entering this information.

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period.

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Form S-1-6: File of Details of Application (items of attached file)

Purpose of the Research

The applicant shall indicate the general nature of the research and the specific purpose of the research, after succinctly summarizing it and providing an outline at the beginning, and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

1) Scientific background for the research (e.g., domestic and overseas trends related to the research and positioning of the research; how the applicant has reached the concept based on his or her achievements in earlier research work; and details of achievements in past research work where the purpose of this project is to attain a greater level of knowledge in a similar area)

2) What will be elucidated and to what extent will it be pursued during the research period

3) Scientific characteristics, originality and expected results and significance of the research in the area

4) Differences in goals if you have applied for a grant for another research project falling into Scientific Research (A) that is associated with the present research; or differences in details of the research if you have applied for a grant for another research project falling into Scientific Research (A) that is not associated with the present research (Persons to whom this applies should be sure to enter this.)

Purpose of the Research (Outline) ∗ **Concerning the Purpose of the Research Project, the applicant should succinctly summarize and describe in detail.**

Purpose of the Research (continued)

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Purpose of the Research (continued)

Research Plan and Method

The applicant should provide details of the research plan and the method for achieving the objectives of the research in a clear and specific manner, after succinctly summarizing it and providing an outline at the beginning. The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed and main points should be highlighted. The plan and methods should indicate achievements through a discussion from different angles, such as action to be taken in the event that the research does not progress as originally planned. Where the research plan is being implemented by a group, indicate the specific roles of the Principal Investigator and the Co-investigator (*kenkyu-buntansha*) of the research team (using figures, tables and other visual aids). In case the research plan is being implemented together with Co-Investigators (*kenkyu-buntansha*), include the necessity and rationality of the project members, and the relationship to the purpose of the research from the scientific viewpoint. In addition, in order to clearly indicate the general view of the research team, state the roles of Co-Investigators (*renkei-kenkyusha*) and Research Collaborators [overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (the names and the number of members may be stated)] as needed.

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

Research Plan and Method (Outline) ∗ **Concerning the Research Plan and Method to accomplish the Purpose of the Research, the applicant should succinctly summarize and describe in detail.**

Research Plan and Method (continued)

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Research Plan and Method (continued)

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Research Plan and Method (continued)

State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens

The following points should be highlighted and stated in a clear and specific manner:

  1) The current state of research environment, such as research facilities, equipment and materials that are to be used in conducting the research

  2) The state of preparation for starting the research, such as coordination and contact with project members, in case there are Co-Investigator(s) (*kenkyu-buntansha*) (This should also be stated if appropriate in the case that there are Co-Investigators (*renkei-kenkyusha*) and/or Research Collaborators.)

  3) How the research achievements will be disseminated to society and members of the public

Entries when Applying for a Grant for the Final Year of a Research Plan

[It is essential that this is filled in by the relevant applicants. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

The applicant should indicate the initial research plan of a continued research project having FY2017 as the final year in which the applicant participates as the Principal Investigator. The applicant should also state new findings in the research and other research achievements and reasons why the applicant restructures the research plan in the light of developments in the research in question, and applies for the research this time (e.g., the degree to which the research has been developed and a justification of the cost). (Do not include the research achievements of the continued research project stated here in *Research Funding Received and Achievements* on Scientific Research S - 7.)

Research Category	Project Number	Title of Research Project	Research Period
			From FY____ to FY2017

Initial Research Plan and Results

Reasons for Applying

Research Funding Received and Achievements

State the achievements of funded research that is being used for planning the current research from the grants that the Principal Investigator / Co-Investigator (*kenkyu-buntansha*) has received (including KAKENHI, research funding provided by his or her research institution, research funding paid by any ministry/office, local public organization, research promotion corporation, private corporation and any current research funding). Classify the grants into KAKENHI and others. The following should be taken into account:

1) For each research funding, state the research category (name of the system for research funding other than KAKENHI), period (fiscal year), title of the research project, whether the applicant is the Principal Investigator or Co-Investigator (*kenkyu-buntansha*), and eligible costs (direct costs) of the research. Also give a clear statement of the research achievements and interim and after-the-fact assessment results (only to be made by the funding organizations). (If there are research progress assessment results for KAKENHI in FY2015 or in FY2016, they should be described in the section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment" on Scientific Research S-9.)

2) The applicant should describe them and make a distinction by drawing a line between KAKENHI and other research funding.

Research Funding Received and Achievements (continued)

Research Funding Received and Achievements (continued)

Connection between the Research Plan and the Research Project which received a Research Progress Assessment

- If the Principal Investigator of the current application received a research progress assessment in FY2015 or in FY2016, as a Principal Investigator of "Specially Promoted Research" or "Scientific Research (S)", he or she should describe it in this section.
- The researcher should describe the connection between the research plan and the research project which received a research progress assessment in this section (e.g. what kind of connection is there, how the researcher will advance the research which received a research progress assessment in concrete terms, etc.).

- If the Principal Investigator of the current application received a research progress assessment in FY2015 or in FY2016, as a Principal Investigator of "Specially Promoted Research" or "Scientific Research (S)", he or she should describe it in this section.

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for Grants-in-Aid for Scientific Research)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Rationality and Justification of the Research Costs

The applicant should explain the rationality, necessity and grounds for calculating the research costs to be stated on the following page and thereafter, based on the scale and organization of the research given in *Research Plan and Method*. （details on equipment costs should be noted under "Statement of Costs for Equipment " on the next page） Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year.

Major Equipment Currently Used See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (S)"

Research Institution	Equipment	Specifications (type and performance)	Exclusive/ Joint Use	FY of Installation	Remarks

Statement of Costs for Equipment See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (S)"

Describe the capacity and research necessity of primary and expensive equipment, together with why the use of current equipment is impossible under "Rationality and Justification etc." below.   (Unit: Thousands of yen)

FY	Items and Specifications	Qty	Unit Price	Amount (¥)	Names of Main Users (Researcher and Institution)	When to Purchase
2017						

〈Rationality and Justification etc.〉

	Consumables		Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
FY	Item	Amount (¥)	Item	Amount (¥)	Item	Amount (¥)	Item	Amount (¥)
2017			(Domestic)					
			(Overseas)					
	Total		Total		Total		Total	
2018			(Domestic)					
			(Overseas)					
	Total		Total		Total		Total	
2019			(Domestic)					
			(Overseas)					
	Total		Total		Total		Total	
2020			(Domestic)					
			(Overseas)					
	Total		Total		Total		Total	
2021			(Domestic)					
			(Overseas)					
	Total		Total		Total		Total	

Statement of Costs for Consumables and Other Things

See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (S)" (Unit: thousands of yen)

Proposal of the Researcher Conducting Scientific Research (S) for FY2017

Researcher	Name		Date of Birth (age)		(__ years old)
	Institution, Academic Unit, Position		Academic Degree	Field of Specialization	

Research Achievements

The applicant shall enter his or her key research papers/articles, books (excluding textbooks, abstracts of academic meetings and summaries of lectures), industrial property rights and invited lectures in the sequence of publication from new to old with serial numbers assigned. Forthcoming research papers/articles in academic journals may be included, if they have been accepted for publication.

1) For published research papers/articles, state the title, the names of authors, name of the journal, referee reading (or not), volume, page numbers of the first and last pages and year of publication.

2) The above mentioned sequence of such items is not compulsory as long as all of the items are included. Only include some authors omitting others, if there are many authors (if any authors' names are omitted, state the number of the authors and the order on the author list for the related researchers). The Principal Investigator should be marked with a double underline, Co-Investigator(s) (*kenkyu-buntansha*) with a single underline, and the Co-Investigator(s) (*renkei-kenkyusha*) with a dotted underline.

Research Achievements (continued)

Research Achievements (continued)

Scientific Research S-15

Name of researcher	

Application for Research Funding, the Current State of Funding and Effort

Since examiners will refer to the information stated here in the collegial screening when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses.

The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator and the Co-Investigator(s) (kenkyū-buntansha). Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (S)".

  1) Fill in *Effort* with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.

  2) State the title of the research project at the beginning of *Research Funding Applied for*.

  3) In the case of a KAKENHI for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

  4) Include research funding to be competitively provided by the research institution to which the researcher belongs.

  5) In the case where the applicant is conducting research in line with a specific purpose (mission) of his/her research institution, he or she should also state the details of the research funding. Moreover, if the amount provided to each individual is not clear, he or she should make a statement to this effect in the section "Differences in details of research and reasons for additional application for a grant for the current research project".

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Scientific Research (S) (2017-____)			( )		(total budget ____ in thousands of yen)

To be filled in and attached to the proposal for grant-in-aid for each Principal Investigator and Co-Investigator (*kenkyu-buntansha*)

Scientific Research S-16

Application for Research Funding, the Current State of Funding and Effort (continued)

(2) Research Funding to be Provided

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)

(3) Other Activities

State the effort for research and educational activities that are carried out as other work than the aforesaid research activities under application or to be funded.

Total				100 (%)	
Total of the effort in (1), (2) and (3) above					

Form S-1-7

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (General)" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

※ **This proposal for grant-in-aid is to be used when applying for "Scientific Research (A/B) (General)", "New Application" (including an application for a grant for the fiscal year before the final fiscal year of a research plan)".**
※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures. Moreover, please refer to the Application Procedures for a definition of the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*), the Co-Investigator (*renkei-kenkyūsha*) and the Research Collaborator.**
※ **No modifications can be made to the prescribed form.**
※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter called "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and

Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY2017 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research (S/A/B/C)", "Challenging Research（Pioneering/Exploratory）", "Grant-in-Aid for Young Scientists (A/B)", Continued Research Projects)".

(To be entered in the website)
1. New or continued
2. Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan
3. Item Number
4. Screening Sub-panel Number
5. Keywords from Keyword List, Other Keywords
6. Name of the Principal Investigator
7. Position, Academic Unit, and Research Institution of the Principal Investigator
8. Title of Proposed Project
9. Budget of Proposed Project
10. Wish for Disclosure of Screening Results
11. Project Members

II. File of Details of Application (items of attached file)

The following items are information about the "File of Details of Application (items of attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File of Details of Application (items of attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic application system". (Files above 3 MB cannot be attached.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger should be used for (1), (2), (3), (5) and (6) below.

In addition, please take note that the following research projects are not eligible.
   ① Research projects which merely aim at purchasing ready-made research equipment.

② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

③ Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).

④ Funded research which is carried out as commercial business.

⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The section "Purpose of the Research, Research Plan and Method, Research Funding Received and Achievements, and Rationality and Justification of the Research Costs"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(2) The section "State of Preparations of the Research Plan and Methods to Disseminate the Research Results to Society and Citizens"

It should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, the researchers should explain the research achievements in an easily comprehensible way, since KAKENHI are funded by the tax of citizens. Therefore, they should state the way the research achievements will be disseminated to society and members of the public (e.g. creation of a website, preparation of pamphlets to publicize the research achievements, participation in open events, or planned publication through the mass media).

(3) The section "Entries when Applying for a Grant for the Final Year of a Research Plan"

If the applicant is making a new "application for the fiscal year before the final fiscal year of a research plan" (cf. procedures for application), he or she should state the fact, in accordance with the instructions given in the proposal for grant-in-aid.

(4) The section "Research Achievements"

The applicant should enter them in accordance with the instructions given in the proposal for grant-in-aid. (Pages cannot be added.) Moreover, if he or she owns intellectual property rights, including industrial property rights, he or she should state them (e.g. patent application number).

(5) The section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment"

If the Principal Investigator of "Specially Promoted Research"or "Scientific Research (S)" received a research progress assessment in FY2015 or in FY2016, he or she should describe it in this section, in accordance with the instructions given in the proposal for grant-in-aid.

(6) The section "Protection of Human Rights and Compliance with the Laws and Regulations"

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(7) In **the section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(8) In the **section "Statement of Costs for Consumables"**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them for each fiscal year, and add the total sum.

(9) In the **section "Statement of Costs for Travel Expenses"**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and

the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payment to temporary staff agencies.

(Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

3) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles, experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost).

(10) The section "Application for Research Funding, Current State of Funding and Effort"

The applicant should enter the state of respectively "(1) research funding applied for", "(2) research funding to be provided" and "(3) other activities" at the time of application by the Principal Investigator, taking into account the following points.

・In the section "(1) research funding applied for" and "(2) research funding to be provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.

・Distinguish between sources of research funding, if there is more than one.

・The applicant should include research funding that is competitively delivered within the research institution to which he or she belongs in "(1) research funding applied for" or "(2) research funding to be provided".

・The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) research funding applied for "or "(2) research funding to be provided". The effort for the research activities using such funding should be entered in "(3) other activities".

Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) other activities", if

applicable.

・If the applicant is a Fellow of the Japan Society for the Promotion of Science (JSPS Research Fellow) (SPD, PD, RPD) and is scheduled to receive a Grant-in-Aid for JSPS Fellows in FY2017, he or she should enter this in "(2) Research funding to be provided". Moreover, the grant-in-aid that is paid monthly by JSPS (research implementation costs) should not be entered.

1) **"Funding system and name of the research funding (research period and name of the funding organization)"**

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a proposed research project), whether planned research or invited research), and the research period. However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

  (Example 1) Screening division "General" in "Scientific Research" (C) with a research
      period from FY2016 to FY2019
      → Scientific Research (C) (General) (FY2016 to FY2019)
  (Example 2) "Challenging Research（Exploratory）" with a research period from FY2017
      to FY2019
      →Challenging Research（Exploratory）(FY2017 to FY2019)
  (Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative
      Areas (Research in a proposed research area)" with a research period from
      FY2017 to FY2021
      → Grant-in-Aid for Scientific Research on Innovative Areas (Research in a
      proposed research area) (Planned Research) (FY2017 to FY2021)
  (Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to
      FY2018
      → Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) **"Title of the research project (name of the Principal Investigator)"**

The applicant should enter the title of the proposed project. Moreover, if the applicant participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the names of the Principal Investigator of the research project in question and others in parentheses.

3) **"Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"**

The applicant should enter "Principal Investigator", if the role of the researcher in question is Principal Investigator, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*).

4) **"Budget for FY2017 (throughout the period) (Unit: Thousands of yen)"**

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under

application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period in the section "Differences in details of research and reasons for additional application for a grant for the current research project".

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

The applicant should put a dash ("−") when stating a research category for which duplicate applications are permitted but not both of them are selected at the same time (e.g. Specially Promoted Research) for KAKENHI.

Moreover, in case he or she is conducting research using a competitive funding system, he or she should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the "effort" again, and register it in e-Rad.

6) "Differences in details of research and reasons for additional application for a grant for the current research project"

The applicant should clearly enter the differences in the details of research between the research supported by a grant under application or to be approved, on the one hand, and the present research project, on the other hand, and the reasons for the application for a grant for the present research project, in addition to any other research funding. Highlight only key points when entering this information.

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should

complete the total amount of the direct cost for the whole research period.

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Form S-1-7: File of Details of Application (items of attached file)

Purpose of the Research

The applicant shall indicate the general nature of the research and the specific purpose of the research, <u>after succinctly summarizing it and providing an outline at the beginning,</u> and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

  1) Scientific background for the research (e.g., domestic and overseas trends related to the research and positioning of the research; how the applicant has reached the concept based on his or her achievements in earlier research work; and details of achievements of past research work where the purpose of this project is to attain a greater level of knowledge in a similar area)

  2) What will be elucidated and to what extent will it be pursued during the research period

  3) Scientific characteristics, originality and expected results and significance of the research in the area

Purpose of the Research (Outline) ∗ **Concerning the Purpose of the Research Project, the applicant should succinctly summarize and describe in detail.**

Purpose of the Research (continued)

142

Purpose of the Research (continued)

Research Plan and Method

The applicant should provide details of the research plan and the methods for achieving the objectives of the research in a clear and specific manner, <u>after succinctly summarizing it and providing an outline at the beginning</u>. The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed and main points focused on. The plan and methods should indicate achievements through a discussion from different angles, such as the action in the event that the research does not progress as originally planned. Where the research plan is being implemented by a group, indicate the specific roles of the Principal Investigator and Co-Investigator (*kenkyu-buntansha*) of the research team (using figures, tables and other visual aids). In case the research plan is being implemented together with Co-Investigators (*kenkyu-buntansha*), include the necessity and rationality of the research group, and the relationship to the purpose of the research from the scientific viewpoint.

In addition, in order to clearly indicate the general view of the research team, state the roles of Co-Investigators (*renkei-kenkyusha*) and Research Collaborators [overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (the names and the number of members may be stated)] as needed.

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

Research Plan and Method (Outline) ＊Concerning the Research Plan and Method to accomplish the Purpose of the Research, the applicant should succinctly summarize and describe in detail.

Research Plan and Method (continued)

Research Plan and Method (continued)

145

Research Plan and Method (continued)

State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens

The following points should be highlighted and stated in a clear and specific manner:

 1) The current state of research environment, such as research facilities, equipment and materials that are to be used in conducting the research

 2) The state of preparation for starting the research, such as coordination and contact with research members, in case there are Co-Investigator(s) (*kenkyu-buntansha*) (This should also be stated if appropriate in the case that there are Co-Investigators (*renkei-kenkyusha*) and/or Research Collaborators.)

 3) How the research achievements are disseminated to society and members of the public

Entries when Applying for a Grant for the Final Year of a Research Plan

[It is essential that this is filled in by the relevant applicants. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

The applicant should indicate the initial research plan of a continued research project having FY2017 as the final year in which the applicant participates as the Principal Investigator. The applicant should also state new findings in the research and other research achievements and reasons why the applicant restructures the research plan in the light of developments in the research in question, and applies for the research this time (e.g., the degree to which the research has been developed and a justification of the cost). (Do not include the research achievements of the continued research project stated here in *Research funding received and achievements* on Scientific Research A/B (General) - 10.)

Research Category	Project Number	Title of a Research Project	Research Period
			From FY___ to FY2017

Initial Research Plan and Results

Reasons for Applying

Research Achievements

The applicant should fill in the important **research papers/articles, books, industrial property rights and invited lectures** the Principal Investigator and Co-Investigator(s) (*kenkyū-buntansha*) presented up to the present relating to the research in the sequence of publication from new to old with serial numbers assigned. Lines should be drawn between groups of research papers and others published in the same calendar year to separate them. (The lines can be moved.) Forthcoming research papers/articles in academic journals may be included, only if they have been accepted for publication.

In addition, if the need arises, it is also possible to fill in the recent research activities of the Co-Investigators (*renkei-kenkyusha*). If the recent research activities are filled in, double lines should be drawn to distinguish between them. (The double lines can be moved.) They should be filled in per researcher in the sequence of publication from new to old. (It is not necessary to draw lines between every year.)

Moreover, enter research achievements focusing primarily on achievements from 2012 onward. It is also acceptable to enter research paper or other achievement (up to ten items), which are closely related to the current research, or which are key ones that you published up to the present, even if they were published before 2012.

1) For published research papers/articles, state the title, the names of authors, name of the journal, referee reading (or not), volume, page numbers of the initial and final pages and the year of publication.

2) The abovementioned sequence of such items is not compulsory as long as all of the items are included. If there are many authors, only include several authors omitting others (if any authors' names are omitted, state the number of the authors and the order on the author list for the related researchers). The Principal Investigator should be marked with a double underline, Co-Investigator(s) (*kenkyu-buntansha*) with a single underline, and the Co-Investigator(s) (*renkei-kenkyusha*) with a dotted underline.

2016 onward

2015

Research Achievements (continued)

2014

148

2013

Research Achievements (continued)

2012

149

before 2011

Research Achievements (continued)

Research Funding Received and Achievements

State the achievements of funded research that is being effectively used for planning the current research from the grants that the Principal Investigator/Co-Investigator (*kenkyu-buntansha*) has received (including KAKENHI, research funding provided by his or her research institution, research funding paid by any ministry/office, local public organization, research promotion corporation, private corporation and any current research funding). Classify the grants into KAKENHI and others. The following should be taken into consideration:

1) For each research funding, state the research category (name of the system for research funding other than KAKENHI), period (fiscal year), title of the research project, whether the applicant is the Principal Investigator or Co-Investigator (*kenkyu-buntansha*), eligible costs (direct costs) of the research. Also give a clear statement of the research achievements and interim and after-the-fact assessment results (only to be made by the funding organizations). (If there are research progress assessment results for KAKENHI in FY2015 or in FY2016, they should be described in the section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment" on Scientific Research A/B (General) -11.)

2) The applicant should describe them and make a distinction by drawing a line between KAKENHI and other research funding.

Connection between the Research Plan and the Research Project which received a Research Progress Assessment

- If the Principal Investigator of the current application received a research progress assessment in FY2015 or in FY2016, as a Principal Investigator of "Specially Promoted Research" or "Scientific Research (S)", he or she should describe it in this section.
- The researcher should describe the connection between the research plan and the research project which received a research progress assessment in this section (e.g. what kind of connection is there, how the researcher will advance the research which received a research progress assessment in concrete terms, etc.).

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for Grants-in-Aid for Scientific Research)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Rationality and Justification of the Research Costs

The applicant should explain the rationality, necessity and grounds for calculating the research cost to be stated on the following page and thereafter, based on the scale and organization of the research given in *Research Plan and Method*. Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year.

(Unit: thousands of yen)

FY	Item and Specifications (unit price × qty) (institute where equipment is installed)	Amount	Item	Amount
	Statement of Costs for Equipment See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (General)"		**Statement of Costs for Consumables** See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (General)"	
2017				
	Statement of Costs for Equipment See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for		**Statement of Costs for Consumables** See Procedures for Preparing and Entering a Proposal for	

Statement of Costs for Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (General)"

FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
2017								

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the second screening (collegial screening) when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (General)".

   1) Fill in *Effort* with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.

   2) State the title of the research project at the beginning of *Research funding applied for*.

   3) In the case of a KAKENHI for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

   4) Include research funding to be competitively provided by the research institution to which the researcher belongs.

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator or (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Scientific Research ( ) (General) (2017-____)		Principal Investigator	( )		(total budget in thousands of yen)

Application for Research Funding, Current State of Funding and Effort (continued)

(2) Research Funding to be Provided

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)

(3) Other Activities

State the effort for the research and educational activities that are carried out as work other than the aforesaid research activities being applied for or to be funded.

Total				100 (%)	
Total of the effort in (1), (2) and (3) above					

Form S-1-8

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (General)" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

Moreover, since KAKENHI (Multi-year Fund) will be provided for "Scientific Research (C) (General)", it becomes for example possible to procure goods across fiscal years, when implementing the research funding. Therefore, it is also possible to draft a research plan while bearing in mind that it is possible to procure goods across fiscal years. (Please refer to the Application Procedures.)

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

> ※ **This proposal for grant-in-aid is to be used when applying for "Scientific Research (C) (General)", "New Application" (including an application for a grant for the fiscal year before the final fiscal year of a research plan)".**
>
> ※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures. Moreover, please refer to the Application Procedures for a definition of the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*), the Co-Investigator (*renkei-kenkyūsha*) and the Research Collaborator.**
>
> ※ **No modifications can be made to the prescribed form.**
>
> ※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System Projects Funded by KAKENHI (hereinafter called "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY 2017 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research (S/A/B/C)", "Challenging Research（Pioneering/Exploratory）", "Grant-in-Aid for Young Scientists (A/B)", Continued Research Projects)".

(To be entered in the website)
1. New or continued
2. Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan
3. Item Number
4. Screening Sub-panel Number
5. Keywords from Keyword List, Other Keywords
6. Name of the Principal Investigator
7. Position, Academic Unit, and Research Institution of the Principal Investigator
8. Title of Proposed Project
9. Budget of Proposed Project
10. Wish for Disclosure of Screening Results
11. Project Members

II. File of Details of Application (items of attached file)

The following items are information about the "File of Details of Application (items of attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File of Details of Application (items of attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic application system". (Files above 3 MB cannot be attached.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger should be used for (1), (2), (3), (5) and (6) below.

In addition, please take note that <u>the following research projects are not eligible.</u>

 ① Research projects which merely aim at purchasing ready-made research equipment.

 ② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

 ③ Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).

 ④ Funded research which is carried out as commercial business.

 ⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The section "Purpose of the Research, Research Plan and Method, Research Funding Received and Achievements, and Rationality and Justification of the Research Costs"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(2) The section "State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens"

It should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, the researchers should explain the research achievements in an easily comprehensible way, since KAKENHI are funded by the tax of citizens. Therefore, they should state the way the research achievements will be disseminated to society and members of the public (e.g. creation of a website, preparation of pamphlets to publicize the research achievements, participation in open events, or planned publication through the mass media).

(3) The section "Entries when Applying for a Grant for the Final Year of a Research Plan"

If the applicant is making a new "application for the fiscal year before the final fiscal year of a research plan" (cf. procedures for application), he or she should state the fact, in accordance with

the instructions given in the proposal for grant-in-aid.

(4) The section "Research Achievements"

The applicant should enter them in accordance with the instructions given in the proposal for grant-in-aid. (Pages cannot be added.) Moreover, if he or she owns intellectual property rights, including industrial property rights, he or she should state them (e.g. patent application number).

(5) The section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment"

If the Principal Investigator of "Specially Promoted Research"or"Scientific Research (S)" received a research progress assessment in FY2015 or in FY2016, he or she should describe it in this section, in accordance with the instructions given in the proposal for grant-in-aid.

(6) The section "Protection of Human Rights and Compliance with the Laws and Regulations"

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(7) In **the section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(8) In the **section "Statement of Costs for Consumables"**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them for each fiscal year, and add the total sum.

(9) In the **section "Statement of Costs for Travel Expenses"**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payment to temporary staff agencies.
(Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

3) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles, experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, and preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost).

(10) The section "Application for Research Funding, Current State of Funding and Effort"
The applicant should enter the state of respectively "(1) research funding applied for", "(2) research funding to be provided" and "(3) other activities" at the time of application by the Principal Investigator, taking into account the following points.
・In the section "(1) research funding applied for" and "(2) research funding to be provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.
・Distinguish between sources of research funding, if there is more than one.
・The applicant should include research funding that is competitively delivered within the research

institution to which he or she belongs in "(1) research funding applied for" or "(2) research funding to be provided".

・The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) research funding applied for" or "(2) research funding to be provided". The effort for the research activities using such funding should be entered in "(3) other activities".

Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) other activities", if applicable.

・If the applicant is a Fellow of the Japan Society for the Promotion of Science (JSPS Research Fellow) (SPD, PD, RPD) and is scheduled to receive a Grant-in-Aid for JSPS Fellows in FY2017, he or she should enter this in "(2) Research funding to be provided". Moreover, the grant-in-aid that is paid monthly by JSPS (research implementation costs) should not be entered.

1) "Funding system and name of the research funding (research period and name of the funding organization)"

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a proposed research project), whether planned research or invited research), and the research period. Moreover, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

    (Example 1) Screening division "General" in "Scientific Research" (C) with a research period from FY2016 to FY2019
        → Scientific Research (C) (General) (FY2016 to FY2019)

    (Example 2) "Challenging Research（Exploratory）" with a research period from FY2017 to FY2019
        → Challenging Research（Exploratory）(FY2017 to FY2019)

    (Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)" with a research period from FY2017 to FY2021
        → Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)

    (Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to FY2018
        → Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) "Title of the research project (name of the Principal Investigator)"

The applicant should enter the title of the proposed project. Moreover, if the applicant participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the names of the Principal Investigator of the research project in question and others in parentheses.

3) "Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"

The applicant should enter "Principal Investigator", if the role of the researcher in question is Principal Investigator, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*).

4) "Budget for FY2017 (throughout the period) (Unit: Thousands of yen)"

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period in the section "Differences in details of research and reasons for additional application for a grant for the current research project".

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

The applicant should put a dash ("−") when stating a research category for which duplicate applications are permitted but not both of them are selected at the same time (e.g. Specially Promoted Research) for KAKENHI.

Moreover, in case he or she is conducting research using a competitive funding system, he or she

should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the "effort" again, and register it in e-Rad.

6) "Differences in details of research and reasons for additional application for a grant for the current research project"

The applicant should clearly enter the differences in the details of research between the research supported by a grant under application or to be approved, on the one hand, and the present research project, on the other hand, and the reasons for the application for a grant for the present research project, in addition to any other research funding. Highlight only key points when entering this information.

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period.

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Form S-1-8: File of Details of Application (items of attached file)

Purpose of the Research

The applicant shall indicate the general nature of the research and the specific purpose of the research, after succinctly summarizing it and providing an outline at the beginning, and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

   1) Scientific background for the research (e.g., domestic and overseas trends related to the research and positioning of the research; how the applicant has reached the concept based on his or her achievements in earlier research work; and details of achievements of past research work where the purpose of this project is to attain a greater level of knowledge in a similar area)

   2) What will be elucidated and to what extent will it be pursued during the research period

   3) Scientific characteristics, originality and expected results and significance of the research in the area

Purpose of the Research (Outline) ∗ **Concerning the Purpose of the Research Project, the applicant should succinctly summarize and describe in detail.**

Purpose of the Research (continued)

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Purpose of the Research (continued)

Research Plan and Method

The applicant should provide details of the research plan and the methods for achieving the objectives of the research in a clear and specific manner, <u>after succinctly summarizing it and providing an outline at the beginning.</u> The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed and main points focused on. The plan and methods should indicate achievements through a discussion from different angles, such as the action in the event that the research does not progress as originally planned. Where the research plan is being implemented by a group, indicate the specific roles of the Principal Investigator and Co-Investigator (*kenkyu-buntansha*) of the research team (using figures, tables and other visual aids). Include the necessity and rationality of the research group, and the relationship to the purpose of the research from the scientific viewpoint.

In addition, in order to clearly indicate the general view of the research team, state the roles of Co-Investigators (*renkei-kenkyusha*) and Research Collaborators [overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (the names and the number of members may be stated)] as needed.

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

Research Plan and Method (Outline) *Concerning the Research Plan and Method to accomplish the Purpose of the Research, the applicant should succinctly summarize and describe in detail.

Research Plan and Method (continued)

Research Plan and Method (continued)

State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens

The following points should be highlighted and stated in a clear and specific manner:

1) The current state of research environment, such as research facilities, equipment and materials that are to be used in conducting the research

2) The state of preparation for starting the research, such as coordination and contact with research members, in case there are Co-Investigator(s) (*kenkyu-buntansha*) (This should also be stated if appropriate in the case that there are Co-Investigators (*renkei-kenkyusha*) and/or Research Collaborators.)

3) How the research achievements are disseminated to society and members of the public

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Entries when Applying for a Grant for the Final Year of a Research Plan

[It is essential that this is filled in by the relevant applicants. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

The applicant should indicate the initial research plan of a continued research project having FY2017 as the final year in which the applicant participates as the Principal Investigator. The applicant should also state new findings in the research and other research achievements and reasons for the new application based on a reconstruction (e.g., the degree to which the research has been developed and a justification of the cost). (Do not include the research achievements of the continued research project stated here in *Research funding received and achievements* on Scientific Research C (General) - 8.)

Research Category	Project Number	Title of a Research Project	Research Period
			From FY____ to FY2017

Initial Research Plan and Results

Reasons for Applying

Research Achievements

The applicant should fill in the important **research papers/articles, books, industrial property rights and invited lectures** the Principal Investigator and Co-Investigator(s) (*kenkyū-buntansha*) presented up to the present relating to the research in the sequence of publication from new to old with serial numbers assigned. Lines should be drawn between groups of research papers and others published in the same calendar year to separate them. (The lines can be moved.) Forthcoming research papers/articles in academic journals may be included, only if they have been accepted for publication.

In addition, if the need arises, it is also possible to fill in the recent research activities of the Co-Investigators (*renkei-kenkyusha*). If the recent research activities are filled in, double lines should be drawn to distinguish between them. (The double lines can be moved.) They should be filled in per researcher in the sequence of publication from new to old. (It is not necessary to draw lines between every year.)

Moreover, enter research achievements focusing primarily on achievements from 2012 onward. It is also acceptable to enter research paper or other achievement (up to ten items), which are closely related to the current research, or which are key ones that you published up to the present, even if they were published before 2012.

  1) For published research papers/articles, state the title, the names of authors, name of the journal, referee reading (or not), volume, page numbers of the initial and final pages and the year of publication.

  2) The abovementioned sequence of such items is not compulsory as long as all of the items are included. If there are many authors, only include several authors omitting others (if any authors' names are omitted, state the number of the authors and the order on the author list for the related researchers). The Principal Investigator should be marked with a double underline, Co-Investigator(s) (*kenkyu-buntansha*) with a single underline, and the Co-Investigator(s) (*renkei-kenkyusha*) with a dotted underline.

2016 onward

2015

2014

Research Achievements (continued)

2013

2012

before 2011

Research Funding Received and Achievements

State the achievements of funded research that is being effectively used for planning the current research from the grants that the Principal Investigator/Co-Investigator (*kenkyu-buntansha*) has received (including KAKENHI, research funding provided by his or her research institution, research funding paid by any ministry/office, local public organization, research promotion corporation, private corporation and any current research funding). Classify the grants into KAKENHI and others. The following should be taken into consideration:

1) For each research funding, state the research category (name of the system for research funding other than KAKENHI), period (fiscal year), title of the research project, whether the applicant is the Principal Investigator or Co-Investigator (*kenkyu-buntansha*), eligible costs (direct costs) of the research. Also give a clear statement of the research achievements and interim and after-the-fact assessment results (only to be made by the funding organizations). (If there are research progress assessment results for KAKENHI in FY2015 or in FY2016, they should be described in the section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment" on Scientific Research C (General) -9.)

2) The applicant should describe them and make a distinction by drawing a line between KAKENHI and other research funding.

Connection between the Research Plan and the Research Project which received a Research Progress Assessment

● If the Principal Investigator of the current application received a research progress assessment in FY2015 or in FY2016, as a Principal Investigator of "Specially Promoted Research" or "Scientific Research (S)" , he or she should describe it in this section.

● The researcher should describe the connection between the research plan and the research project which received a research progress assessment in this section (e.g. what kind of connection is there, how the researcher will advance the research which received a research progress assessment in concrete terms, etc.).

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for **Grants-in-Aid for Scientific Research)**

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Rationality and Justification of the Research Costs

The applicant should explain the rationality, necessity and grounds for calculating the research cost to be stated on the following page and thereafter, based on the scale and organization of the research given in *Research Plan and Method*. Indicate the necessity of the cost (e.g. breakdown) if, In case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year.

(Unit: thousands of yen)

	Statement of Costs for Equipment See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (General)"		Statement of Costs for Consumables See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (General)"	
FY	Item and Specifications (unit price × qty) (institute where equipment is installed)	Amount	Item	Amount
2017				

(Unit: thousands of yen)

FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
2017								

Statement of Costs for Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (General)"

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the second screening (collegial screening) when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (General)".

   1) Fill in *Effort* with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.

   2) State the title of the research project at the beginning of *Research funding applied for*.

   3) In the case of a KAKENHI for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

   4) Include research funding to be competitively provided by the research institution to which the researcher belongs.

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Scientific Research (C) (General) (2017-____)		Principal Investigator	( )		(total budget in thousands of yen)

Application for Research Funding, Current State of Funding and Effort (continued)
(2) Research Funding to be Provided

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)

(3) Other Activities
State the effort for the research and educational activities that are carried out as work other than the aforesaid research activities being applied for or to be funded.

Total				100 (%)	
Total of the effort in (1), (2) and (3) above					

Form S-1-9

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (Overseas Academic Research)" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

※ **This proposal for grant-in-aid is to be used when applying for "Scientific Research (A/B) (Overseas Academic Research)", "New Application" (including an application for a grant for the fiscal year before the final fiscal year of a research plan)".**

※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures. Moreover, please refer to the Application Procedures for a definition of the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*), the Co-Investigator (*renkei-kenkyūsha*) and the Research Collaborator.**

※ **No modifications can be made to the prescribed form.**

※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter called

"Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY2017 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research(S/A/B/C)", "Challenging Research（Pioneering/Exploratory）", "Grant-in-Aid for Young Scientists (A/B)", Continued Research Projects)".

(To be entered in the website)

1. New or continued
2. Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan
3. Requested Area for Screening
4. Related Areas for Screening
5. Name of the Principal Investigator
6. Position, Academic Unit, and Research Institution of the Principal Investigator
7. Title of Proposed Project
8. Budget of Proposed Project
9. Wish for Disclosure of Screening Results
10. Project Members

II. File of Details of Application (items of attached file)

The following items are information about the "File of Details of Application (items of attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File of Details of Application (items of attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic application system". (Files above 3 MB cannot be attached.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger should be used for (1), (2), (3), (6) and (7) below.

In addition, please take note that the following research projects are not eligible.

① Research projects which merely aim at purchasing ready-made research equipment.

② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

③ Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).

④ Funded research which is carried out as commercial business.

⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The section "Purpose of the Research, Research Plan and Method, Research Funding Received and Achievements, and Rationality and Justification of the Research Costs"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(2) The section "State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens"

It should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, the researchers should explain the research achievements in an easily comprehensible way, since KAKENHI are funded by the tax of citizens. Therefore, they should state the way the research achievements will be disseminated to society and members of the public (e.g. creation of a website, preparation of pamphlets to publicize the research achievements, participation in open events, or planned publication through the mass media).

(3) The section "Entries in the Case of Application for a Grant for the Final Year of a Research Plan"

If the applicant is making a new "application for the fiscal year before the final fiscal year of a research plan" (cf. procedures for application), he or she should state the fact, in accordance with the instructions given in the proposal for grant-in-aid.

(4) The section "Duplicate Applications"

When the Principal Investigator of the research project for which the current application is being made also applies for "Scientific Research", screening division "General" (including continued

research projects) as a Principal Investigator (cf. procedures for application), he or she should describe this, according to the instructions mentioned in the proposal for grant-in-aid. (If this does not apply, he or she should leave this section blank.)

(5) The section "Research Achievements"

The applicant should enter them in accordance with the instructions given in the proposal for grant-in-aid. (Pages cannot be added.) Moreover, if he or she owns intellectual property rights, including industrial property rights, he or she should state them (e.g. patent application number).

(6) The section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment"

If the Principal Investigator of "Specially Promoted Research"or "Scientific Research (S)" received a research progress assessment in FY2015 or in FY2016, he or she should describe it in this section, in accordance with the instructions given in the proposal for grant-in-aid.

(7) The section "Protection of Human Rights and Compliance with the Laws and Regulations"

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(8) In **the section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(9) In the **section "Statement of Costs for Consumables"**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them

for each fiscal year, and add the total sum.

(10) In the **section "Statement of Travel Expenses"**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payment to temporary staff agencies.
   (Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

3) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles, experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, and preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost).

(11) The section "Application for Research Funding, the Current State of Funding and Effort"
   The applicant should enter the state of respectively "(1) research funding applied for", "(2) research funding to be provided" and "(3) other activities" at the time of application by the Principal Investigator, taking into account the following points.
   ・In the section "(1) research funding applied for" and "(2) research funding to be provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.
   ・Distinguish between sources of research funding, if there is more than one.

・The applicant should include research funding that is competitively delivered within the research institution to which he or she belongs in "(1) research funding applied for" or "(2) research funding to be provided".

・The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) research funding applied for" or "(2) research funding to be provided". The effort for the research activities using such funding should be entered in "(3) other activities".

Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) other activities", if applicable.

・If the applicant is a Fellow of the Japan Society for the Promotion of Science (JSPS Research Fellow) (SPD, PD, RPD) and is scheduled to receive a Grant-in-Aid for JSPS Fellows in FY2017, he or she should enter this in "(2) Research funding to be provided". Moreover, the grant-in-aid that is paid monthly by JSPS (research implementation costs) should not be entered.

1) **"Funding system and name of the research funding (research period and name of the funding organization)"**

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a proposed research project), whether planned research or invited research), and the research period. However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

(Example 1) Screening division "General" in "Scientific Research" (C) with a research period from FY2016 to FY2019
→ Scientific Research (C) (General) (FY2016 to FY2019)

(Example 2) "Challenging Research（Exploratory）" with a research period from FY2017 to FY2019
→ Challenging Research（Exploratory）(FY2017 to FY2019)

(Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)" with a research period from FY2017 to FY2021
→Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)

(Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to FY2018
→ Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) **"Title of the research project (name of the Principal Investigator)"**

The applicant should enter the title of the proposed project. Moreover, if the applicant

participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the names of the Principal Investigator of the research project in question and others in parentheses.

3) "Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"

The applicant should enter "Principal Investigator", if the role of the researcher in question is Principal Investigator, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*).

4) "Budget for FY2017 (throughout the period) (Unit: Thousands of yen)"

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period. in   of the section "Differences in details of research and reasons for additional application for a grant for the current research project"

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

Moreover, the applicant should put a dash ("−") when stating a research category for which duplicate applications are permitted but not both of them are selected at the same time (e.g. Specially Promoted Research) for KAKENHI.

Moreover, in case he or she is conducting research using a competitive funding system, he or she should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the

"effort" again, and register it in e-Rad.

6) "Differences in details of research and reasons for additional application for a grant for the current research project"

The applicant should clearly enter the differences in the details of research between the research supported by a grant under application or to be approved, on the one hand, and the present research project, on the other hand, and the reasons for the application for a grant for the present research project, in addition to any other research funding. Highlight only key points when entering this information.

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period.

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Form S-1-9: File of Details of Application (items of attached file)

Purpose of the Research

The applicant shall indicate the general nature of the Overseas Academic Research (research projects having as their major purpose in terms of research subject and research methods conducting a field survey, observation, or collecting data at a specific location overseas), and the specific purpose of the research, <u>after succinctly summarizing it and providing an outline at the beginning,</u> and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

  1) Scientific background for the research (e.g. domestic and overseas trends related to the research and positioning of the research; how the applicant has reached the concept based on his or her achievements in earlier research work; and details of achievements of earlier research work where the purpose of this project is to attain a greater level of knowledge in a similar area)

  2) What will be elucidated and to what extent will it be pursued during the research period

  3) Scientific characteristics, originality and expected results and significance of the research in the area

Purpose of the Research (Outline) ∗ **Concerning the Purpose of the Research Project, the applicant should succinctly summarize and describe in detail.**

Purpose of the Research (continued)

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Purpose of the Research (continued)

Research Plan and Method

The applicant should provide details of the research plan and the methods for achieving the objectives of the research, <u>after succinctly summarizing it and providing an outline at the beginning</u>. The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed. The plan and methods should indicate achievements through a discussion from different angles, such as the action in the event that the research does not progress as originally planned. In addition, the following points should be highlighted:

  1) Regions and countries where surveys are conducted, and travel routes.

  2) Where the research plan is being implemented by a group, indicate the specific roles of the Principal Investigator and the Co-investigator(s) (*kenkyu-buntansha*) of the research team (using figures, tables and other visual aids). Include the necessity and rationality of the project members, and the relationship to the purpose of the research from a scientific viewpoint.

In addition, in order to clearly indicate the general view of the research team, state the roles of Co-Investigators (*renkei-kenkyusha*) and Research Collaborators [overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (the names and the number of members may be stated)] as needed.

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

Research Plan and Method (Outline) **＊Concerning the Research Plan and Method to accomplish the Purpose of the Research, the applicant should succinctly summarize and describe in detail.**

Research Plan and Method (continued)

196

Research Plan and Method (continued)

Research Plan and Method (continued)

197

Research Plan and Method (continued)

State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens

The following points should highlighted and stated in a clear and specific manner:

1) The current state of research environment, such as research facilities, equipment and materials that are to be used in conducting the research

2) The state of preparation for starting the research, such as coordination and contact with project members, in case there are Co-Investigators (*kenkyu-buntansha*) (This should also be stated as appropriate in the case that there are Co-Investigators (*renkei-kenkyusha*) and/or Research Collaborators.)

3) How the research achievements are disseminated to society and members of the public

Entries in the Case of Application for a Grant for the Final Year of a Research Plan

[It is essential that this is filled in by the relevant applicants. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

The applicant should indicate the initial research plan of a continued research project having FY2017 as the final year in which the applicant participates as the Principal Investigator. The applicant should also state new findings in the research and other research achievements and reasons why the applicant restructures the research plan in the light of developments in the research in question, and applies for the research this time (e.g., the degree to which the research has been developed and a justification of the cost). (Do not include the research achievements of the continued research project stated here in *Research funding received and achievements* on Scientific Research A/B (Overseas) - 11.)

Research Category	Project Number	Title of Research Project	Research Period
			From FY____ to FY2017

Initial Research Plan and Research Achievements

Reasons for Application

Duplicate Applications
Be sure to fill in the following where applicable. (cf. Application Procedures for Grants-in-Aid for Scientific Research)

This and the following pages should be filled out if (1) the same researcher is applying as a Principal Investigator for grants for two new research projects within the same fiscal year that differ in research purpose or research plan/method and come under the screening categories of "General" and "Overseas Academic Research" respectively, or if (2) a researcher engaged in a continuing research project under the screening category "General" applies for a grant for a new project under the screening category "Overseas Academic Research."

Leave these pages blank if not applicable; that is, if you are not applying for a new project under the screening category "General" or not engaged in a continuing project under the screening category "General."

Screening Division: General	Research Category Division	A/B/C

Research Project	

Research Period	From FY ___ to FY ___

	FY2017	FY2018	FY2019	FY2020	FY2021
Budget Applied for, For a New Research Project	000 yen	000 yen	000 yen	000 yen	000 yen
Breakdown for a Continued Research Project	000 yen	000 yen	000 yen	000 yen	

Project Members (Principal Investigator and Co-Investigator(s) (*kenkyu-buntansha*))

Name (Age)	Institution, Academic Unit, Position	Field of Specialization	Academic Degree	Role (Shared responsibility shared in the research implementation plan)	Budget for FY2017

Research Purpose and Outline

Duplicate Applications (continued)

Differences in Details of Research between Screening Division: "General" and "Overseas Academic Research"

Reasons Why the Same Researcher Applies for Grants for the Categories "General" and "Overseas Academic Research" as a Principal Investigator

Research Achievements

The applicant should fill in the important **research papers/articles, books, industrial property rights and invited lectures** the Principal Investigator and Co-Investigator(s) (*kenkyū-buntansha*) presented up to the present relating to the research in the sequence of publication from new to old with serial numbers assigned. Lines should be drawn between groups of research papers and others published in the same calendar year to separate them. (The lines can be moved.) Forthcoming research papers/articles in academic journals may be included, only if they have been accepted for publication.

In addition, if the need arises, it is also possible to fill in the recent research activities of the Co-Investigators (*renkei-kenkyusha*). If the recent research activities are filled in, double lines should be drawn to distinguish between them. (The double lines can be moved.) They should be filled in per researcher in the sequence of publication from new to old. (It is not necessary to draw lines between every year.)

Moreover, enter research achievements focusing primarily on achievements from 2012 onward. It is also acceptable to enter research paper or other achievement (up to ten items), which are closely related to the current research, or which are key ones that you published up to the present, even if they were published before 2012.

1) For published research papers/articles, state the title, the names of authors, name of the journal, referee reading (or not), volume, page numbers of the initial and final pages and the year of publication.

2) The abovementioned sequence of such items is not compulsory as long as all of the items are included. If there are many authors, only include several authors omitting others (if any authors' names are omitted, state the number of the authors and the order on the author list for the related researchers). The Principal Investigator should be marked with a double underline, Co-Investigator(s) (*kenkyu-buntansha*) with a single underline, and the Co-Investigator(s) (*renkei-kenkyusha*) with a dotted underline.

2016 onward

2015

2014

Research Achievements (continued)

2013

2012

before 2011

Research Funding Received and Achievements

State the achievements of funded research that is being effectively used for planning the current research from the grants that the Principal Investigator / Co-Investigator (*kenkyu-buntansha*) has received (including KAKENHI, research funding delivered by the research institution to which the researcher belongs, research funding by any ministry/office, local public organization, research promotion corporation, private corporation, including the current funding). Classify the achievements into KAKENHI and others. The following should be taken into account.

1) For each research funding, clearly state research category (name of funding system for others than KAKENHI), period (fiscal year), title of the research project, whether a researcher is the Principal Investigator or a Co-Investigator (*kenkyu-buntansha*), and eligible costs (direct cost) and describe the research achievements and interim and post-fact assessment results (to be made by the related funding organization). (If there are research progress assessment results for KAKENHI in FY2015 or in FY2016, they should be described in the section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment" on Scientific Research A/B (Overseas) - 12.)

2) The applicant should describe them and make a distinction by drawing a line between KAKENHI and other research funding.

Connection between the Research Plan and the Research Project which received a Research Progress Assessment

- If the Principal Investigator of the current application received a research progress assessment in FY2015 or in FY2016, as a Principal Investigator of "Specially Promoted Research" or "Scientific Research (S)", he or she should describe it in this section.
- The researcher should describe the connection between the research plan and the research project which received a research progress assessment in this section (e.g. what kind of connection is there, how the researcher will advance the research which received a research progress assessment in concrete terms, etc.).

Protection of Human Rights and Compliance with Laws and Regulations

[It is essential that the relevant applicants fill in this section. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Rationality and Justification of the Research Costs

The applicant should explain the rationality, necessity and grounds for calculating the research costs to be stated on the following page and thereafter, based on the scale and organization of the research given in *Research Plan and Methods*. Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year.

(Unit: thousands of yen)

	Statement of Costs for Equipment See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (Overseas Academic Research)"			**Statement of Costs for Consumables** See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (Overseas Academic Research)"	
FY	Item and Specifications (Unit price × qty) (institute where equipment is installed)		Amount	Item	Amount
2017					
	See Procedures for Preparing and Entering a Proposal for Grant-in-Aid			See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (Overseas Academic Research)"	

(Unit: thousands of yen)

Statement of Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (Overseas Academic Research)"								
FY	Domestic travel Expenses		Overseas travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
2017								

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the collegial screening when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (A/B) (Overseas Academic Research)".

1) Fill in *Effort* with a percentage of allocation time (%) necessary for implementation of the research provided that the entire yearly working time is set at 100%.

2) State the title of the research project at the beginning of *Research funding applied for*.

3) In the case of a KAKENHI for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

4) Include research funding to be competitively delivered by the research institution to which a researcher belongs.

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Scientific Research ( ) (Overseas Academic Research) (2017-____)		Principal Investigator	( )		(total budget in thousands of yen)

Application for Research Funding, Current State of Funding and Effort (continued)						
(2) Research Funding to be Provided						
Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
(3) Other Activities State the effort for research and educational activities that are carried out as other work than the aforesaid research activities under application or to be funded.					
Total Total of the effort in (1), (2) and (3) above				100 (%)	

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (B) (Generative Research Fields)" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

Moreover, concerning "Scientific Research (B) (Generative Research Fields), due through the provision of a KAKENHI (Multi year Fund) it is now possible to procure goods across fiscal years.

Therefore, it is also possible to draft a research plan bearing in mind that it is possible to procure goods across fiscal years (Please refer to the Application Procedures)

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

※ **This proposal for grant-in-aid is to be used when applying for "Scientific Research (B) (Generative Research Fields)", "New Application".**

※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures. Moreover, please refer to the Application Procedures for a definition of the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*), the Co-Investigator (*renkei-kenkyūsha*) and the Research Collaborator.**

※ **No modifications can be made to the prescribed form.**

※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter called "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY2017 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research (S/A/B/C)", "Challenging Research （Pioneering/Exploratory）", "Grant-in-Aid for Young Scientists (A/B)", Continued Research Projects)".

(To be entered in the website)

1. Area
2. Keyword
3. Name of the Principal Investigator
4. Position, Academic Unit, and Research Institution of the Principal Investigator
5. Title of Proposed Project
6. Research Abstract
7. Budget of Proposed Project
8. Wish for Disclosure of Screening Results
9. Contact Information of the Principal Investigator
10. Project Members

II. File of Details of Application (items of attached file)

The following items are information about the "File of Details of Application (items of attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File of Details of Application (items of attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic

application system". (Files above 3 MB cannot be attached.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger should be used for (1), (2), (3), (4) and (6) below.

In addition, please take note that the following research projects are not eligible.

① Research projects which merely aim at purchasing ready-made research equipment.

② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

③ Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).

④ Funded research which is carried out as commercial business.

⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The section "Proposal for Grant-in-aid (Outline)", "Reasons for applying under the Generative Research Field", and "Major Research Achievements"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(2) The section "Purpose of the Research", "Research Plan and Method", "Research Funding Received and Achievements", and "Rationality and Justification of the Research Costs"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid. Please remember to delete the "Points of Concern" in the "Purpose of the Research" entry column.

(3) The section "State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens"

It should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, the researchers should explain the research achievements in an easily comprehensible way, since KAKENHI are funded by the tax of citizens. Therefore, they should state the way the research achievements will be disseminated to society and members of the public (e.g. creation

of a website, preparation of pamphlets to publicize the research achievements, participation in open events, or planned publication through the mass media).

(4) **The section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment"**

If the Principal Investigator of "Specially Promoted Research"or "Scientific Research (S)" received a research progress assessment in FY2015 or in FY2016, he or she should describe it in this section, in accordance with the instructions given in the proposal for grant-in-aid.

(5) **The section "Research Achievements"**

The applicant should enter them in accordance with the instructions given in the proposal for grant-in-aid. (Pages cannot be added.) Moreover, if he or she owns intellectual property rights, including industrial property rights, he or she should state them (e.g. patent application number).

(6) **The section "Protection of Human Rights and Compliance with Laws and Regulations"**

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(7) In **the section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(8) In **the section "Statement of Costs for Consumables"**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them for each fiscal year, and add the total sum.

(9) In **the section "Statement of Costs for Travel Expenses"**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payment to temporary staff agencies.
(Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

3) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles, experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost).

(10) **The section "Application for Research Funding, Current State of Funding and Effort"**
The applicant should enter the state of respectively "(1) research funding applied for", "(2) research funding to be provided" and "(3) other activities" at the time of application by the Principal Investigator, taking into account the following points.
・In the section "(1) research funding applied for" and "(2) research funding to be provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.
・Distinguish between sources of research funding, if there is more than one.
・The applicant should include research funding that is competitively delivered within the research

institution to which he or she belongs in "(1) research funding applied for" or "(2) research funding to be provided".

・The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) research funding applied for "or "(2) research funding to be provided". The effort for the research activities using such funding should be entered in "(3) other activities".

Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) other activities", if applicable.

・If the applicant is a Fellow of the Japan Society for the Promotion of Science (JSPS Research Fellow) (SPD, PD, RPD) and is scheduled to receive a Grant-in-Aid for JSPS Fellows in FY2017, he or she should enter this in "(2) Research funding to be provided". Moreover, the grant-in-aid that is paid monthly by JSPS (research implementation costs) should not be entered.

1) **"Funding system and name of the research funding (research period and name of the funding organization)"**

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, <u>in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a proposed research project), whether planned research or invited research), and the research period.</u> However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

    (Example 1) Screening division "General" in "Scientific Research" (C) with a research period from FY2016 to FY2019
        → Scientific Research (C) (General) (FY2016 to FY2019)

    (Example 2) "Challenging Research（Exploratory）" with a research period from FY2017 to FY2019
        → Challenging Research（Exploratory）(FY2017 to FY2019)

    (Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)" with a research period from FY2017 to FY2021
        → Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)

    (Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to FY2018
        → Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) **"Title of the research project (name of the Principal Investigator)"**

The applicant should enter the title of the proposed project. Moreover, if the applicant participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the

names of the Principal Investigator of the research project in question and others in parentheses.

3) "Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"

The applicant should enter "Principal Investigator", if the role of the researcher in question is Principal Investigator, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*).

4) "Budget for FY2017 (throughout the period) (Unit: Thousands of yen)"

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should fill in the total amount of the direct cost for the whole research period. in the section "Differences in details of research and reasons for additional application for a grant for the current research project".

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

The applicant should put a dash ("−") when stating a research category for which duplicate applications are permitted but not both of them are selected at the same time (e.g. Specially Promoted Research) for KAKENHI.

Moreover, in case he or she is conducting research using a competitive funding system, he or she should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the "effort" again, and register it in e-Rad.

6) "Differences in details of research and reasons for additional application for a grant for the current research project"

The applicant should clearly enter the differences in the details of research between the research supported by a grant under application or to be approved, on the one hand, and the present research project, on the other hand, and the reasons for the application for a grant for the present research project, in addition to any other research funding. Highlight only key points when entering this information.

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period.

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Form T-1-1: File of Details of Application (items of attached file)

Scientific Research B (Generative Research Fields) – Outline 1

Proposal for Grant-in-aid (Outline)

The Applicant should clearly and succinctly summarize and describe the details of Scientific Research B (Generative Research Fields) – 1 "Purpose of the Research" and Scientific Research B (Generative Research Fields) – 3 "Research Plan and Method".

* The paper review is carried out with only "Application Information (to be entered in the website)", this "the Proposal for Grant-in-aid (Outline)", "Reasons for applying under the Generative Research Field" and "Major Research Achievements", in case. Therefore, when filling them, be sure that reviewers can sufficiently understand the research project only with the information provided.

Outline of "Purpose of the Research" and "Research Plan and Method"

Outline of "Purpose of the Research" and "Research Plan and Method" (continued)

Reasons for applying under the Generative Research Field

The applicant should provide details, in a clear and specific manner, of the reasons why they are applying for a research project under the Generative Research Field and that this is more suitable than applying under any other research field shown on "List of Categories, Areas, Disciplines and Research Fields for FY2017 Grants-in-Aid for Scientific Research".

Major Research Achievements

The applicant should fill in the major research achievements (up to five items) selected from the items written in Scientific Research B (Generative Research Fields) – 7 "Research Achievements", The Principal Investigator should be marked with a double underline, Co-Investigator(s) (*kenkyu-buntansha*) with a single underline, and Co-Investigator(s) (*renkei-kenkyusha*) with a dotted underline.

Purpose of the Research

The applicant shall indicate the general nature of the research and the specific purpose of the research and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

1) Scientific background for the research (e.g., domestic and overseas trends related to the research and positioning of the research; how the applicant has reached the concept based on his or her achievements in earlier research work; and details of achievements of past research work where the purpose of this project is to attain a greater level of knowledge in a similar area)

2) What will be elucidated and to what extent will it be pursued during the research period

3) Scientific characteristics, originality and expected results and significance of the research in the area

Purpose of the Research

Points of Concern

While it is possible to apply under several research categories at once, research plans for applications to Generative Research Fields, are limited to those that have no duplications with continuous research projects or research projects applied for in different categories.

(Note: please delete this paragraph on application)

Purpose of the Research (continued)

Purpose of the Research (continued)

Research Plan and Method

The applicant should provide details of the research plan and the methods for achieving the objectives of the research in a clear and specific manner. The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed and main points focused on. The plan and methods should indicate achievements through a discussion from different angles, such as the action in the event that the research does not progress as originally planned. Where the research plan is being implemented by a group, indicate the specific roles of the Principal Investigator and Co-Investigator (*kenkyu-buntansha*) of the research team (using figures, tables and other visual aids). In case the research plan is being implemented together with Co-Investigators (*kenkyu-buntansha*), include the necessity and rationality of the research group, and the relationship to the purpose of the research from the scientific viewpoint.

In addition, in order to clearly indicate the general view of the research team, state the roles of Co-Investigators (*renkei-kenkyusha*) and Research Collaborators [overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (the names and the number of members may be stated)] as needed.

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

Research Plan and Method

Research Plan and Method (continued)

Research Plan and Method (continued)

Research Plan and Method (continued)

State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens

The following points should be highlighted and stated in a clear and specific manner:

1) The current state of research environment, such as research facilities, equipment and materials that are to be used in conducting the research

2) The state of preparation for starting the research, such as coordination and contact with research members, in case there are Co-Investigator(s) (*kenkyu-buntansha*) (This should also be stated if appropriate in the case that there are Co-Investigators (*renkei-kenkyusha*) and/or Research Collaborators.)

3) How the research achievements are disseminated to society and members of the public

Connection between the Research Plan and the Research Project which received a Research Progress Assessment

- If the Principal Investigator of the current application received a research progress assessment in FY2015 or in FY2016, as a Principal Investigator of "Specially Promoted Research" or "Scientific Research (S)", he or she should describe it in this section.

- The researcher should describe the connection between the research plan and the research project which received a research progress assessment in this section (e.g. what kind of connection is there, how the researcher will advance the research which received a research progress assessment in concrete terms, etc.).

Research Achievements

The applicant should fill in the important **research papers/articles, books, industrial property rights and invited lectures** the Principal Investigator and Co-Investigator(s) (*kenkyū-buntansha*) presented up to the present relating to the research in the sequence of publication from new to old with serial numbers assigned. Lines should be drawn between groups of research papers and others published in the same calendar year to separate them. (The lines can be moved.) Forthcoming research papers/articles in academic journals may be included, only if they have been accepted for publication.

In addition, if the need arises, it is also possible to fill in the recent research activities of the Co-Investigators (*renkei-kenkyusha*). If the recent research activities are filled in, double lines should be drawn to distinguish between them. (The double lines can be moved.) They should be filled in per researcher in the sequence of publication from new to old. (It is not necessary to draw lines between every year.)

Moreover, enter research achievements focusing primarily on achievements from 2012 onward. It is also acceptable to enter research paper or other achievement (up to ten items), which are closely related to the current research, or which are key ones that you published up to the present, even if they were published before 2012.

1) For published research papers/articles, state the title, the names of authors, name of the journal, referee reading (or not), volume, page numbers of the initial and final pages and the year of publication.

2) The abovementioned sequence of such items is not compulsory as long as all of the items are included. If there are many authors, only include several authors omitting others (if any authors' names are omitted, state the number of the authors and the order on the author list for the related researchers). The Principal Investigator should be marked with a double underline, Co-Investigator(s) (*kenkyu-buntansha*) with a single underline, and the Co-Investigator(s) (*renkei-kenkyusha*) with a dotted underline.

2016 onward

2015

Research Achievements (continued)

2014

2013

Research Activities (continued)
2012
before 2011
2012

Research Funding Received and Achievements

State the achievements of funded research that is being effectively used for planning the current research from the grants that the Principal Investigator/Co-Investigator (*kenkyu-buntansha*) has received (including KAKENHI, research funding provided by his or her research institution, research funding paid by any ministry/office, local public organization, research promotion corporation, private corporation and any current research funding). Classify the grants into KAKENHI and others. The following should be taken into consideration:

1) For each research funding, state the research category (name of the system for research funding other than KAKENHI), period (fiscal year), title of the research project, whether the applicant is the Principal Investigator or Co-Investigator (*kenkyu-buntansha*), eligible costs (direct costs) of the research. Also give a clear statement of the research achievements and interim and after-the-fact assessment results (only to be made by the funding organizations). (If there are research progress assessment results for KAKENHI in FY2015 or in FY2016, they should be described in the section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment" on Scientific Research B (Generative Research Fields) -6.)

2) The applicant should describe them and make a distinction by drawing a line between KAKENHI and other research funding.

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for Grants-in-Aid for Scientific Research)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Rationality and Justification of the Research Costs

The applicant should explain the rationality, necessity and grounds for calculating the research cost to be stated on the following page and thereafter, based on the scale and organization of the research given in *Research Plan and Method*. Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year.

(Unit: thousands of yen)

	Statement of Costs for Equipment		Statement of Costs for Consumables	
	See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (B) (Generative Research Fields)"		See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (B) (Generative Research Fields)"	
FY	Item and Specifications (unit price × qty) (institute where equipment is installed)	Amount	Item	Amount
2017				

(Unit: thousands of yen)

Statement of Costs for Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (B) (Generative Research Fields)"

FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
2017								

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the collegial screening when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (B) (Generative Research Fields)".

  1) Fill in *Effort* with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.

  2) State the title of the research project at the beginning of *Research funding applied for*.

  3) In the case of a KAKENHI for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

  4) Include research funding to be competitively provided by the research institution to which the researcher belongs.

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Scientific Research (B) (Generative Research Fields) (2017-____)		Principal Investigator	(　　　　)		(total budget　　　in thousands of yen)

Application for Research Funding, Current State of Funding and Effort (continued)

(2) Research Funding to be Provided

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)

(3) Other Activities

State the effort for the research and educational activities that are carried out as work other than the aforesaid research activities being applied for or to be funded.

Total				100 (%)	
Total of the effort in (1), (2) and (3) above					

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (Generative Research Fields)" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

Moreover, since up to 5 million yen out of the total research budget is provided as a KAKENHI (Multi-year Fund) for "Scientific Research (C) (Generative Research Fields)", it also becomes possible to procure goods across fiscal years within this scope, when implementing the research funding. Therefore, it is also possible to draft a research plan while bearing in mind that it is possible to procure goods across fiscal years. (Please refer to the Application Procedures.)

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

※ **This proposal for grant-in-aid is to be used when applying for "Scientific Research (C) (Generative Research Fields)", "New Application".**
※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures. Moreover, please refer to the Application Procedures for a definition of the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*), the Co-Investigator (*renkei-kenkyūsha*) and the Research Collaborator.**
※ **No modifications can be made to the prescribed form.**
※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter called "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY2017 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research (S/A/B/C)", "Challenging Research（Pioneering/Exploratory）", "Grant-in-Aid for Young Scientists (A/B)", Continued Research Projects)".

(To be entered in the website)

1. Area
2. Keyword
3. Name of the Principal Investigator
4. Position, Academic Unit, and Research Institution of the Principal Investigator
5. Title of Proposed Project
6. Research Abstract
7. Budget of Proposed Project
8. Wish for Disclosure of Screening Results
9. Contact Information of the Principal Investigator11. Project Members
10. Project Members

II. File of Details of Application (items of attached file)

The following items are information about the "File of Details of Application (items of attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File of Details of Application (items of attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic application system". (Files above 3 MB cannot be attached.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger should be used for (1), (2), (3), (4) and (6) below.

In addition, please take note that the following research projects are not eligible.

①　Research projects which merely aim at purchasing ready-made research equipment.

②　Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

③　Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).

④　Funded research which is carried out as commercial business.

⑤　Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The section "Proposal for Grant-in-aid (Outline)", "Reasons for applying under the Generative Research Field", and "Major Research Achievements"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(2) The section "Purpose of the Research, Research Plan and Method, Research Funding Received and Achievements, and Rationality and Justification of the Research Costs"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Please remember to delete the "Points of Concern" in the "Purpose of the Research" entry column.

(3) The section "State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens"

It should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, the researchers should explain the research achievements in an easily comprehensible way, since KAKENHI are funded by the tax of citizens. Therefore, they should state the way the research achievements will be disseminated to society and members of the public (e.g. creation

of a website, preparation of pamphlets to publicize the research achievements, participation in open events, or planned publication through the mass media).

(4) The section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment"

If the Principal Investigator of "Specially Promoted Research"or "Scientific Research (S)" received a research progress assessment in FY2015 or in FY2016, he or she should describe it in this section, in accordance with the instructions given in the proposal for grant-in-aid.

(5) The section "Research Achievements"

The applicant should enter them in accordance with the instructions given in the proposal for grant-in-aid. (Pages cannot be added.) Moreover, if he or she owns intellectual property rights, including industrial property rights, he or she should state them (e.g. patent application number).

(6) The section "Protection of Human Rights and Compliance with Laws and Regulations"

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(7) In **the section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.
If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(8) In **the section "Statement of Costs for Consumables"**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them for each fiscal year, and add the total sum.

(9) In **the section "Statement of Costs for Travel Expenses"**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payment to temporary staff agencies.

(Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

3) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles, experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost).

(10) The section "Application for Research Funding, Current State of Funding and Effort"
The applicant should enter the state of respectively "(1) research funding applied for", "(2) research funding to be provided" and "(3) other activities" at the time of application by the Principal Investigator, taking into account the following points.

・ In the section "(1) research funding applied for" and "(2) research funding to be provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.

・ Distinguish between sources of research funding, if there is more than one.

・The applicant should include research funding that is competitively delivered within the research institution to which he or she belongs in "(1) research funding applied for" or "(2) research funding to be provided".

・The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) research funding applied for "or "(2) research funding to be provided". The effort for the research activities using such funding should be entered in "(3) other activities".

Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) other activities", if applicable.

・If the applicant is a Fellow of the Japan Society for the Promotion of Science (JSPS Research Fellow) (SPD, PD, RPD) and is scheduled to receive a Grant-in-Aid for JSPS Fellows in FY2017, he or she should enter this in "(2) Research funding to be provided". Moreover, the grant-in-aid that is paid monthly by JSPS (research implementation costs) should not be entered.

1) **"Funding system and name of the research funding (research period and name of the funding organization)"**

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, <u>in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a proposed research project), whether planned research or invited research), and the research period.</u> However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

> (Example 1) Screening division "General" in "Scientific Research" (C) with a research period from FY2016 to FY2019
> → Scientific Research (C) (General) (FY2016 to FY2019)
> (Example 2) "Challenging Research（Exploratory）" with a research period from FY2017 to FY2019
> → Challenging Research（Exploratory）(FY2017 to FY2019)
> (Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)" with a research period from FY2017 to FY2021
> → Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)
> (Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to FY2018
> → Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) **"Title of the research project (name of the Principal Investigator)"**

The applicant should enter the title of the proposed project. Moreover, if the applicant participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the names of the Principal Investigator of the research project in question and others in parentheses.

3) **"Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"**

The applicant should enter "Principal Investigator", if the role of the researcher in question is

Principal Investigator, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*).

4) "Budget for FY2017 (throughout the period) (Unit: Thousands of yen)"

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should fill in the total amount of the direct cost for the whole research period. in the section "Differences in details of research and reasons for additional application for a grant for the current research project".

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

The applicant should put a dash ("−") when stating a research category for which duplicate applications are permitted but not both of them are selected at the same time (e.g. Specially Promoted Research) for KAKENHI.

Moreover, in case he or she is conducting research using a competitive funding system, he or she should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the "effort" again, and register it in e-Rad.

6) "Differences in details of research and reasons for additional application for a grant for the current research project"

The applicant should clearly enter the differences in the details of research between the research

supported by a grant under application or to be approved, on the one hand, and the present research project, on the other hand, and the reasons for the application for a grant for the present research project, in addition to any other research funding. Highlight only key points when entering this information.

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period.

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Form T-1-2: File of Details of Application (items of attached file)

<u>**Scientific Research C (Generative Research Fields) – Outline1**</u>

Proposal for Grant-in-aid (Outline)

The Applicant should clearly and succinctly summarize and describe the details of Scientific Research C (Generative Research Fields) – 1 "Purpose of the Research" and Scientific Research C (Generative Research Fields) – 3 "Research Plan and Method".

* The paper review is carried out with only "Application Information (to be entered in the website)", this "the Proposal for Grant-in-aid (Outline)", "Reasons for applying under the Generative Research Field" and "Major Research Achievements", in case. Therefore, when filling them, be sure that reviewers can sufficiently understand the research project only with the information provided.

Outline of "Purpose of the Research" and "Research Plan and Method"

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Outline of "Purpose of the Research" and "Research Plan and Method" (continued)

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Reasons for applying under the Generative Research Field

The applicant should provide details, in a clear and specific manner, of the reasons why they are applying for a research project under the Generative Research Field and that is more suitable than applying under any other research field shown on "List of Categories, Areas, Disciplines and Research Fields for FY2017 Grants-in-Aid for Scientific Research".

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Major Research Achievements

The applicant should fill in the major research achievements (up to five items) selected from the items written in Scientific Research C (Generative Research Fields) – 6"Research Achievements", <u>The Principal Investigator should be marked with a double underline, Co-Investigator(s) (*kenkyu-buntansha*) with a single underline, and Co-Investigator(s) (*renkei-kenkyusha*) with a dotted underline.</u>

</div>

Purpose of the Research

The applicant shall indicate the general nature of the research and the specific purpose of the research and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

1) Scientific background for the research (e.g., domestic and overseas trends related to the research and positioning of the research; how the applicant has reached the concept based on his or her achievements in earlier research work; and details of achievements of past research work where the purpose of this project is to attain a greater level of knowledge in a similar area)

2) What will be elucidated and to what extent will it be pursued during the research period

3) Scientific characteristics, originality and expected results and significance of the research in the area

Purpose of the Research

Points of Concern

While it is possible to apply under several research categories at once, research plans for applications to Generative Research Fields, are limited to those that have no duplications with continuous research project or research projects applied for in different categories.

(Note: please delete this paragraph on application)

Purpose of the Research (continued)

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Purpose of the Research (continued)

Research Plan and Method

The applicant should provide details of the research plan and the methods for achieving the objectives of the research in a clear and specific manner. The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed and main points focused on. The plan and methods should indicate achievements through a discussion from different angles, such as the action in the event that the research does not progress as originally planned. Where the research plan is being implemented by a group, indicate the specific roles of the Principal Investigator and Co-Investigator (*kenkyu-buntansha*) of the research team (using figures, tables and other visual aids). In case the research plan is being implemented together with Co-Investigators (*kenkyu-buntansha*), include the necessity and rationality of the research group, and the relationship to the purpose of the research from the scientific viewpoint.

In addition, in order to clearly indicate the general view of the research team, state the roles of Co-Investigators (*renkei-kenkyusha*) and Research Collaborators [overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (the names and the number of members may be stated)] as needed.

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

Research Plan and Method

Research Plan and Method (continued)

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Research Plan and Method (continued)

State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens

The following points should be highlighted and stated in a clear and specific manner:

1) The current state of research environment, such as research facilities, equipment and materials that are to be used in conducting the research

2) The state of preparation for starting the research, such as coordination and contact with research members, in case there are Co-Investigator(s) (*kenkyu-buntansha*) (This should also be stated if appropriate in the case that there are Co-Investigators (*renkei-kenkyusha*) and/or Research Collaborators.)

3) How the research achievements are disseminated to society and members of the public

Connection between the Research Plan and the Research Project which received a Research Progress Assessment

- If the Principal Investigator of the current application received a research progress assessment in FY2015 or in FY2016, as a Principal Investigator of "Specially Promoted Research" or "Scientific Research (S)", he or she should describe it in this section.
- The researcher should describe the connection between the research plan and the research project which received a research progress assessment in this section (e.g. what kind of connection is there, how the researcher will advance the research which received a research progress assessment in concrete terms, etc.).

Research Achievements

The applicant should fill in the important **research papers/articles, books, industrial property rights and invited lectures** the Principal Investigator and Co-Investigator(s) (*kenkyū-buntansha*) presented up to the present relating to the research in the sequence of publication from new to old with serial numbers assigned. Lines should be drawn between groups of research papers and others published in the same calendar year to separate them. (The lines can be moved.) Forthcoming research papers/articles in academic journals may be included, only if they have been accepted for publication.

In addition, if the need arises, it is also possible to fill in the recent research activities of the Co-Investigators (*renkei-kenkyusha*). If the recent research activities are filled in, double lines should be drawn to distinguish between them. (The double lines can be moved.) They should be filled in per researcher in the sequence of publication from new to old. (It is not necessary to draw lines between every year.)

Moreover, enter research achievements focusing primarily on achievements from 2012 onward. It is also acceptable to enter research paper or other achievement (up to ten items), which are closely related to the current research, or which are key ones that you published up to the present, even if they were published before 2012.

1) For published research papers/articles, state the title, the names of authors, name of the journal, referee reading (or not), volume, page numbers of the initial and final pages and the year of publication.

2) The abovementioned sequence of such items is not compulsory as long as all of the items are included. If there are many authors, only include several authors omitting others (if any authors' names are omitted, state the number of the authors and the order on the author list for the related researchers). The Principal Investigator should be marked with a double underline, Co-Investigator(s) (*kenkyu-buntansha*) with a single underline, and the Co-Investigator(s) (*renkei-kenkyusha*) with a dotted underline.

2016 onward

2015

2014

Research Achievements (continued)

2013

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2012

before 2011

Research Funding Received and Achievements

State the achievements of funded research that is being effectively used for planning the current research from the grants that the Principal Investigator/Co-Investigator (*kenkyu-buntansha*) has received (including KAKENHI, research funding provided by his or her research institution, research funding paid by any ministry/office, local public organization, research promotion corporation, private corporation and any current research funding). Classify the grants into KAKENHI and others. The following should be taken into consideration:

1) For each research funding, state the research category (name of the system for research funding other than KAKENHI), period (fiscal year), title of the research project, whether the applicant is the Principal Investigator or Co-Investigator (*kenkyu-buntansha*), eligible costs (direct costs) of the research. Also give a clear statement of the research achievements and interim and after-the-fact assessment results (only to be made by the funding organizations). (If there are research progress assessment results for KAKENHI in FY2015 or in FY2016, they should be described in the section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment" on Scientific Research B (Generative Research Fields) -5.)

2) The applicant should describe them and make a distinction by drawing a line between KAKENHI and other research funding.

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for Grants-in-Aid for Scientific Research)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Rationality and Justification of the Research Costs

The applicant should explain the rationality, necessity and grounds for calculating the research cost to be stated on the following page and thereafter, based on the scale and organization of the research given in *Research Plan and Method*. Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year.

(Unit: thousands of yen)

	Statement of Costs for Equipment			Statement of Costs for Consumables	
	See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (Generative Research Fields)"			See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (Generative Research Fields)"	
FY	Item and Specifications (unit price × qty) (institute where equipment is installed)		Amount	Item	Amount
2017					
	See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (Generative Research Fields)"			See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (Generative Research Fields)"	

(Unit: thousands of yen)

	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
FY	Item	Amount	Item	Amount	Item	Amount	Item	Amount
2017								

Statement of Costs for Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (Generative Research Fields)"

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the collegial screening when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Scientific Research (C) (Generative Research Fields)".

   1) Fill in *Effort* with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.

   2) State the title of the research project at the beginning of *Research funding applied for*.

   3) In the case of a KAKENHI for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

   4) Include research funding to be competitively provided by the research institution to which the researcher belongs.

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Scientific Research (C) (Generative Research Fields) (2017-____)		Principal Investigator	( )		(total budget in thousands of yen)

Application for Research Funding, Current State of Funding and Effort (continued)

(2) Research Funding to be Provided

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)

(3) Other Activities

State the effort for the research and educational activities that are carried out as work other than the aforesaid research activities being applied for or to be funded.

Total				100 (%)	
Total of the effort in (1), (2) and (3) above					

Form S-1-26

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Pioneering）" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

Moreover, since KAKENHI (Multi-year Fund) will be provided for "Challenging Research （Pioneering）", it becomes for example possible to procure goods across fiscal years, when implementing the research funding. Therefore, it is also possible to draft a research plan while bearing in mind that it is possible to procure goods across fiscal years. (Please refer to the Application Procedures.)

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

※ **This proposal for grant-in-aid is to be used when applying for "Challenging Research （Pioneering）", "New Application".**

※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures. Moreover, please refer to the Application Procedures for a definition of the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*), the Co-Investigator (*renkei-kenkyūsha*) and the Research Collaborator.**

※ **No modifications can be made to the prescribed form.**

※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter called "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY2016 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research(S/A/B/C)", "Challenging Research（Pioneering/Exploratory）", "Grant-in-Aid for Young Scientists (A/B)",Continued Research Projects)".

(To be entered in the website)

1. New or continued
2. Area Number
3. Name of the Principal Investigator
4. Position, Academic Unit, and Research Institution of the Principal Investigator
5. Title of Proposed Project
6. Research Abstract
7. Budget of Proposed Project
8. Wish for Disclosure of Screening Results
9. Project Members

II. File of Details of Application (items of attached file)

The following items are information about the "File Containing the Project Description (items in the attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File Containing the Project Description (items in the attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic application system". (Files above 3 MB cannot be attached.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger should be used for (1), (2) and (3) below.

In addition, please take note that <u>the following research projects are not eligible</u>.

① Research projects which merely aim at purchasing ready-made research equipment.

② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

③ Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).

④ Funded research which is carried out as commercial business.

⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The sections "Outline of "Purpose of the Research" and "Research Plan" and "Previous research activities and concept details; significance as Challenging Research (Reason for application to this research category)"

Please fill in according to the directions in the proposal for Grant-in-Aid. If the amount of the application is high, a preliminary screening based on these items and the "Application Information (to be entered in the website)" will be conducted.

(2) The sections "Research Purpose and Research Plan", "Significance as Challenging Research (Reason for application to this research category)", "Applicant's research capabilities", and "Rationality and Justification of the Research Costs"

Please fill in according to the directions in the proposal for Grant-in-Aid.

Also, the section "Applicant's research capabilities" differs from the section "Research Achievements" in other research categories, in that it is not required to give exhaustive details of research achievements. Furthermore, if there is need to list papers etc. please describe such identifiable information as (for example in the case of a paper), the title, author, the journal title, volume number, page numbers, and the year of publication (Christian Era). If there are multiple authors, please omit all but the main authors and double underline the Principle Investigator, single underline the Co-Investigator (*kenkyū-buntansha*), and dot-line the Co-Investigator (*renkei-kenkyūsha*)

(3) The section "Protection of Human Rights and Compliance with Laws and Regulations"

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(4) In **the section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.
If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(5) In the **section "Statement of Costs for Consumables"**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them for each fiscal year, and add the total sum.

(6) In the **section "Statement of Costs for Travel Expenses"**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting

information materials for research), and payment to temporary staff agencies.

(Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

3) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles, experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, and preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost).

(7) The section "Application for Research Funding, Current State of Funding and Effort"

The applicant should enter the state of respectively "(1) research funding applied for", "(2) research funding to be provided" and "(3) other activities" at the time of application by the Principal Investigator, taking into account the following points. Distinguish between sources of research funding, if there is more than one.

・ In the section "(1) research funding applied for" and "(2) research funding to be provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.

・The applicant should include research funding that is competitively delivered within the research institution to which he or she belongs in "(1) research funding applied for" or "(2) research funding to be provided".

・ The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) research funding applied for" or "(2) research funding to be provided". The effort for the research activities using such funding should be entered in "(3) other activities".

Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) other activities", if applicable.

1) **"Funding system and name of the research funding (research period and name of the funding organization)"**

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a

proposed research project), whether planned research or invited research), and the research period. However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

(Example 1) Screening division "General" in "Scientific Research" (C) with a research period from FY2016 to FY2019
→ Scientific Research (C) (General) (FY2016 to FY2019)
(Example 2) "Challenging Research（Exploratory）" with a research period from FY2017 to FY2019
→Challenging Research（Exploratory）(FY2017 to FY2019)
(Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)" with a research period from FY2017 to FY2021
→Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)
(Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to FY2018
→ Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) "Title of the research project (name of the Principal Investigator)"

The applicant should enter the title of the proposed project. Moreover, if the applicant participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the names of the Principal Investigator of the research project in question and others in parentheses.

3) "Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"

The applicant should enter "Principal Investigator", if the role of the researcher in question is Principal Investigator, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*).

4) "Budget for FY2017 (throughout the period) (Unit: Thousands of yen)"

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period. in the section "Differences in details of research and reasons for additional application for a grant for the current research project"

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

Moreover, <u>the applicant should put a dash ("−") when stating a research category for which duplicate applications are permitted but not both of them are selected at the same time (e.g. Specially Promoted Research) for KAKENHI.</u>

Moreover, in case he or she is conducting research using a competitive funding system, he or she should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the "effort" again, and register it in e-Rad.

6) "Differences in details of research and reasons for additional application for a grant for the current research project"

The applicant should clearly enter the differences in the details of research between the research supported by a grant under application or to be approved, on the one hand, and the present research project, on the other hand, and the reasons for the application for a grant for the present research project, in addition to any other research funding. Highlight only key points when entering this information.

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period.

Further, in the case of duplicate applications with other research categories, the research project in the application has to differ from the other research categories.

	OO				OOOO

29   (2017   )

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Form S-1-26: File of Details of Application (items of attached file)

Outline of "Purpose of the Research" and "Research Plan"

The Applicant should clearly and succinctly summarize and describe the details of the "Purpose of the Research" and the "Research Plan"

※ **Keep in mind that in contrast to the document-based screening of the previous Challenging Exploratory Research, the screening will be conducted from multiple perspectives and from a wider range of fields**

Previous research activities and concept details; significance as Challenging Research(Reason for application to this research category)

This research category is meant for applications of challenging research that have the potential of greatly transforming or changing the scientific scheme or direction as it was up to now.

Please describe the following:

    ① The background and details of the research plan based on your previous research activities.

    ② The significance of the research as Challenging Research based on the current scientific situation.

    ③ The applicant's research capabilities.

Research Purpose and Research Plan

The applicant should describe clearly and in detail the following:

    ②   The Research Purpose

    ② The Research Plan and Method in order to attain the said Research Purpose (including the respective roles of Researchers and Research Collaborators listed in the "project members").

    ③ The state of the facilities, equipment, research data etc. used in the research (in case of a significant change in research environment due to transfer or resignation etc. include details on obtaining research facilities and method of research implementation.)

  <u>※**Keep in mind that in contrast to the document-based screening of the previous Challenging Exploratory Research, the screening will be conducted from multiple perspectives from a wider range of fields**</u>

Research Purpose and Research Plan (continued)

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Research Purpose and Research Plan (continued)

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Significance as Challenging Research (Reason for application to this research category)

This research category is meant for applications of challenging research that have the potential of significantly reforming or changing the scientific system or direction as it has been up to now. Please describe the following:

①　The background and details of the research plan based on your previous research activities

②　The significance of the research as Challenging Research based on the current scientific situation.

Applicant's Research Capabilities

Please describe your research activities and their achievements, to demonstrate your capabilities as a researcher. Since your capability towards Challenging Research will be evaluated from multiple perspectives, it is permissible to also include research activities that do not directly relate to the current research plan.

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for Grants-in-Aid for Scientific Research)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(Unit: thousands of yen)

Statement of Costs for Equipment			Statement of Costs for Consumables	
See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Pioneering）"			See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Pioneering）"	
FY	Item and Specifications (Unit price × qty) (Institute where equipment is to be installed)	Amount (¥)	Item	Amount (¥)
2017				

(Unit: thousands of yen)

Statement of Costs for Equipment（continued） See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Pioneering）"			**Statement of Costs for Consumables（continued）** See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Pioneering）"	
FY	Item and Specifications (Unit price × qty) (Institute where equipment is to be installed)	Amount (¥)	Item	Amount (¥)

Statement of Costs for Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Pioneering）"

FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
2017								

Statement of Costs for Travel Expenses（continued） See Procedures for Preparing and Entering a Proposal for
Grant-in-Aid for "Challenging Research（Pioneering）"

FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Rationality and Justification of the Research Costs

The applicant should explain the rationality, necessity and grounds for calculating the research be stated before and thereafter, based on the scale and organization of the research given in *Research Plan and Method*. Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year.

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the collegial screening when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Pioneering）".

    1) Fill in *Effort* with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.

    2) State the title of the research project at the beginning of *Research Funding Applied for*.

    3) Include research funding to be competitively provided by the research institution to which the researcher belongs.

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntan sha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Challenging Research（Pioneering）(2017-____)		Principal Investigator	（　　　）		（total budget　　in thousands of yen）

Application for Research Funding, Current State of Funding and Effort (continued)

(2) Research Funding to be Provided

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntan sha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)

(3) Other Activities

State the effort for research and educational activities that are carried out as other work than the aforesaid research activities under application or to be funded.

Total				100 (%)	
Total of the effort in (1), (2) and (3) above					

Form S-1-27

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Exploratory）" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

Moreover, since KAKENHI (Multi-year Fund) will be provided for "Challenging Research (Exploratory)", it becomes for example possible to procure goods across fiscal years, when implementing the research funding. Therefore, it is also possible to draft a research plan while bearing in mind that it is possible to procure goods across fiscal years. (Please refer to the Application Procedures.)

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

※ **This proposal for grant-in-aid is to be used when applying for "Challenging Research （Exploratory）", "New Application".**

※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures. Moreover, please refer to the Application Procedures for a definition of the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*), the Co-Investigator (*renkei-kenkyūsha*) and the Research Collaborator.**

※ **No modifications can be made to the prescribed form.**

※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter called "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY2016 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research(S/A/B/C)", "Challenging Research（Pioneering /Exploratory）", "Grant-in-Aid for Young Scientists (A/B)", Continued Research Projects)".

(To be entered in the website)
1. New or continued
2. Area Number
3. Name of the Principal Investigator
4. Position, Academic Unit, and Research Institution of the Principal Investigator
5. Title of Proposed Project
6. Research Abstract
7. Budget of Proposed Project
8. Wish for Disclosure of Screening Results
9. Project Members

II. File of Details of Application (items of attached file)

The following items are information about the "File Containing the Project Description (items in the attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File Containing the Project Description (items in the attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic application system". (Files above 3 MB cannot be attached.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger should be used for (1), (2) and (3) below.

In addition, please take note that <u>the following research projects are not eligible</u>.

① Research projects which merely aim at purchasing ready-made research equipment.

② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

③ Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).

④ Funded research which is carried out as commercial business.

⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The sections "Outline of "Purpose of the Research" and "Research Plan" and "Previous research activities and concept details; significance as Challenging Research (Reason for application to this research category)"

Please fill in according to the directions in the proposal for Grant-in-Aid. If the amount of the application is high, a preliminary screening based on these items and the "Application Information (to be entered in the website)" will be conducted.

(2) The sections "Research Purpose and Research Plan", "Significance as Challenging Research (Reason for application to this research category)", and "Rationality and Justification of the Research Costs"

Please fill in according to the directions in the proposal for Grant-in-Aid.

(3) The section "Protection of Human Rights and Compliance with Laws and Regulations"

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys

in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(4) In **the section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(5) In the **section "Statement of Costs for Consumables"**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them for each fiscal year, and add the total sum.

(6) In the **section "Statement of Costs for Travel Expenses"**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payment to temporary staff agencies.
(Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

3) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles,

experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, and preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost).

(7) The section "Application for Research Funding, Current State of Funding and Effort"

The applicant should enter the state of respectively "(1) research funding applied for", "(2) research funding to be provided" and "(3) other activities" at the time of application by the Principal Investigator, taking into account the following points. Distinguish between sources of research funding, if there is more than one.

・In the section "(1) research funding applied for" and "(2) research funding to be provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.

・The applicant should include research funding that is competitively delivered within the research institution to which he or she belongs in "(1) research funding applied for" or "(2) research funding to be provided".

・The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) research funding applied for" or "(2) research funding to be provided". The effort for the research activities using such funding should be entered in "(3) other activities".

Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) other activities", if applicable.

・If the applicant is a Fellow of the Japan Society for the Promotion of Science (JSPS Research Fellow) (SPD, PD, RPD) and is scheduled to receive a Grant-in-Aid for JSPS Fellows in FY2016, he or she should enter this in "(2) Research funding to be provided". Moreover, the grant-in-aid that is paid monthly by JSPS (research implementation costs) should not be entered.

1) "Funding system and name of the research funding (research period and name of the funding organization)"

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a proposed research project), whether planned research or invited research), and the research period. However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

(Example 1) Screening division "General" in "Scientific Research" (C) with a research period from FY2016 to FY2019

    → Scientific Research (C) (General) (FY2016 to FY2019)

(Example 2) "Challenging Research（Exploratory）" with a research period from FY2017 to FY2019

    →Challenging Research（Exploratory）(FY2017 to FY2019)

(Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)" with a research period from FY2017 to FY2021

    →Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)

(Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to FY2018

    → Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) "Title of the research project (name of the Principal Investigator)"

The applicant should enter the title of the proposed project. Moreover, if the applicant participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the names of the Principal Investigator of the research project in question and others in parentheses.

3) "Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"

The applicant should enter "Principal Investigator", if the role of the researcher in question is Principal Investigator, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*).

4) "Budget for FY2017 (throughout the period) (Unit: Thousands of yen)"

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period. in the section "Differences in details of research and reasons for additional application for a grant for the

current research project"

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

Moreover, <u>the applicant should put a dash ("−") when stating a research category for which duplicate applications are permitted but not both of them are selected at the same time (e.g. Specially Promoted Research) for KAKENHI.</u>

Moreover, in case he or she is conducting research using a competitive funding system, he or she should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the "effort" again, and register it in e-Rad.

6) "Differences in details of research and reasons for additional application for a grant for the current research project"

The applicant should clearly enter the differences in the details of research between the research supported by a grant under application or to be approved, on the one hand, and the present research project, on the other hand, and the reasons for the application for a grant for the present research project, in addition to any other research funding. Highlight only key points when entering this information.

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period.

Further, in the case of duplicate applications with other research categories, the research project in the application has to differ from the other research categories.

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Form S-1-27: File of Details of Application (items of attached file)

Outline of "Purpose of the Research" and "Research Plan"
The Applicant should clearly and succinctly summarize and describe the details of the "Purpose of the Research" and the "Research Plan"

※ **Keep in mind that in contrast to the document-based screening of the previous Challenging Exploratory Research, the screening will be conducted from multiple perspectives and from a wider range of fields.**

Outline of "Purpose of the Research" and "Research Plan"
The Applicant should clearly and succinctly summarize and describe the details of the "Purpose of the Research" and the "Research Plan"

Previous research activities and concept details; significance as Challenging Research(Reason for application to this research category) This research category is meant for applications of challenging research that have the potential of greatly reforming or changing the scientific system or direction as it was up to now.

Please describe the following:

① The background and details of the research plan based on your previous research activities.

② The significance of the research as Challenging Research based on the current scientific situation.

③ The applicant's research capabilities.

Research Purpose and Research Plan

The applicant should describe clearly and in detail the following:

① The Research Purpose

② The Research Plan and Method in order to attain the said Research Purpose (including the respective roles of Researchers and Research Collaborators within the Research Team).

※ Keep in mind that in contrast to the document-based screening of the previous Challenging Exploratory Research, the screening will be conducted from multiple perspectives from a wider range of fields.

Research Purpose and Research Plan (continued)

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Research Purpose and Research Plan (continued)

Significance as Challenging Research (Reason for application to this research category)

This research category is meant for applications of challenging research that have the potential of significantly reforming or changing the scientific system or direction as it has been up to now.

   ①   The background and details of the research plan based on your previous research activities

   ②   The significance of the research as Challenging Research based on the current scientific situation. In the case of research with a strong exploratory nature, or research in its formative stages: the possibility of the research as Challenging Research.

Protection of Human Rights and Compliance with Laws and Regulations (cf. **Application Procedures for Grants-in-Aid for Scientific Research**)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(Unit: thousands of yen)

Statement of Costs for Equipment			**Statement of Costs for Consumables**	
See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Exploratory）"			See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Exploratory）"	
FY	Item and Specifications (Unit price × qty) (Institute where equipment is to be installed)	Amount (¥)	Item	Amount (¥)
2017				

	Statement of Costs for Equipment（continued） See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Exploratory）"			**Statement of Costs for Consumables（continued）** See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Exploratory）"	
FY	Item and Specifications (Unit price × qty) (Institute where equipment is to be installed)	Amount (¥)		Item	Amount (¥)

Statement of Costs for Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Research（Exploratory）"

FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
2017								

Statement of Costs for Travel Expenses（continued） See Procedures for Preparing and Entering a Proposal for
Grant-in-Aid for "Challenging Research（Exploratory）"

FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Rationality and Justification of the Research Costs

The applicant should explain the rationality, necessity and grounds for calculating the research be stated before and thereafter, based on the scale and organization of the research given in *Research Plan and Method*. Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year.

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the collegial screening when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Challenging Exploratory Research".

   1) Fill in *Effort* with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.

   2) State the title of the research project at the beginning of *Research Funding Applied for*.

   3) In the case of a KAKENHI for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

   4) Include research funding to be competitively provided by the research institution to which the researcher belongs.

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntan sha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Challenging Research （Exploratory） (2017-____)		Principal Investigator	(　　　)		(total budget　　in thousands of yen)

Application for Research Funding, Current State of Funding and Effort (continued)

(2) Research Funding to be Provided

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntan sha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)

(3) Other Activities

State the effort for research and educational activities that are carried out as other work than the aforesaid research activities under application or to be funded.

Total Total of the effort in (1), (2) and (3) above				100 (%)	

Form S-1-12

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (A)" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

※ **This proposal for grant-in-aid is to be used when applying for "Grant-in-Aid for Young Scientists (A)", "New Application".**

※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures.**

※ **No modifications can be made to the prescribed form.**

※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter called "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal

for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY2017 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research (S/A/B/C)", "Challenging Research （Pioneering/Exploratory）", "Grant-in-Aid for Young Scientists (A/B)", Continued Research Projects).

(To be entered in the website)

1. New or continued

2. Item Number

3. Screening Sub-panel Number

4. Keywords from Keyword List, Other Keywords

5. Name of the Principal Investigator

6. Age

7. Position, Academic Unit, and Research Institution of the Principal Investigator

8. Academic Degree, Field of Specialization and Effort

9. Title of Proposed Project

10. Budget of Proposed Project

11. Wish for Disclosure of Screening Results

II. File of Details of Application (items of attached file)

The following items are information about the "File of Details of Application (items of attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File of Details of Application (items of attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic application system". (Files above 3 MB cannot be attached.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger should be used for (1), (2), (3), (5) and (6) below.

In addition, please take note that the following research projects are not eligible.

① Research projects which merely aim at purchasing ready-made research equipment.

② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

③ Research projects which directly aim at developing and selling goods and services

(including market trend surveys on the development and sale of goods and services).

④ Funded research which is carried out as commercial business.

⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The section "Purpose of the Research, Research Plan and Methods, Brief Background Description of Research of Applicant, and Rationality and Justification of the Research Costs"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(2) The section "State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens"

It should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, the researchers should explain the research achievements in an easily comprehensible way, since KAKENHI are funded by the tax of citizens. Therefore, they should state the way the research achievements will be disseminated to society and members of the public (e.g. creation of a website, preparation of pamphlets to publicize the research achievements, participation in open events, or planned publication through the mass media).

(3) The sections "State of research activities and the connection with the current research project" and "Research Funding Received and Achievements"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(4) The section "Research Achievements"

The applicant should enter them in accordance with the instructions given in the proposal for grant-in-aid. (Pages cannot be added.) Moreover, if he or she owns intellectual property rights, including industrial property rights, he or she should state them (e.g. patent application number).

(5) The section "Connection between the Research Plan and the Research Project which

received a Research Progress Assessment"

If the Principal Investigator of "Specially Promoted Research"or "Scientific Research (S)" received a research progress assessment in FY2015 or in FY2016, he or she should describe it in this section, in accordance with the instructions given in the proposal for grant-in-aid.

(6) The section "Protection of Human Rights and Compliance with Laws and Regulations"

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(7) In **the section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(8) In the **section "Statement of Costs for Consumables"**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them for each fiscal year, and add the total sum.

(9) In the **section "Statement of Costs for Travel Expenses"**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation

expenses, accommodation fees and daily allowance for overseas and domestic travel.

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payment to temporary staff agencies.

   (Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

3) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles, experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, and preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost).

(10) The section "Application for Research Funding, Current State of Funding and Effort"

The applicant should enter the state of respectively "(1) research funding applied for", "(2) research funding to be provided" and "(3) other activities" at the time of application by the Principal Investigator, taking into account the following points.

・In the section "(1) research funding applied for" and "(2) research funding to be provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.

・Distinguish between sources of research funding, if there is more than one.

・The applicant should include research funding that is competitively delivered within the research institution to which he or she belongs in "(1) research funding applied for" or "(2) research funding to be provided".

・The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) research funding applied for" or "(2) research funding to be provided". The effort for the research activities using such funding should be entered in "(3) other activities".

Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) other activities", if

applicable.

・If the applicant is a Fellow of the Japan Society for the Promotion of Science (JSPS Fellow) (SPD, PD, RPD) and is scheduled to receive a Grant-in-Aid for JSPS Fellows in FY2017, he or she should enter this in "(2) Research funding to be provided". Moreover, the grant-in-aid that is paid monthly by JSPS (research implementation costs) should not be entered.

1) "Funding system and name of the research funding (research period and name of the funding organization)"

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a proposed research project), whether planned research or invited research), and the research period. However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

> (Example 1) Screening division "General" in "Scientific Research" (C) with a research period from FY2016 to FY2019
> → Scientific Research (C) (General) (FY2016 to FY2019)
>
> (Example 2) "Challenging Research（Exploratory）" with a research period from FY2017 to FY2019
> → Challenging Research（Exploratory）(FY2017 to FY2019)
>
> (Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)" with a research period from FY2017 to FY2021
> →Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)
>
> (Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to FY2018
> → Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) "Title of the research project (name of the Principal Investigator)"

The applicant should enter the title of the proposed project. Moreover, if the applicant participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the names of the Principal Investigator of the research project in question and others in parentheses.

3) "Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"

The applicant should enter "Principal Investigator", if the role of the researcher in question is Principal Investigator, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*).

4) "Budget for FY2017 (throughout the period) (Unit: Thousands of yen)"

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under

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application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period. in　of the section "Differences in details of research and reasons for additional application for a grant for the current research project"

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

Moreover, <u>the applicant should put a dash ("−") when stating a research category for which duplicate applications are permitted but not both of them are selected at the same time (e.g. Specially Promoted Research) for KAKENHI.</u>

Moreover, in case he or she is conducting research using a competitive funding system, he or she should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the "effort" again, and register it in e-Rad.

6) "Differences in details of research and reasons for additional application for a grant for the current research project"

The applicant should clearly enter the differences in the details of research between the research supported by a grant under application or to be approved, on the one hand, and the present research project, on the other hand, and the reasons for the application for a grant for the present research project, in addition to any other research funding. Highlight only key points when entering this information.

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should

complete the total amount of the direct cost for the whole research period.

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Form S-1-12: File of Details of Application (items of attached file)

Purpose of the Research

The applicant shall indicate the general nature of the research and the specific purpose of the research, <u>after succinctly summarizing it and providing an outline at the beginning,</u> and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

  1) Scientific background of the research (e.g., domestic and overseas trends related to the research and positioning of the research; how the applicant has reached the concept based on his or her achievements in past research work; and details of achievements of past research work where the purpose is to attain a greater level of sophistication)

  2) What will be elucidated and to what extent will it be pursued during the research period

  3) Scientific characteristics, originality and expected achievements and significance of the research in the area

Purpose of the Research (Outline)   ∗ **Concerning the Purpose of the Research Project, the applicant should succinctly summarize and describe in detail.**

Purpose of the Research (continued)

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Purpose of the Research (continued)

Research Plan and Methods

The applicant should provide details of the research plan and the methods for achieving the objectives of the research, <u>after succinctly summarizing it and providing an outline at the beginning</u>. The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed. The plan and methods should indicate achievements through a discussion from multiple aspects, such as the action in the event that the research does not progress as originally planned. In addition, the following points should be highlighted.

1) Specific devices for implementing the research (such as ideas for effectively advancing the research and the assistance of Research Collaborators for effectively advancing the research)

2) Where the research is being implemented by a research team, the specific roles (using figures, tables and other visual aids) of the Principal Investigator, and if necessary, the Research Collaborators [overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (names and number of members may be stated)]

3) If the Principal Investigator is employed in conducting other research work or if the Principal Investigator has other research work that is not an occupational task, connection with and differences from the present research

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

Research Plan and Methods (Outline) **∗ Concerning the Research Plan and Method to accomplish the Purpose of the Research, the applicant should succinctly summarize and describe in detail.**

Research Plan and Methods (continued)

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State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens

The following points should be highlighted and stated in a concrete and clear manner.

1) The current state of research environment, such as research facilities, equipment and materials that are used for the implementation of the research

2) The state of preparation for starting the research as needed, such as coordination and contact with Research Collaborators, if applicable

3) How the research achievements are disseminated to society and people

Brief Background Description of Research of the Applicant

State the background history of research in the sequence from new to old, starting from the graduation of the final education. Clearly indicate details of the research and noteworthy matters (e.g., awards).

State of research activities and the connection with the current research project

Specifically describe the <u>state of the research</u> in which you currently participate (e.g., types of research funding, research period, research projects, details of the research and roles) and the <u>connection with the research project for which an application is currently being made.</u>

Research Funding Received and Achievements

State the achievements of funded research that is being effectively used for planning the current research from the grants that the Principal Investigator has received (including KAKENHI, research funding provided by his or her research institution, research funding paid by any ministry/office, local public organization, research promotion corporation, private corporation and any current research funding). Classify the grants into KAKENHI and other grants. The following should be taken into account:

1) For each research funding, state the research category (name of the system for research funding other than KAKENHI), period (fiscal year), title of the research project, whether the applicant is the Principal Investigator or a Co-Investigator (*kenkyu-buntansha*), eligible costs (direct costs) of the research. Also give a clear statement of the research achievements and interim and after-the-fact assessment results (only to be made by the funding organizations). (If there are research progress assessment results for KAKENHI in FY2015 or in FY2016, they should be described in the section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment" on Grant-in-Aid for Young Scientists A - 9.)

2) The applicant should describe them and make a distinction by drawing a line between KAKENHI and other research funding.

Research Achievements

The applicant should fill in the important **research papers/articles, books, industrial property rights and invited lectures** the Principal Investigator presented up to the present relating to the research in the sequence of publication from new to old with serial numbers assigned. Lines should be drawn between groups of research papers and others published in the same calendar year to separate them. (The lines can be moved.) Forthcoming research papers/articles in academic journals may be included, only if they have been accepted for publication.

Moreover, enter research achievements focusing primarily on achievements from 2012 onward. It is also acceptable to enter research paper or other achievement (up to ten items), which are closely related to the current research, or which are key ones that you published up to the present, even if they were published before 2012.

  1) For published research papers/articles, state the title, the names of authors, name of the journal, referee reading (or not), volume, page numbers of the initial and final pages and the year of publication.

  2) The abovementioned sequence of such items is not compulsory as long as all of the items are included. If there are many authors, only include several authors omitting others (if any authors' names are omitted, state the number of the authors and the order on the author list for the related researchers). The Principal Investigator should be marked with an underline.

2016 onward

2015

2014

Research Achievements (continued)

2013

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2012

before 2011

Connection between the Research Plan and the Research Project which received a Research Progress Assessment

- If the Principal Investigator of the current application received a research progress assessment in FY2015 or in FY2016, as a Principal Investigator of "Specially Promoted Research",or"Scientific Research (S)" , he or she should describe it in this section.
- The researcher should describe the connection between the research plan and the research project which received a research progress assessment in this section (e.g. what kind of connection is there, how the researcher will advance the research which received a research progress assessment in concrete terms, etc.).

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures

for Grants-in-Aid for Scientific Research)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Rationality and Justification of the Research Costs

The applicant should fill in the rationality, necessity and grounds for calculating the research costs to be stated on the following page and thereafter, based on the scale and organization of the research given in *Research Plan and Methods*. Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year

(Unit: thousands of yen)

	Statement of Costs for Equipment See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (A)"		Statement of Costs for Consumables See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (A)"	
FY	Item and Specifications (Unit price × qty) (Institution where equipment is to be installed)	Amount (¥)	Item	Amount (¥)
2017				
	Statement of Costs for Equipment See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (A)"		Statement of Costs for Consumables See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (A)"	

(Unit: thousands of yen)

	Statement of Costs for Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (A)"							
FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
2017								

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the second screening (collegial screening) when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (A)".

   1) Fill in *Effort* with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.

   2) State the title of the research project at the beginning of *Research Funding Applied for*.

   3) In the case of a KAKENHI for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

   4) Include research funding to be competitively provided by the research institution to which the researcher belongs.

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Grant-in-Aid for Young Scientists (A) (2017-____)		Principal Investigator	( )		(total budget in thousands of yen)

Application for Research Funding, Current State of Funding and Effort (continued)

(2) Research Funding to be Provided

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)

(3) Other Activities

State the effort for research and educational activities that are carried out as other work than the aforesaid research activities under application or to be funded.

Total				100 (%)	
Total of the effort in (1), (2) and (3) above					

Form S-1-13

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (B)" (New)

Applicants for KAKENHI should fill in this proposal for grant-in-aid, giving details of the research project, based on the Application Procedures, and submit it to the Independent Administrative Legal Entity Japan Society for the Promotion of Science (hereinafter called "JSPS") prior to application. This proposal for grant-in-aid is used as **screening material** at the **JSPS Scientific Research Grant Committee**.

The applicant should fill in the form correctly, while taking the following points into account.

Moreover, since KAKENHI (Multi-year Fund) will be provided for "Grant-in-Aid for Young Scientists (B)", it becomes for example possible to procure goods across fiscal years, when implementing the research funding. Therefore, it is also possible to draft a research plan while bearing in mind that it is possible to procure goods across fiscal years. (Please refer to the Application Procedures.)

When the application is approved as a result of the screening at the Scientific Research Grant Committee, a notice concerning the informal decision on funding is issued. The application will be submitted based on the notice. A KAKENHI will be provided if the research plan is deemed appropriate.

Remarks

※ **This proposal for grant-in-aid is to be used when applying for "Grant-in-Aid for Young Scientists (B)", "New Application".**

※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures.**

※ **No modifications can be made to the prescribed form.**

※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter called

"Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY2017 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research (S/A/B/C)", "Challenging Research （Pioneering/Exploratory）", "Grant-in-Aid for Young Scientists (A/B)", Continued Research Projects)".

(To be entered in the website)
1. New or continued
2. Desired Area for Screening
3. Item Number
4. Screening Sub-panel Number
5. Keywords from Keyword List, Other Keywords
6. Name of the Principal Investigator
7. Age
8. Position, Academic Unit, and Research Institution of the Principal Investigator
9. Academic Degree, Field of Specialization and Effort
10. Title of Proposed Project
11. Budget of Proposed Project
12. Wish for Disclosure of Screening Results

II. File of Details of Application (items of attached file)

The following items are information about the "File of Details of Application (items of attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File of Details of Application (items of attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic application system". (Files above 3 MB cannot be attached.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger should be used for (1), (2), (4), and (5) below.

In addition, please take note that <u>the following research projects are not eligible.</u>

① Research projects which merely aim at purchasing ready-made research equipment.

② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

③ Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).

④ Funded research which is carried out as commercial business.

⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The section "Purpose of the Research, Research Plan and Methods, Brief Background Description of Research of the Applicant, and Rationality and Justification of the Research Costs"

They should be completed in accordance with the instructions given in the proposal for grant-in-aid.

(2) The section "State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens"

It should be completed in accordance with the instructions given in the proposal for grant-in-aid.

Moreover, the researchers should explain the research achievements in an easily comprehensible way, since KAKENHI are funded by the tax of citizens. Therefore, they should state the way the research achievements will be disseminated to society and members of the public (e.g. creation of a website, preparation of pamphlets to publicize the research achievements, participation in open events, or planned publication through the mass media).

(3) The section "Research Achievements"

The applicant should enter them in accordance with the instructions given in the proposal for grant-in-aid. (Pages cannot be added.) Moreover, if he or she owns intellectual property rights, including industrial property rights, he or she should state them (e.g. patent application number).

(4) The section "Connection between the Research Plan and the Research Project which received a Research Progress Assessment"

If the Principal Investigator of "Specially Promoted Research"or "Scientific Research (S)" received a research progress assessment in FY2015 or in FY2016, he or she should describe it in this section, in accordance with the instructions given in the proposal for grant-in-aid.

(5) The section "Protection of Human Rights and Compliance with the Laws and Regulations"

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(6) In the **section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(7) In the **section "Statement of Costs for Consumables"**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them for each fiscal year, and add the total sum.

(8) In the **section "Statement of   Costs for Travel Expenses"**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payment to temporary staff agencies.

(Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

3) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles, experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, and preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost).

(9) The section "Application for Research Funding, the Current State of Funding and Effort"

The applicant should enter the state of respectively "(1) research funding applied for", "(2) research funding to be provided" and "(3) other activities" at the time of application by the Principal Investigator, taking into account the following points.

・In the section "(1) research funding applied for" and "(2) research funding to be provided", the applicant should not only fill in KAKENHI but also other competitive funding systems.

・Distinguish between sources of research funding, if there is more than one.

・The applicant should include research funding that is competitively delivered within the research institution to which he or she belongs in "(1) research funding applied for" or "(2) research funding to be provided".

・The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in "(1) research funding applied for" or "(2) research funding to be provided". The effort for the research activities using such funding should be entered in "(3) other activities".

Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as a Co-Investigator (*renkei-kenkyūsha*) should be stated in "(3) other activities", if applicable.

・If the applicant is a Fellow of the Japan Society for the Promotion of Science (JSPS Research

Fellow) (SPD, PD, RPD) and is scheduled to receive a Grant-in-Aid for JSPS Fellows in FY2017, he or she should enter this in "(2) Research funding to be provided". Moreover, the grant-in-aid that is paid monthly by JSPS (research implementation costs) should not be entered.

1) **"Funding system and name of the research funding (research period and name of the funding organization)"**

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, <u>in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a proposed research project), whether planned research or invited research), and the research period</u>. However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

> (Example 1) Screening division "General" in "Scientific Research" (C) with a research period from FY2016 to FY2019
> → Scientific Research (C) (General) (FY2016 to FY2019)
>
> (Example 2) "Challenging Research（Exploratory）" with a research period from FY2017 to FY2019
> → Challenging Research（Exploratory）(FY2017 to FY2019)
>
> (Example 3) Planned Research in "Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area)" with a research period from FY2017 to FY2021
> → Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)
>
> (Example 4) Grant-in-Aid for JSPS Fellows with a research period from FY2016 to FY2018
> → Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

2) **"Title of the research project (name of the Principal Investigator)"**

The applicant should enter the title of the proposed project. Moreover, if the applicant participates as a Co-Investigator (*kenkyū-buntansha*) or suchlike, he or she should enter the names of the Principal Investigator of the research project in question and others in parentheses.

3) **"Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))"**

The applicant should enter "Principal Investigator", if the role of the researcher in question is Principal Investigator, and "Co-Investigator (*kenkyū-buntansha*)", if he or she is Co-Investigator (*kenkyū-buntansha*).

4) **"Budget for FY2017 (throughout the period) (Unit:Thousands of yen)"**

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2017 in the top of the page. (Items under application is the applied amount.) He or she should complete the total amount (the expected amount) that he or she will use himself/herself altogether during the whole research period in the

bottom of the page between brackets.

Moreover, in case the applicant is the Co-Investigator (*kenkyū-buntansha*), he or she should fill in the amount of the share of expenses (the expected amount) he or she will receive and use himself/herself in FY2017 in the top of the page. He or she should complete the total amount of the share of expenses (the expected amount) he or she will use himself/herself altogether during the whole research period in the bottom of the page between brackets. (In case no share of expenses will be allotted, he or she should fill in "0" in the respective sections.)

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period. in the section "Differences in details of research and reasons for additional application for a grant for the current research project"

5) "Effort"

The applicant should enter the time allocation rate (%) of time necessary for the implementation of each of the research activities with the entire working time relating to "(1) research funding applied for", "(2) research funding to be granted" and "(3) other activities" stated in the section as 100%. The "entire working time" does not mean time spent only on research activities, but the actual total working time, including educational activities and other activities.

Moreover, the applicant should put a dash ("−") when stating a research category for which duplicate applications are permitted but not both of them are selected at the same time (e.g. Specially Promoted Research) for KAKENHI.

Moreover, in case he or she is conducting research using a competitive funding system, he or she should without fail complete the "effort" for the research activity in question. In case the research project under application is adopted, he or she will at that point in time determine the "effort" again, and register it in e-Rad.

6) "Differences in details of research and reasons for additional application for a grant for the current research project"

The applicant should clearly enter the differences in the details of research between the research supported by a grant under application or to be approved, on the one hand, and the present research project, on the other hand, and the reasons for the application for a grant for the present research project, in addition to any other research funding. Highlight only key points when entering this information.

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period.

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Form S-1-13: File of Details of Application (items of attached file)

Purpose of the Research

The applicant shall indicate the general nature of the research and the specific purpose of the research, <u>after succinctly summarizing it and providing an outline at the beginning,</u> and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

1) Scientific background of the research (e.g., domestic and overseas trends related to the research and positioning of the research; how the applicant has reached the concept based on his or her achievements in past research work; and details of achievements of past research work where the purpose is to attain a greater level of sophistication)

2) What will be elucidated and to what extent will it be pursued during the research period

3) Scientific characteristics, originality and expected achievements and significance of the research in the area

Purpose of the Research (Outline) ✽ **Concerning the Purpose of the Research Project, the applicant should succinctly summarize and describe in detail.**

Purpose of the Research (continued)

335

Purpose of the Research (continued)

Research Plan and Methods

The applicant should provide details of the research plan and the methods for achieving the objectives of the research, <u>after succinctly summarizing it and providing an outline at the beginning</u>. The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed. The plan and methods should indicate achievements through a discussion from multiple aspects, such as the action in the event that the research does not progress as originally planned. In addition, the following points should be highlighted.

1) Specific devices for implementing the research (such as ideas for effectively advancing the research and the assistance of Research Collaborators for effectively advancing the research)

2) Where the research is being implemented by a research team, the specific roles (using figures, tables and other visual aids) of the Principal Investigator, and if necessary, the Research Collaborators [overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (names and number of members may be stated)]

3) If the Principal Investigator is employed in conducting other research work or if the Principal Investigator has other research work that is not an occupational task, connection with and differences from the present research

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

Research Plan and Method (Outline) ∗ Concerning the Research Plan and Method to accomplish the Purpose of the Research, the applicant should succinctly summarize and describe in detail.

Research Plan and Methods (continued)

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—

State of Preparations for the Research Plan and Methods to Disseminate the Research Results to Society and Citizens

The following points should be highlighted and stated in a concrete and clear manner.

1) The current state of research environment, such as research facilities, equipment and materials that are used for the implementation of the research

2) The state of preparation for starting the research as needed, such as coordination and contact with Research Collaborators, if applicable

3) How the research achievements are disseminated to society and people

Brief Background Description of Research of the Applicant

State the background history of research in the sequence from new to old, starting from the graduation of the final education. Clearly indicate details of the research and noteworthy matters (e.g., awards).

Research Achievements

The applicant should fill in the important **research papers/articles, books, industrial property rights and invited lectures** the Principal Investigator presented up to the present relating to the research in the sequence of publication from new to old with serial numbers assigned. Lines should be drawn between groups of research papers and others published in the same calendar year to separate them. (The lines can be moved.) Forthcoming research papers/articles in academic journals may be included, only if they have been accepted for publication.

Moreover, enter research achievements focusing primarily on achievements from 2012 onward. It is also acceptable to enter research paper or other achievement (up to ten items), which are closely related to the current research, or which are key ones that you published up to the present, even if they were published before 2012.

  1) For published research papers/articles, state the title, the names of authors, name of the journal, referee reading (or not), volume, page numbers of the initial and final pages and the year of publication.

  2) The abovementioned sequence of such items is not compulsory as long as all of the items are included. If there are many authors, only include several authors omitting others (if any authors' names are omitted, state the number of the authors and the order on the author list for the related researchers). The Principal Investigator should be marked with an underline.

2016 onward

2015

2014

Research Achievements (continued)

2013

340

2012

before 2011

Connection between the Research Plan and the Research Project which received a Research Progress Assessment

- If the Principal Investigator of the current application received a research progress assessment in FY2015 or in FY2016, as a Principal Investigator of "Specially Promoted Research"or "Scientific Research (S)" , he or she should describe it in this section.
- The researcher should describe the connection between the research plan and the research project which received a research progress assessment in this section (e.g. what kind of connection is there, how the researcher will advance the research which received a research progress assessment in concrete terms, etc.).

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for Grants-in-Aid for Scientific Research)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Rationality and Justification of the Research Costs

The applicant should fill in the rationality, necessity and grounds for calculating the research costs to be stated on the following page and thereafter, based on the scale and organization of the research given in *Research Plan and Methods*. Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year.

(Unit: thousands of yen)

	Statement of Costs for Equipment See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (B)"		Statement of Costs for Consumables See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (B)"	
FY	Item and Specifications (Unit price × qty) (Institution where equipment is to be installed)	Amount (¥)	Item	Amount (¥)
2017				

(Unit: thousands of yen)

Statement of Costs for Travel Expenses See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (B)"

FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
2017								

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the second screening (collegial screening) when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (B)".

1) Fill in *Effort* with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.

2) State the title of the research project at the beginning of *Research Funding Applied for*.

3) In the case of a KAKENHI for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

4) Include research funding to be competitively provided by the research institution to which the researcher belongs.

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Grant-in-Aid for Young Scientists (B) (2017-___)		Principal Investigator	( )		(total budget in thousands of yen)

Application for Research Funding, Current State of Funding and Effort (continued)					
(2) Research Funding to be Provided					
Funding system and name of the research funding (research period and name of the funding organization	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (*kenkyu-buntansha*))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
(3) Other Activities State the effort for research and educational activities that are carried out as other work than the aforesaid research activities under application or to be funded.					
Total Total of the effort in (1), (2) and (3) above				100 (%)	

Form S-1-14

FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid (Continued)

This proposal for grant-in-aid should be submitted for continuing research projects in the research categories "Scientific Research（Excluding "Generative Research Field" for Scientific Research (B) and Scientific Research (C)）, "Challenging Exploratory Research" and "Grant-in-Aid for Young Scientists" in which the applicant wants to make a significant change in the research plan, specifically　(1) a change in the research purpose or a change in the title of the proposed project, (2) a change in the annual plan of the budget for which an informal agreement has been received（only applicable to single-year grants）, or (3) a reduction of the budget or a shortening of the research period, and other changes. The applicant should note that it is not necessary to submit a proposal for other continuing research projects.

Moreover, when filling in the proposal for grant-in-aid, the applicant should enter the information correctly, taking into account the following points.

<div align="center">Remarks</div>

> ※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures. Moreover, please refer to the Application Procedures for a definition of the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*), the Co-Investigator (*renkei-kenkyūsha*) and the Research Collaborator.**
> ※ **No modifications can be made to the prescribed form.**
> ※ **Proposals for grant-in-aid prepared in English will be accepted.**

I. Application Information (to be entered in the website)

The following items are "application information (to be entered in the website)" of the "proposal for grant-in-aid". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter called "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)" (hereinafter called "e-Rad"), which has been provided by the research institution to which they belong, and directly enter their data.

The application information (to be entered in the website) constitutes the first part of the proposal

for grant-in-aid (PDF file) that is prepared using the electronic application system.

For procedures for preparing and entering application information (to be entered in the website), please refer to the "FY2017 Procedures for Preparing and Entering Application Information (to be entered in the website) ("Scientific Research(S/A/B/C)","Challenging Research (Pioneering /Exploratory)", "Grant-in-Aid for Young Scientists (A/B)", "Continued Research Projects".

(To be entered in the website)

1. New or continued (Select "Continued", and enter the appropriate project number.)

2. Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan (Select "Does Not Apply".)

3. Item Number, Screening Sub-panel Number (Except screening division "Overseas Academic Research".)

4. Desired Area for Screening (Only screening division "Overseas Academic Research" and Grant-in-Aid for Young Scientists (B)), Item Number of Related research fields (Only screening division "Overseas Academic Research".)

5. Keywords from Keyword List, Other Keywords (Except screening division "Overseas Academic Research".)

6. Name of the Principal Investigator

7. Age (Only Grant-in-Aid for Young Scientists.)

8. Position, Academic Unit, and Research Institution of the Principal Investigator

9. Academic Degree, Field of Specialization and Effort (Only Grant-in-Aid for Young Scientists.)

10. Title of Proposed Project

11. Budget of Proposed Project

12. Contact Information of the Principal Investigator (Scientific Research (S). and Screening division Generative Research Fields

13. Project Members (Except Grant-in-Aid for Young Scientists.)

II. File of Details of Application (items of attached file)

The following items are information about the "File of Details of Application (items of attached file)". They constitute the second part of the proposal for grant-in-aid (PDF file).

The Principal Investigator should download the "File of Details of Application (items of attached file)" from the JSPS website for grants-in-aid for scientific research, fill it in. He or she should then access the "electronic application system", and attach the filled-in file to the "electronic application system". (Files above 3 MB cannot be attached.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each section should be observed. Characters and symbols in 11-point font size or larger

should be used for (1), and (3) below.

In addition, please take note that the following research projects are not eligible.

   ① Research projects which merely aim at purchasing ready-made research equipment.

   ② Research projects which aim at producing large-size research equipment and similar things which should be funded by other budgets.

   ③ Research projects which directly aim at developing and selling goods and services (including market trend surveys on the development and sale of goods and services).

   ④ Funded research which is carried out as commercial business.

   ⑤ Research projects with a budget of less than 100,000 yen in any of the fiscal years of the research period

Moreover, regarding the research category of the current application, if the overall research plan falls under the concept "unreasonable reduplication" as shown in the "Guidelines on the Proper Implementation of Competitive Funding" (cf. procedures for application), it is likely to be judged to be "unreasonable reduplication" in the stage of the screening. Therefore, when preparing the Proposal for Grant-in-Aid, the applicant should take this into account.

(1) The sections "Purpose of the Research", "Progress of the Research until FY2016", "Assessment of the Research until FY2016", "Research Plan and Methods after FY2017", "Changes from the Initial Plan", "Rationality and Justification of the Research Costs"

The applicant should describe them according to the instructions mentioned in the proposal for grant-in-aid.

(2) The section "Publication of Research Achievements"

As for his/her research achievements, the applicant should enter the research papers/articles he or she published in academic journals (author(s), title of the research paper/article, title of the academic journal, peer reviewed or not, volume, first and last page, publication year (A.D.)) and the state of presentations at conferences.

(3) The section "Protection of Human Rights and Compliance with Laws and Regulations"

The applicant should describe the measures and action that he or she will take, if his/her research involves compliance with the related laws and regulations, such as research requiring the consent and the cooperation of the other party when implementing the research plan, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures.

This applies to surveys, research, experiments which require an approval procedure in an ethics

committee inside and outside the research institution, such as for example questionnaire surveys in which personal information is involved, interview surveys, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

(4) In **the section "Statement of Costs for Equipment"** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

If the applicant is purchasing many books and materials, he or she should enter details, such as "books relating to politics during the Middle Ages in the West", in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

(5) In **the section "Statement of Costs for Consumables"**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them for each fiscal year, and add the total sum.

(6) In **the section "Statement of Costs for Travel Expenses"**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting information materials for research), and payment to temporary staff agencies.

(Example: Organizing materials: [breakdown: X (number of people) × Y (number of months)] XXXX yen)

3) The applicant should itemize costs other than the above-mentioned for conducting the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (including stamps and phone calls), transport, renting or leasing the research facilities (only where the grant-aided project cannot be conducted in the facilities of the research institution), meetings (rental of the

venue and meals (excluding alcohol)), equipment rental (e.g. computers, automobiles, experimental equipment), equipment repairs, transportation other than travel expenses, presentation of the research achievements (fees for contributing to the publications of academic societies, website creation, and preparation of pamphlets to publicize the research achievements, costs of PR activities disseminating research achievements to the general public, and other matters) , experiment waste disposal cost).

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Form S-1-14: File of Details of Application (items of attached file)

Purpose of the Research

The applicant shall indicate the general nature of the research and the specific purpose of the research, <u>after succinctly summarizing it and providing an outline at the beginning,</u> and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

  1) Purpose of Research (what will be elucidated and to what extent it will be pursued during the research period for which KAKENHI is applied for)

  2) Scientific characteristics, originality and expected achievements and significance of the research in the area

  3) Positioning of the research among related domestic and overseas research work

Purpose of the Research (Outline)   ∗ **Concerning the Purpose of the Research Project, the applicant should succinctly summarize and describe in detail.**

Progress of the Research until FY2016   Indicate the state of progress of the research and the new findings

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Assessment of the Research until FY2016	Indicate how the initially planned purposes of the research, the research plan and methods have been achieved. Also describe the actual scientific problems with implementation of the research.
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Assessment of the Research until FY2016	Indicate how the initially planned purposes of the research, the research plan and methods have been achieved. Also describe the actual scientific problems with implementation of the research.

Research Plan and Methods after FY2017

Indicate the research plan and methods after FY2017 in a specific and clear manner, after succinctly summarizing it and providing an outline at the beginning. The plan should be divided into one for FY2017 and one for from FY2018 on. The literature should be referred to as needed. The plan and methods should indicate achievements through a discussion from multiple aspects, such as the action in the event that the research does not progress as originally planned. In addition, the following points should be highlighted.

1) Where the research is being implemented by a research team, the specific roles (using figures, tables and other visual aids). In case the research plan is being implemented together with Co-Investigators (*kenkyu-buntansha*) of the Principal Investigator, and if cooperation with Co-Investigator(s) (*kenkyu-buntansha*) is needed, describe the necessity, validity and the connection with the purpose of the research. In order to clearly indicate the general view of the research team, state the roles of the Co-Investigators (*renkei-kenkyusha*) and Research Collaborators [e.g., overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (names and number of members may be stated)].

2) If the Principal Investigator is employed in conducting other research work, or if the Principal Investigator has other research work that is not an occupational task, connection with and differences from the present research

3) How the research achievements are disseminated to society and people

Moreover, if the research environment changes significantly halfway through the research period, due to personnel changes, retirements, etc., the applicant should also describe the way how the location of the implementation of the research is secured, research implementation methods, etc.

Research Plan and Method (Outline) *Concerning the Research Plan and Method to accomplish the Purpose of the Research, the applicant should succinctly summarize and describe in detail.*

Changes from the Initial Plan

State details of the research plan and methods, equipment and major research cost when the KAKENHI was provided. State the changes and reasons where applicable.

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Publication of Research Achievements

As for achievements of the research, state research papers/articles published in academic journals and other publications (authors, title, journal, presence of referee reading (or not), volume, page numbers of the initial and final pages, and year of publication) and the state of presentation at academic conferences, dissemination to society and members of the public.

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for Grants-in-Aid for Scientific Research)

Describe the measures and actions that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). This applies to surveys, research, experiments which require an approval procedure in an ethics committee inside and outside the research institution, such as for example questionnaire surveys and interview surveys in which personal information is involved, the use of provided samples, analysis study of the human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Rationality and Justification of the Research Costs

The applicant should fill in the rationality, necessity and grounds for calculating the research costs to be stated on the following page and thereafter based on the scale and organization of the research given in *Research Plan and Methods*. Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like "equipment", "travel expenses" or "personnel expenditure and remuneration" exceeds 90%, or in the case of research plans with a budget in which expense items under "Miscellaneous" account for a particularly large percentage of the budget in any single fiscal year.

(Unit: thousands of yen)

Statement Costs for Equipment			Statement of Costs for Consumables	
See Procedures for Preparing and Entering a Proposal for Grant-in-Aid (Continued)			See Procedures for Preparing and Entering a Proposal for Grant-in-Aid (Continued)	
FY	Item and Specifications (Unit price × qty) (Institution where equipment is to be installed)	Amount (¥)	Item	Amount (¥)
2017				

(Unit: thousands of yen)

Statement of Costs for Travel Expenses	See Procedures for Preparing and Entering a Proposal for Grant-in-Aid (Continued)							
FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
2017								