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

FY2018

Specially Promoted Research,
Scientific Research (S/A/B/C),
Challenging Research (Pioneering/Exploratory),
and
Early-Career Scientists
(Forms / Procedures for Preparing and Entering a Research Proposal Document)

September 1, 2017

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

Table of Contents

1. Research Proposal Document (New Proposal)

2. Grants-in-Aid for Scientific Research Written Consent of the Co-Investigator (omitted)

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

*Forms for Research proposal document (items to be uploaded) will be downloaded from the JSPS website (see as below)
(URL: http://www.jsps.go.jp/j-grantsinaid/index.html)

FY2018 Procedures for Preparing and Entering a Research Proposal Document for "Specially Promoted Research" (New Proposal)

Applicants for KAKENHI should fill in this **Research Proposal Document**, 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 referred to as JSPS) prior to application. This Research Proposal Document is used as review 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 review at the Scientific Research Grant Committee, a notice concerning the provisional grant decision is issued. The application will be submitted based on the notice. A KAKENHI will be disbursed if the research plan is deemed appropriate.

Items to be noted

* **This Procedure for Preparing and Entering is to be used to prepare Research Proposal Document for "Specially Promoted Research" as "New Application" (including an application for a grant for the fiscal year before the final fiscal year of a research plan)".**

* **When preparing the Research Proposal Document, the Principal Investigator should make the preparations with responsibility, in accordance with the rules set forth in the Application Procedures.**

* **The Research Proposal Document is consist of "II-1. Application Information (items to be entered in the Website) (First half)", "I-1. Project Description File [form S-1(1)] (forms to be uploaded)", "I-2. Project Description File [form S-1(2)] (forms to be uploaded)", "II-2. Application Information (items to be entered in the Website) (Second half)" and "I-3. Project Description File [form S-1 (3)] (forms to be uploaded)". No modifications to the prescribed form are permitted.**

* **The reviewers of the Scientific Research Grant Committee and the researchers in charge of the writing of the review comments who belong to domestic research institutions conduct the review based on all the forms, and the researchers in charge of the writing of the review comments who belong to overseas research institutions conduct the review based on the "II-1. Application Information (items to be entered in the Website) (First half)" and "I-1. Project Description File [form S-1(1)] (forms to be uploaded)".**

* **Research Proposal Document prepared in English will be accepted.**

* **Before submitting, be sure to check whether the contents of the Research Proposal Document converted to the PDF file are complete (missing characters, charts, garbled characters, etc.).**

I. Project Description File (forms to be uploaded)

The Project Description File (forms to be uploaded) is consists of **"I-1. Project Description File [form S-1(1)] (forms to be uploaded)", "I-2. Project Description File [form S-1(2)] (forms to be uploaded)" and "I-3. Project Description File [form S-1 (3)] (forms to be uploaded)".**
The Principal Investigator should download the "Research Proposal Document (forms to be uploaded)" from the JSPS website for Grants-in-Aid for Scientific Research, and fill it in. He or she should then access the "Electronic Application System", and upload the filled-in file to the "Electronic Application System". (Files above 3 MB cannot be uploaded.)

Note 1: **The margin of style is set with upper 20 mm, lower 20 mm, left 25 mm, and right 25 mm. Please do not change the setting margins because there is a risk of missing characters etc. when preparing the review material.**

Note 2: **Make sure that the title of each column is at the top of the page. Also, please do not exceed the number of pages specified for each item. As a result of filling according to the instructions of each item, blank pages may be generated.**

Note 3: **Applicant can delete the sentences indicated by "*" on the form.**

Note 4: **From this year's application, "Research facility/Existing equipment", "Research Expenditure and Their Necessity", "The Status of Application and Acquisition of Research Grants" became items to be entered in the Website.**

I-1. Project Description File [Form S-1 (1)] (forms to be uploaded)

The contents of this file will be subjected to review that the researchers in charge of the writing of the review comments who belong to overseas research institutions conduct as following points:

① Whether the objectives and contents of the research project are outstanding and distinctive research plan that opens up new scientific fields in the current state and trend of the research field

② Is the research project an excellent research project with high creativity based on the conception of the researcher

③ Does the researcher recognize the ability to conduct the research project

Also the reviewers of the Scientific Research Grant Committee and the researchers in charge of the writing of the review comments who belong to domestic research institutions conduct the review the contents of this file in conjunction with "Project Description File [form S-1(2)] (forms

to be uploaded)", "II-2. Application Information (items to be entered in the Website) (Second half)" and "I-3. Project Description File [form S-1 (3)] (forms to be uploaded)"

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 "Times New Roman".

However, in cases which fall under the category "Not appropriate" under the column "Appropriateness of Comments 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)) (forms to be uploaded)"** is also necessary in cases which fall under the category "Not appropriate" under the section "Appropriateness of Comments by an Overseas Researcher".

* When attaching the file to the electronic application system, the applicant should upload it in the column **"(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. "PROJECT DESCRIPTION"

This column is the part the overseas researchers in charge of the writing of the review comments refer to when examining the above-mentioned points ① to ③. With this in mind, please firstly describe the summary of the research briefly in a total of 200 words and then (1) the background of this proposal, (2) the goal that this proposal aims, (3) the research plan and method, (4) the necessity / importance of this proposal and its position in the academic field, (5) past related achievements, briefly in English quoting relevant literature (clearly stating the volume and issue) as necessary (within 4 pages in total).

Moreover, **it is not necessary to describe in this column 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 column of the **"Project Description File (form S-1 (2)) (forms to be uploaded)"**.

2. "CURRICULA VITAE"

The applicant should prepare the section "CURRICULA VITAE" on separate pages for each Principal Investigator and Co-Investigator (in the order mentioned in the column "Project Members List"), according to the instructions below and the instructions mentioned in the respective columns 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 Collaborating Researcher who participates 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.

(1) In the column "Age" the applicant should enter his/her age as of April 1, 2018.

In the column "Research Institution, Academic Unit (School, Faculty, etc.) and Position", the applicant should enter his/her research institution, academic unit (school, faculty, etc.) and position at the time of the preparation of the Research Proposal Document.

(2) In "Role in this Project", the applicant should enter concisely the roles of the researchers in the proposal (linking it with the column **"Project Description File (Form S-1 (2)) (forms to be uploaded)"** "Research Objectives, Background of the Research Project, etc.").

(3) In "Research Careers and Experience", the applicants should enter their principal research careers and experience since graduation in their last school in a retroactive chronological order.

(4) "RECENT RESEARCH ACTIVITIES I (Publications)" is not limited to the contents of the proposed research projects, but please select the main ones including the articles, books (excluding textbooks, academic abstracts, lecture abstracts), industrial property rights etc., and please fill it within 1 page in a retroactive chronological order.

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.

For a research paper in an academic journal, the title, author(s), journal, refereed or not, volume, first and last pages, and publication year should be given. (As long as all items of information are given, their order is unimportant.)

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 column "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) 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) Please select main events for "RECENT RESEARCH ACTIVITIES II (Invited Lectures and Talks, Prizes, etc.)" from invited lectures and awards at international conferences considered to be particularly important, and please fill the year of presentation within 1 page by going back to the past.

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.

I-2. Project Description File [Form S-1 (2)] (forms to be uploaded)

The applicant should enter the column from (1) to (4) as below, according to instructions mentioned in the respective column to be filled in. Characters and symbols in 11-point font size or larger should be used, considering large number of application forms for research project will be reviewed.

Moreover, the applicant is allowed to add pages. However, the information in the sections from (1) to (4) should be limited to the main points, so that it does not exceed 10 pages in total.

* When attaching the file to the electronic application system, the applicant should upload it in the column **"(2) 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 "jpa" (capital letters are possible).

(1) "Research Objectives, Background of the Research Project, etc." column

In this column, the description should be given what kind of research you plan and its summary in this proposal in accordance with the instruction specified in the Research Proposal Document to be submitted this time so that the overall structure can be clarified.

(2) "Significance as Specially Promoted Research" column

In this column, the description should be given the applicant's hitherto research activities in accordance with the instruction specified in the Research Proposal Document.

(3) "Research Plan and Methods" column

In this column, the description should be given the research plan and methods to achieve the objective of this proposal in accordance with the instruction specified in the Research Proposal Document.

(4) "Ability to Conduct Research and Research Achievements of the Principal Investigator" column

The description should be given in accordance with the instruction specified in the Research Proposal Document.

I-3. Project Description File [Form S-1 (3)] (forms to be uploaded)

The applicant should enter the column from (1) to (3) mentioned below, according to instructions mentioned in the respective column to be filled in. Characters and symbols in 11-point font size or larger should be used, considering large number of application forms for research project will be reviewed.

* When attaching the file to the electronic application system, the applicant should upload it in the column **"(3) 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 "jpb" (capital letters are possible).

(1) "Issues Relevant to Human Right Protection and Legal Compliance" column
Please enter in accordance with the instruction specified in the Research Proposal Document. If the proposed research does not fall under such categories, enter "N/A (not applicable)".

(2) "Items to be Entered When New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project" column
Please enter in accordance with the instruction specified in the Research Proposal Document. If the proposed research does not fall under such categories, enter "N/A (not applicable)".

(3) "Reason(s) Why Comments by an Overseas Researcher is not Appropriate" column
Please enter in accordance with the instruction specified in the Research Proposal Document. If the proposed research does not fall under such categories, enter "N/A (not applicable)".

II. Application Information (items to be entered in the Website)

"Application Information (items to be entered in the Website)" consists of **"Application Information (items to be entered in the Website) (First half)"** and **"Application Information (items to be entered in the Website) (Second half)"**.

The "Application Information (items to be entered in the Website)" are the items which the Principal Investigator directly enters after accessing the electronic application system using the ID and the password for the Cross-Ministerial Research and Development Management System (hereinafter referred to as "e-Rad"), which has been provided by his or her research institution.

Also, a part of content entered (title of Proposed Research Project, information of project member, effort, etc.) will be provided to the e-Rad.

＊ **The confirmation of the content of the application and the preparation of the review material is based on the "Application Information (items to be entered in the Website)" of Research Proposal Document, 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 review, or it is possible that the research project will not be accepted for review, because of the content entered. Therefore, the applicant should prepare the application information with care.**

Please select "application information input" of Specially Promoted Research from the "List of Research Categories" in the electronic application system. The "Management of Research Proposal Document" screen will be displayed. Next, please select "application information input" in the entered application information ("Research Project Information", "Research facility / Existing Equipment", "Research Expenditure and Their Necessity", "The Status of Application and Acquisition of Research Grants"). The respective input screen will be displayed. On the screen of each input, if the "Japanese ▶ English" button at the upper left of the screen is clicked, then the explanations are translated into English.

II-1. Application Information (items to be entered in the Website) (First half)

1. New Proposal or Continued

The applicant should select "New Proposal".

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". Applicant should consult in advance with the Research Aid Division II of the Research Program Department, in order to know whether the change the applicant wants to make falls under this category.

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 Research Proposal Submission in the Fiscal Year Previous to the Final Fiscal Year of the Research Period of an On-going Research Project

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 2018 is the final fiscal year and which is eligible for an application for research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project. He or she should be sure to describe the necessary items in the column "Items to be Entered When New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project" in "Project Description File (form S-1(3)) (forms to be uploaded)".

4. Review Section (Section of Category)

The applicant should be sure to select one appropriate category for which he or she wishes review from among "Humanities and Social Sciences", "Science and Engineering" or "Biological Sciences".

5. Firstly related to Medium-sized Section / Firstly related to Basic Section / Secondly related to Basic Section (This content is not converted to the PDF file.)

In "Grants-in-Aid for Scientific Research-KAKENHI-, Review Section Table" (hereinafter referred to as "Review Section Table"), please select one Medium-sized Section (01-64, 90) firstly related to the research project.

Next, please select one Basic Section (01010-90150) firstly related to the research project from the Review Section Table. Also, for Basic Section, it is possible to select optionally one more

section as secondly related to Basic Section.

6. Name of the Principal Investigator

The information on Principal Investigator which has been registered in advance from the research institution will be automatically displayed. Principal Investigator in question should verify whether his/her name has been displayed correctly. If there is an error, please temporarily save the input data, then contact the secretariat of your research institution and follow the instructions.

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

7. Position, Academic Unit (School, Faculty, etc.) and Research Institution of the Principal Investigator

The information on Principal Investigator which has been registered in advance from the research institution will be automatically displayed. Principal Investigator in question should verify whether his/her name has been displayed correctly.

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

(1) In the column "Academic Unit (School, Faculty, etc.)", if the name of the academic unit that is automatically displayed 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 name column.)

(2) In the column "Position", if the name of the position that is automatically displayed is different from the actual name of the applicant's position, he or she should enter the actual name of his or her position.

8. Title of the Research Project

In the column "Title of the research Project", the applicant should enter a title for the proposed research project within 40 characters. (Titles of the research 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.

9. Research Abstract

The applicant should enter the purpose of the research project, 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. If there are only double-byte characters or double-byte and single-byte characters, you can enter up to 500 letters, and if there are only one-byte characters, up to1000 letters can be entered.

10. Research Expenditure

The contents entered in the "Research Expenditure and Their Necessity" of "Application Information (items to be entered in the Website) (Second half)" will be automatically displayed in "Research Expenditure" column.

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

11. Researchers in related research areas (This content is not converted to the PDF file.)

In the column "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, and of which he or she thinks that they are able to assess accurately the content of the research project. 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.* Application Procedures for Grants-in-Aid for Scientific Research)) and researchers who belong to an overseas research institution (3 to 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 review comment from one of both 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 laboratory)

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 review comments, 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 review comments" 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 review comments" (optionally, up to three persons for each section).

As a general rule, a written review comment is prepared for all the research projects. However, if the Principal Investigator judges that review by an overseas researcher is difficult or inappropriate, he or she should select "Not appropriate" in the section "Appropriateness of comments by an overseas researcher" and describe the reasons in the section "Reason(s) Why Comments by an Overseas Researcher is not Appropriate" of the **"Project Description File [form S-1(3)]"**. 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 review comment" 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 review comment" 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.

12. Contact Information of the Principal Investigator (This content is not converted to the PDF file.)

In the "Contact Information of the Principal Investigator" column, please enter information of in case that direct contact of the Principal Investigator is required (for example, the work address is not the location of the head office but the campus where the Principal Investigator (PI) actually works.).

13. Project Members List

For the definitions of "Principal Investigator", "Co-Investigator", "Collaborating Researcher", and "Research Collaborator", please refer Application Procedures for Grants-in-Aid for Scientific Research.

In addition, the applicant should keep in mind the following points.

(1) Concerning the entry column for the Project Members List (Principal Investigator, Co-Investigator, Collaborating Researcher), 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 column "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 column "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.

(2) The distinction between Co-Investigator and Collaborating Researcher

The applicant should select the appropriate item from among "Co-I" (Co-Investigator) and "CR" (Collaborating Researcher) in the column "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 column "Research Plan and Methods" of the Research Proposal Document that he or she is preparing. This should be done in accordance with the instructions provided in the Procedures for Preparing

and Entering a Research Proposal Document.

(4) Information on the researchers ((1) Researcher Number, (2) Name (Pronunciation in Katakana and Kanji, English), (3) Age (as of April 1, 2018), (4) Position, Academic Unit (School, Faculty, etc.), Research Institution, and (5) 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 (School, Faculty, etc.), and 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 the information of Principal Investigator has been registered correctly.

(5) In the column "Academic Unit (School, Faculty, etc.)", if the name in the "list of numbers for academic units" 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) In the column "Position", if the name in the "list of numbers for 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 column "Role in this Project", the applicant should fill in, how the Principal Investigator, the Co-Investigator(s) and Collaborating Researcher 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 FY2018.

(8) In the column "Research Expenditure for FY2018", the share of the Grant-in-Aid to the Principal Investigator and the Co-Investigator(s) should be entered in units of thousand yen, based on the research plan. (Since Collaborating Researcher cannot receive a share of the funding, his/her/their section does not need to be entered.)

Also, the total amount of all the shares of the grant-in-aid to each researcher should correspond to "Research Expenditure for FY2018" of "10. Research Expenditure". (If it does not correspond, "error" is displayed on the confirmation screen, the data have been entered.)

(9) In the column "Effort", the applicant should enter the time allocation rate (an integral number between 1 and 100) of the Principal Investigator and the Co-Investigator, assuming that the research project for which the current application is being made would be selected (The column for Collaborating Researcher 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 confirm the effort anew at that time and to perform the procedure of formal application for grant delivery. If the effort is changed at that time, it is necessary to correct the effort in e-Rad before formal application for grant delivery.

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

14. File of Details of Application

The applicant should upload the prepared **"Project Description File [form S-1(1)] (forms to be uploaded)"** in the column **"(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(2)] (forms to be uploaded)"** in the column **"(2) Please select the File of Details of Application (Word or PDF)"**. Moreover, he or she should ensure that the file name starts with "jpa" (Capital letters are possible.).

The applicant should upload the prepared **"Project Description File [form S-1(3)] (forms to be uploaded)"** in the column **"(3) Please select the File of Details of Application (Word or PDF)"**. Moreover, he or she should ensure that the file name starts with "jpb" (Capital letters are possible.).

※ **Web** 入力項目の画面につきましては、９月下旬に公開予定の

電子申請システムをご覧ください。

 * For the screen of items to be entered in the Website, please

see the Electronic Application System planned to open in

late September.

II-2. Application Information (items to be entered in the Website) (Second half)

1. **Application Information Input (Research Facility / Existing Equipment)**
(1) **"Research Facility" column**

   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 column.

(2) **"The existing equipment (main equipment and devices already installed)" column**

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

   He or she should enter how many hours a week it is possible to use the equipments and other information in the remarks column. Also, enter the calendar year in year of installation.

2. **Application Information Input (Research Expenditure and Their Necessity)**

   Details of research expenditure, their necessity and the basis of their estimation should be given for every fiscal year in connection with the research scale, research system, etc. stated in the **Project Description File [form S-1(2)] (forms to be uploaded)** "Research Plan and Methods".

   Because the review committee also examines the optimum scale and amount of research, enter concretely specifically for the main item and expensive item. (For example, for expensive equipment costs, explain that you cannot utilize the existing equipment because its performance is necessary for research. For a large amount of consumables expenses, write concrete usage, quantity and amount. Write the personnel and the amount about the personnel cost/honoraria.)

   Also, when the total amount of research expenditure exceeds 500 million yen, the necessity of that should be clarified in "Reason for the Total Amount of Entries Exceeding 500 Million Yen" column.

   Moreover, if any of the expenditure categories (equipment costs, travel expenses, or personnel cost/honoraria) exceeds 90% of the total yearly expenditure in any FY of the research period, or if the expenditure in category Consumables or Miscellaneous constitutes a significant portion of the total expenditure, the necessity of that spending should be clarified (by showing the itemized breakdown etc.).

   Please pay attention to "target expenditure (direct cost)" and "non-eligible expenditure" described below. Also, please be aware that research plan with research expenditure less than 100,000 yen in any year of the research period will not be eligible for call for proposal.

Research expenditure and usage breakdown are automatically calculated from the details of each expense. Initial display is for 5 years from FY2018 to FY2022, but when applying for more than 6 years of research period, by clicking "Add" button on the left side of the input screen, the breakdown column for the year to be added is displayed. In addition, the "details of equipment costs" column and the "details of consumables expenses" column for the year added are set up.

Also, for data entry fields that you do not use (if you have entered but do not use it or if you did not enter at all), please delete the data entry field by pressing the "Delete" button on the left side. However, the fiscal year to be displayed cannot be less than 5 years (even if the research period is 3 to 4 years, display will be 5 years).

Please enter the amount of "Details of Equipment Costs" column and "Details of Consumables Expenses" column in thousand yen units and round off fractions smaller than one thousand yen. After completing all the details of each expense, please click the recalculate button.

Please note the following points when entering details of each expense.

(1) "Details of Equipment Costs" column

○　When purchasing equipment in the final year of the research period, please enter the reasons that are particularly necessary in the "Necessity" column of the relevant fiscal year.

○　When purchasing a large number of books and materials, please input to some extent, such as the contents of the books and materials, as "Western medieval political history related books".

○　In the case of machinery and equipment, simply enter a set of XXX as well as its breakdown.

○　Enter concisely the calculation basis of the amount in the "list price/estimate" column (e.g. list price or price by estimation, XX% of list price etc.). To examine the adequacy of research expenditure, enter the price according to the estimate, except in unavoidable cases.

(2) "Details of Consumables Expenses" column

○　For consumables expenses, please enter for each product name such as chemicals, laboratory animals, glassware, etc.

○　For travel expenses, please select appropriate one between "Domestic Travel Expenses" and "Overseas Travel Expenses". For Principal Investigator, Co-Investigator(s), Collaborating Researcher(s), and Research Collaborator(s) (data collection, various investigations, meetings of research, announcement of results of research, etc.), please enter the expenditures (transportation fee, accommodation fee, daily allowance) etc. for each matter.

○　For personnel cost / honoraria, please enter the expenditures for each matter such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) who 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)

○　For miscellaneous expenses, except for above mentioned expenditure, please enter the expenditures to carry out the research (e.g. the costs for printing, photocopying, developing / printing, correspondence (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) for each matter.

(3) "Reason for the Total Amount of Entries Exceeding 500 Million Yen" column

Please explain in detail the reason why 500 million yen cannot be managed, and the necessity to make the total amount more than 500 million yen, only when the total amount of entrance research expenses exceeds the maximum application amount of 500 million yen.

(If the total amount of research expenditures is less than 500 million yen, even if you enter it, it will not be reflected in the Research Proposal Document.)

3. Application Information Input (The Status of Application and Acquisition of Research Grants)

The entries in this column will be referred to by the review committee in order to ensure that the grant status would not constitute a case of "unreasonable duplication and/or excessive concentration in the grant allocation" so that the proposed research project can be duly carried out in parallel with other projects. Therefore, it is strictly required that all the relevant information on research grants be correctly entered.

List, at the time of submission of this KAKENHI application by Principal Investigator and Co-Investigator, please input (1) research grant application(s) in the review process, (2) research grant(s) adopted and to be delivered, and (3) other activities.

In the detail column of "(1) research grant application(s) in the review process" and "(2) research grant(s) adopted and to be delivered", the data input column is displayed by pushing the necessary number of "Add" button on the left side of the input screen. For data entry fields that you do not use (if you have entered but do not use it, or if you did not enter at all), please delete the data entry field by pressing the "Delete" button on the left side.

< Important points >

・This research project will be entered at the head of "(1) research grant application(s) in the review process".

・Please enter not only KAKENHI but also other competitive funding system in "(1) research grant application(s) in the review process" and "(2) research grant(s) adopted and to be delivered".

・Please also enter research grants to be allocated competitively within the research institution to which you belong in "(1) research grant application(s) in the review process" or "(2) research grant(s) adopted and to be delivered".

・There is no need to enter the fundamental research grants that are allocated uniformly so that research activities etc. can carry out as duties within their research institution in "(1) research grant application(s) in the review process" or "(2) research grant(s) adopted and to be delivered".

The effort of the research activities that utilize such grants is included in "(3) other activities". Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as Collaborating Researcher is included in "(3) other activities".

・If you are participating in project research conducted according to the specific purpose (mission) of your research institution, also enter the funded research grants. If the research grants funded to individuals are not clear, fill in "I: Distinction of the research contents" to that effect.

・If the applicant is a Research Fellowship for Young Scientists (SPD/PD/RPD) and plan to receive a Grant-in-Aid for JSPS Fellows in FY2018, please enter it in "(2) research grant(s) adopted and to be delivered". Moreover, please do not enter the Grant-in-Aid that is paid monthly by JSPS (research implementation costs).

○ "Role in this Project"
Please select "PI" if the role of the researcher is a Principal Investigator or select "Co-I" if the role of the researcher is a Co-Investigator.

○ "Funding Scheme, Grant Category (Funding Organization)"
In case of KAKENHI, please select the research category. For cases other than KAKENHI, please select "Other" and enter the name of the research grant and the name of the funding organization in the lower row.

○ "Research Period"
Please enter the research period.

○ "Title of Proposed Research Project"
Please enter the title of proposed research project.

○ "Name of Principal Investigator"
If applicant select "Co-I" in the column of Role in the Project, please enter the name of the Principal Investigator (or equivalent) of the research subject.

○ "Research Expenditure for FY2018 (Research Expenditure for the whole period) (Unit: thousand yen)"
Enter the amount of direct cost of research expenditure to be received and used by himself / herself in FY2018 (items under application is the applied amount) in the upper row, and at the same time enter the total amount (planned amount) to be used by himself / herself during the whole period in the lower row.

If applicant select "Co-I" in the column of Role in the Project, please enter the amount of contribution (planned amount) to be received and used by himself / herself in FY2018 in the upper row, and at the same time enter the total amount of contribution (planned amount) to be used by himself / herself during the whole period in the lower row. (Please enter "0" if contributions are not distributed in the respective column.

○ "Effort Percentage in FY2018 (%)"

Based on 100% of the total working hours for "(1) research grant application(s) in the review process", (2) research grant(s) adopted and to be delivered" and "(3) other activities" to be entered in this column, please enter the allocation rate (%) of the time required for conducting activities etc. The "total working hours" does not mean time spent only on research activities, but entire actual working time, including time spent on educational activities and other activities.

In KAKENHI, please enter "-" (hyphen) if applicant enter a research category (such as Specially Promoted Research) that can be duplicated but not adopted in duplicate.

In addition, when conducting research by the competitive funding system, please be sure to enter the effort related to the research activity. When the research project for which the current application is being made is selected, the applicant will be requested to confirm the effort anew at that time and to perform the procedure of formal application for grant delivery. If the effort is changed at that time, it is necessary to correct the effort it e-Rad before formal application for grant delivery.

○ "Relationship between this KAKENHI application and the other projects"

The applicant should respectively describe the connection between the research grant application(s) in the review process or adopted and to be delivered and the research project. State concretely and precisely the distinction of the research contents in column "I", the reason for submission of this KAKENHI application in addition to the other projects. in column "II", and the Reason for applying this research after withdrawing current research underway (research conducted as "Scientific Research on Innovative Areas", "Scientific Research", "Challenging Exploratory Research", "Challenging Research (Pioneering/Exploratory)", and "Young Scientists") in column "III".

If applicant is a Principal Investigator of KAKENHI, please enter the total amount of direct cost for the whole research period in the column "I: Distinction of the research contents".

・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" (Research in a Proposed

Research Area / Publicly Offered Research), "Scientific Research", "Challenging Exploratory Research", "Challenging Research (Pioneering/Exploratory)", "Young Scientists (A/B)", "Early-Career Scientists" and "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.

Moreover, he or she cannot participate in the implementation of the research and the research for "Scientific Research on Innovative Areas" (Research in a Proposed Research Area / Planned Research).

※ **Web** 入力項目の画面につきましては、９月下旬に公開予定の

　電子申請システムをご覧ください。

* For the screen of items to be entered in the Website, please

see the Electronic Application System planned to open in

late September.

RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR SPECIALLY PROMOTED RESEARCH（FY2018）

XX XX XX

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

	Fiscal Year	Research Expenditure [U.S. $]	Breakdown [U.S. $]				
			Equipment Costs	Consumables Expenses	Travel Expenses	Personnel cost/Honoraria	Miscellaneous Expenses
	30 FY2018	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	31 FY2019	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	32 FY2020	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Research Expenditure	33 FY2021	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Round off fractions smaller than 1000 yen Converted to U.S. $ at 1 Dollar = 100 Yen	34 FY2022	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	35 FY2023	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	36 FY2024	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	Sum Total	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Project Members List (Principal Investigator (PI), Co-Investigator (Co-I) and Collaborating Researcher (CR))

	Name (Age)	Research Institution Academic Unit (School, Faculty, etc.) Position	Academic Degree Role in this Project	30 ( ) Research Expenditure for FY2018 [U.S. $]	Effort (%)
PI	OOOOOOOO (OO)	OOOOO OOOOO OOO OOO OO OO		[ ]	
Co-I	OOOOOOOO (OO)	OOOOO OOOOO OOO OOO OO OO		[ ]	
CR	OOOOOOOO (OO)	OOOOO OOOOO OOO OOO OO OO		[ ]	
				[ ]	
OO Total Number of Members: OO			Total Research Expenditure	[ ]	

PROJECT DESCRIPTION

Give descriptions of the following items within 4 pages. (Refer to relevant papers in the publication list as necessary.)

Abstract (within 200 words)

- 27 -

(1) Background of the Research Project

(2) Research Objectives and Targeted Goals of Project

(3) Research Plan and Method

(4) Importance and Necessity of this Project and its Expected Impact on Broader Research Fields

(5) Research Achievements of the Applicant(s) Relevant to this Project

CURRICULA VITAE

1. PI / Co-I	Name			
	Date of Birth		Age	
	Research Institution, Academic Unit (School, Faculty, etc.) & Position	- 28 -		
	Academic Degree:			

2. Roles in this Project

3. Research Careers and Experience

RECENT RESEARCH ACTIVITIES I (Publications)

List the significant academic contributions (research papers, articles, books) and intellectual properties (patents). Achievement not directly related to this proposed project can be included. Begin with the 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. The list should be within 1 page.

Name of PI or Co-I	

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.

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

List the important lectures/talks (e.g., invited lecture at an international conference) and prizes, if any, in 1 page. Begin with the most recent one. Put a plus (+) sign at the front of the item that is related to this project.

Name of PI or Co-I	
Name of International Conference, Date and Place, Title of Lecture(s)/Talk(s), Name of Prizes.	

Form S-1 (2): Research Proposal Document (forms to be uploaded)

<div align="right">**Specially Promoted Research 2-1-( )**</div>

Research Objectives, Background of the Research Project, etc.

This Research Proposal Document will be reviewed in the Section "Category" of Humanities and Social Sciences, Science and Engineering, and Biological Sciences of the applicant's choice. In filling this application form, refer to the Application Procedures for Grants-in-Aid for Scientific Research-KAKENHI-.

A succinct summary of the research proposal should be given at the beginning.

The main text should give descriptions, in concrete and clear terms, of

(1) Applicant's research history leading to the conception of this research proposal based on applicant's hitherto research activities,

(2) Scientific background for the proposed research, and the "key scientific question" comprising the core of the research plan,

(3) The purpose, scientific significance, and originality of the research project,

(4) What will be elucidated, and to what extent and how will it be pursued during the research period, and

(5) Domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field.

[SUMMARY] *Describe in about 10 lines

[MAIN TEXT]

Significance as Specially Promoted Research

This research category is intended to support outstanding and distinctive research that opens up new scientific fields.

In this column, the following points should be stated in concrete and clear terms.

- Expected research achievements, scientific significance and impact of this research in opening up new scientific fields

Research Plan and Methods

The applicant should provide details of the research plan and methods for achieving the objectives of the research. The following points should be stated in concrete and clear terms.
- Preparation status and feasibility of the research plan
- A concrete description of the role-sharing between the Principal Investigator and the Co-Investigator(s), if the proposed research project involves Co-Investigator(s)

Ability to Conduct Research and Research Achievements of the Principal Investigator

In this column, the applicant should state details of his/her hitherto research activities and achievements including the achievements of funded research, to show the ability to conduct the proposed research. Achievement not directly related to the proposed project can be included.

Specially Promoted Research 2-5-( )

Research facility/Existing equipment

Research facility

Research Institution	Name of Building (floor space)	Proprietary/ Shared	Remarks
	- 35 -		

The existing equipment (main equipment and devices already installed)

Research Institution	Name of equipment	Specification (style/performance)	Proprietary/Shared	Year of installation	Remarks

Details of the Equipment Costs

The year and month of purchase	Purchase priority order	Item(Specification)	Quantity	Unit Price	Amount	/ list price/ estimate	Name of researcher who mainly use and research institution which installed equipment.
		Total					
30		FY2018:Necessity					

Details of the Equipment Costs

The year and month of purchase	Purchase priority order	Item(Specification)	Quantity	Unit Price	Amount	╱ list price/ estimate	Name of researcher who mainly use and research institution which installed equipment.
		Total					
31		FY2019:Necessity					

Details of the Equipment Costs

The year and month of purchase	Purchase priority order	Item(Specification)	Quantity	Unit Price	Amount	/ list price/ estimate	Name of researcher who mainly use and research institution which installed equipment.
		Total					
32		FY2020:Necessity					

unit: 1000 yen

Details of the Equipment Costs

The year and month of purchase	Purchase priority order	Item(Specification)	Quantity	Unit Price	Amount	／ list price/ estimate	Name of researcher who mainly use and research institution which installed equipment.
		Total					
33		FY2021:Necessity					

Details of the Equipment Costs

The year and month of purchase	Purchase priority order	Item(Specification)	Quantity	Unit Price	Amount	／ list price/ estimate	Name of researcher who mainly use and research institution which installed equipment.
		Total					
34		FY2022:Necessity					

Details of the Equipment Costs

The year and month of purchase	Purchase priority order	Item(Specification)	Quantity	Unit Price	Amount	list price/ estimate	Name of researcher who mainly use and research institution which installed equipment.
		Total					
36		FY2023:Necessity					

Details of the Equipment Costs

The year and month of purchase	Purchase priority order	Item(Specification)	Quantity	Unit Price	Amount	／ list price/ estimate	Name of researcher who mainly use and research institution which installed equipment.
		Total					
36		FY2024:Necessity					

	Details of the Consumables Expenses								
FY	Consumables Expenses		Travel Expenses		Personnel cost /Honorarial		Miscellaneous Expenses		
	Item	Amount	Item	Amount	Item	Amount	Item	Amount	
30									
FY2018									
	Total								
Necessity									

Details of the Consumables Expenses

FY	Consumables Expenses		Travel Expenses		Personnel cost /Honorarial		Miscellaneous Expenses	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
FY2019								
	Total							

Necessity

Details of the Consumables Expenses							
	Consumables Expenses		Travel Expenses		Personnel cost /Honorarial		Miscellaneous Expenses	
FY	Item	Amount	Item	Amount	Item	Amount	Item	Amount
令和2 FY2020								
	Total							
Necessity								

Details of the Consumables Expenses

FY	Consumables Expenses		Travel Expenses		Personnel cost /Honorarial		Miscellaneous Expenses	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
		Total						

FY2021

Necessity

Details of the Consumables Expenses

FY	Consumables Expenses		Travel Expenses		Personnel cost /Honorarial		Miscellaneous Expenses	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
Total								

34 / FY2022

Necessity

Details of the Consumables Expenses

FY	Consumables Expenses Item	Amount	Travel Expenses Item	Amount	Personnel cost /Honorarial Item	Amount	Miscellaneous Expenses Item	Amount
35 FY2023				- 48 -				
Total								
Necessity								

FY	Details of the Consumables Expenses							
	Consumables Expenses		Travel Expenses		Personnel cost /Honorarial		Miscellaneous Expenses	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
36 FY2024								
	Total							

Necessity	

- 50 -

(1) Grants in the Application Stage   **Specially Promoted Research 2-9-( )**

Name						
Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Relationship between this KAKENHI application and the other projects I: Distinction of the research contents II: Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)	
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	( ) Research Expenditure in FY2018 (Research Expenditure for the whole period) 30	Effort (%)	Relationship between this KAKENHI application and the other projects I: Distinction of the research contents II: Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.) Ⅲ: Reason for applying this research after withdrawing current research underway ("Grant-in-Aid for Scientific Research on Innovative Areas", "Grant-in-Aid for Scientific Research", "Challenging Research", "Grant-in-Aid for Challenging Exploratory Research", "Grant-in-Aid for Young Scientists")
			( ) 1000 yen		
			( ) 1000 yen		
(3) Other Activities					
Total				100	

Issues Relevant to Human Right Protection and Legal Compliance
  (*cf*. Application Procedures for Grants-in-Aid for Scientific Research)

  In case the proposed research involves such issues that require obtaining consent and/or cooperation of the third party, consideration in handling of personal information, or actions related bioethics and/or biosafety, the planned measures and actions for these issues should be stated within 1 page.

  This applies to research activities that would require approval by an internal or external ethical jury, such as research involving questionnaire surveys and/or interviews including personal information, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

  If the proposed research does not fall under such categories, enter "N/A (not applicable)".

Items to be Entered When New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project
   (For an application that comes under this category, this column is a mandatory entry.
   (*cf*. Application Procedures for Grants-in-Aid for Scientific Research))

   In this column, the applicant should give: (1) the relevant information on the on-going project (for which FY2018 is the final year of the research period) including the original plan at the time of application/adoption and the research accomplishment such as new knowledge acquired, and (2) the reason why he/she is submitting this new proposal for FY2018 on top of the on-going project (in terms of the development of the on-going research, necessity of new research budget, etc.).
   If not applicable, leave this page blank. (Do not eliminate the page.)

Research Category	Project Number	Title of the Research Project	Research Period
			FY___ to FY2018

The original plan at the time of application/adoption and the research accomplishment of the on-going project. *Describe in about 10 lines.

The reason for submission of this new proposal. *Describe in about 10 lines.

Reason(s) Why Comments by an Overseas Researcher is not Appropriate

As a rule, review comments from overseas researchers are solicited for a proposal submitted to the category of Specially Promoted Research. However, if the applicant considers that his/her proposal document should not be sent to overseas researchers for some reason, he/she can select "Not Appropriate" for the entry "Appropriateness of Comments by Overseas Researchers" (one of the web entry items). In that case, the applicant should give the reason of the choice. The appropriateness of the reason of the choice will be judged by the Review Committee.

FY2018 Procedures for Preparing and Entering a Research Proposal Document for "Scientific Research (S)" (New Proposal)

Applicants for KAKENHI should fill in this **Research Proposal Document**, 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 referred to as JSPS) prior to application. This Research Proposal Document is used as review material at the JSPS Scientific Research Review 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 review at the Scientific Research Review Committee, a notice concerning the provisional grant decision is issued. The application will be submitted based on the notice. A KAKENHI will be disbursed if the research plan is deemed appropriate.

Items to be noted

* **This Procedures for Preparing and Entering is to be used to prepare Research Proposal Document for "Scientific Research S" reviewed by the "Broad Section" as "New Application" (including an application for a grant for the fiscal year before the final fiscal year of a research plan)".**

* **When preparing the Research Proposal Document, the Principal Investigator should make the preparations with responsibility, in accordance with the rules set forth in the Application Procedures.**

* **Make sure that the title of each column is at the top of the page. Also, please do not exceed the number of pages specified for each item. As a result of filling according to the instructions of each item, blank pages may be generated.**

* **Applicant can delete the sentences indicated by "*" on the form.**

* **Research Proposal Document prepared in English will be accepted.**

* **Before submitting, be sure to check whether the contents of the Research Proposal Document converted to the PDF file are complete (missing characters, charts, garbled characters, etc.).**

I. Style setting

The margin of style is set with upper 20 mm, lower 20 mm, left 25 mm, and right 25 mm. Please do not change the setting margins because there is a risk of missing characters etc. when preparing the review material.

II. Research Proposal Document (to be entered in the website)

The following items are "to be entered in the website" of the "Research Proposal Document". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter referred to as "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)", which has been provided by the research institution to which they belong, and directly enter their data.

The items to be entered in the website constitute the first part ("Broad Section desired the review", "Name of Principal Investigator (PI)" etc.) and the second part ("Research Expenditures and Their Necessity (Main existing equipment, Details of research expenditure and their necessity)", "The Status of Application and Acquisition of Research Grants") of the Research Proposal Document (PDF file) that is prepared using the Electronic Application System.

For procedures for entering items to be entered in the website, please refer to the "FY2018 Procedures for Preparing and Entering a Research Proposal Document" (to be entered in the website) ("Scientific Research (S)").

Items to be entered in the Website (First half)

"Research Project Information"

- ・ New Proposal or Continued
- ・ With or without Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan
- ・ Broad Section Desired the Review
- ・ Firstly related to Medium-sized Section / Firstly related to Basic Section / Secondly related to Basic Section
- ・ Name of the Principal Investigator
- ・ Position, Academic Unit (School, Faculty, etc.), and Research Institution
- ・ Title of the Research Project
- ・ Request for Disclosure
- ・ Project Members

Items to be entered in the Website (Second half)

"Main Existing Equipment"

- ・ Main Existing Equipment

"Details of Research Expenditure and Their Necessity"
・ Details of Equipment Costs and Their Necessity
・ Details of Consumables Expenses and Their Necessity

"The Status of Application and Acquisition of Research Grants"
・ The Status of Application and Acquisition of Research Grants

III. Research Proposal Document (forms to be uploaded)

The following items are contents on the "Research Proposal Document (forms to be uploaded)". They constitute the intermediate part of the Research Proposal Document (PDF file).

The Principal Investigator should download the "Research Proposal Document (forms to be uploaded)" from the JSPS website for Grants-in-Aid for Scientific Research, and fill it in. He or she should then access the "Electronic Application System", and upload the filled-in file to the "Electronic Application System". (Files above 3 MB cannot be uploaded.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each column should be observed. Characters and symbols in <u>11-point font size or larger</u> should be used, considering large number of application forms for research project will be reviewed. Also, please do not delete the page even if blank page is generated after completing the necessary items in the designated page.

(1) "Research Objectives, Research Method etc." column

In this column, the description should be given what kind of research you plan and its summary in this proposal in accordance with the instruction specified in the Research Proposal Document to be submitted this time so that the overall structure can be clarified.

(2) "Research Development Leading to Conception of the Present Research Proposal, etc." column

In this column, the description should be given the characteristics of the research in accordance with the instruction specified in the Research Proposal Document so that the review committee will better understand the research proposal to be submitted this time.

Please describe the research activities that the applicant thinks is important to "(3) applicant's hitherto research activities". Applicant may describe activities that show applicant's ability to perform research as well. For example, there are research that leads to outcomes and research that could discover new issues in things that was not successful. (In this case, applicant may quote the paper or scientific presentation etc. entered in the "Research Achievements" column in Proposal

of the Researcher Conducting Scientific Research (S) for FY2018.).

In addition, applicant can describe the period during which research was suspended, such as maternity leave and childcare leave, interruption due to acquisition of long-term care leave.

(3) "Issues Relevant to Human Right Protection and Legal Compliance" column

Please enter in accordance with the instruction specified in the Research Proposal Document. If the proposed research does not fall under such categories, enter "N/A (not applicable)".

(4) "Items to be Entered When New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project" column

If applicant is newly applying as "New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project" (*cf.* Application Procedures for Grants-in-Aid for Scientific Research), please enter in accordance with the instruction specified in the Research Proposal Document.

(5) "Proposal of the Researcher Conducting Scientific Research (S) for FY2018" column

Please prepare it for each Principal Investigator (PI) and Co-Investigator(s) who entered in the research organization and fill out according to the instructions described in the Research Proposal Document. In addition, please copy pages 10 and 11 of Research Proposal Document "Scientific Research (S)" (forms to be uploaded) when filling out the research achievement of Co-Investigator(s). In that case, even if page 10 is filled in only and page 11 becomes blank, please do not delete page 11.

In addition, when writing a paper, if there is no page number display by electronic journals etc., it is unnecessary to enter "first and last page". In addition, if you have intellectual property rights such as patents, please indicate that fact. (Patent application number, etc.)

* In the column of "Main Existing Equipment" column, "Details of Equipment Costs" column, "Details of Consumables Expenses "column, and "The Status of Application and Acquisition of Research Grants" column, the description should be entered by the Electronic Application System starting from FY2018 Application for Research Proposal Document. When entering in these column, please refer to "FY2018 Procedures for Preparing and Entering a Research Proposal Document (items to be entered in the website) ("Scientific Research (S)")".

| 1 | 2 |

The item names written in English in the first two pages of this form (to be entered in the Website) are provided for the convenience of non-Japanese applicants. Only the Japanese item names will be shown when this form is sent to reviewers.

平成30年度（2018年度）　基盤研究（Ｓ）研究計画調書
RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR SCIENTIFIC RESEARCH (S) (FY2018)

平成XX 年XX月XX日
September 1st, 2017
1版
1st edition

新規
New Proposal

研究種目 **Research Category**	基盤研究(S) Scientific Research (S)				
大区分 **Review Section** **(Broad Section)**					
研究代表者氏名 **Principal** **Investigator (PI)**	（フリガナ）				
	（漢字等） Name (in Roman letters)				
所属研究機関 **Research Institution**					
部　局 **Academic Unit** **(School, Faculty, etc.)**					
職 **Position**					
研究課題名 **Title of Proposed** **Research Project**					

研　究　経　費 **Research Expenditure** **(1000 yen)** 千円未満の端数は 切り捨てる **Round off** **fractions smaller** **than 1000 yen.**	年度 **Fiscal Year**	研究経費 （千円） Annual Expenditure (1000 yen)	使用内訳（千円） **Breakdown (1000 yen)**				
			設備備品費 **Equipment** **Costs**	消耗品費 **Consumables** **Expenses**	旅費 **Travel** **Expenses**	人件費・謝金 Personnel cost /Honoraria	その他 **Miscellaneous** **Expenses**
	平成30年度 FY2018						
	平成31年度 FY2019						
	平成32年度 FY2020						
	平成33年度 FY2021						
	平成34年度 FY2022						
	総計 Sum Total						

開示希望の有無 **Request for disclosure**	
研究計画最終年度前年度応募 **Research proposal submission in the** **fiscal year previous to the final fiscal year** **of an on-going research project**	--

研究組織（研究代表者、研究分担者及び連携研究者）
Project Members List (Principal Investigator (PI), Co-Investigator (Co-I) and Collaborating Researcher (CR))

	氏名（年齢） Name (Age)	所属研究機関 **Research Institution** 部局 **Academic Unit (School, Faculty, etc.)** 職 **Position**	学 位 **Academic Degree** 役割分担 **Role in this Project**	平成30年度 研究経費 （千円） **Research Expenditure for FY2018** (Unit: 1,000 yen)	エフォート(%) **Effort (%)**
研究代表者 PI	00000000　（00）	(00000) (000) (00)			
研究分担者 Co -I	00000000　（00）	(00000) (000) (00)			
連携研究者 CR	00000000　（00）	(00000) (000) (00)		–	–
合計 00 名 **Total Number of Members: 00**		研究経費合計 **Total Research Expenditure**			

00000-000-00-0000

1. Research Objectives, Research Method, etc.

This research proposal will be reviewed in the Broad Section of the applicant's choice. In filling this application form, refer to the Application Procedures for Grants-in-Aid for Scientific Research -KAKENHI-.

In this column, research objectives, research method etc. should be described within 5 pages.

A succinct summary of the research proposal should be given at the beginning.

The main text should give descriptions, in concrete and clear terms, of (1) scientific background for the proposed research, and the "key scientific question" comprising the core of the research plan, (2) the purpose, scientific significance, and originality of the research project, and (3) what will be elucidated, and to what extent and how will it be pursued during the research period.

If the proposed research project involves Co-Investigator(s), a concrete description of the role-sharing between the Principal Investigator and the Co-Investigator(s) should be given.

If the applicant submits another research proposal to the research category Scientific Research (A), the difference between the two proposals must be clearly described.

[SUMMARY] *Describe in about 10 lines

[MAIN TEXT]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

- 63 -

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

- 65 -

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

2. Research Development Leading to Conception of the Present Research Proposal, etc.

In this column, descriptions should be given within 2 pages, of (1) applicant's research history leading to the conception of this research proposal, (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field, (3) applicant's hitherto research activities, and (4) preparation status and feasibility of the research plan.

If the applicant has taken leave of absence from research activity for some period (e.g. due to maternity and/or child-care), he/she may choose to write about it in "(3) applicant's hitherto research activities".

[2. Research Development Leading to Conception of the Present Research Proposal, etc. (continued from the previous page)]

3. Issues Relevant to Human Right Protection and Legal Compliance
  (*cf*. Application Procedures for Grants-in-Aid for Scientific Research)

In case the proposed research involves such issues that require obtaining consent and/or cooperation of the third party, consideration in handling of personal information, or actions related bioethics and/or biosafety, the planned measures and actions for these issues should be stated within 1 page.

This applies to research activities that would require approval by an internal or external ethical jury, such as research involving questionnaire surveys and/or interviews including personal information, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

If the proposed research does not fall under such categories, enter "N/A (not applicable)".

4. Items to be Entered When New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project
   (For an application that comes under this category, this column is a mandatory entry.
   (*cf*. Application Procedures for Grants-in-Aid for Scientific Research))

In this column, the applicant should give: (1) the relevant information on the on-going project (for which FY2018 is the final year of the research period) including the original plan at the time of application/adoption and the research accomplishment such as new knowledge acquired, and (2) the reason why he/she is submitting this new proposal for FY2018 on top of the on-going project (in terms of the development of the on-going research, necessity of new research budget, etc.).

If not applicable, leave this page blank. (Do not eliminate the page.)

Research Category	Project Number	Title of the Research Project	Research Period
			FY___ to FY2018

The original plan at the time of application/adoption and the research accomplishment of the on-going project. *Describe in about 10 lines.

The reason for submission of this new proposal. *Describe in about 10 lines.

To be filled in and attached to the Research Proposal Document for each Principal Investigator (PI) and Co-Investigator(s) (Co-I(s))

Scientific Research (S) 10

[Proposal of the Researcher Conducting Scientific Research (S) for FY2018]

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

Research Achievements

  In this column, selected research outputs such as papers, books, patents, and invited talks, should be listed within 2 pages. The list items should be numbered in a chronological (either descending or ascending) order. Papers under submission can be included only if they are already accepted for publication.

  For a research paper in an academic journal, the title, author(s), journal, refereed or not, volume, first and last pages, and publication year should be given. (As long as all items of information are given, their order is unimportant.) For a paper with a very long author list, it is permissible to show only the names of principal authors. In that case, write the number of coauthors, and indicate the order of the PI (or Co-I) in the author list (e.g. 3rd of 18 authors).

  The name of PI in the author list should be doubly underscored, while Co-I(s) should be singly underscored.

Scientific Research (S) 11

[Research Achievements (continued from the previous page)]

- 72 -

Scientific Research (S) 12－( )

˙FYgYUfW˙9IdYbX]hifˉUbXˉH\Y]fˉBYW\gg]hm　　　ˉAU]bˉYI]ghˉbˉYI]daYbh

FYgYUfW˙=bgh]hih]cb	BUaYˉcZˉYeI]daYbh	GdYW]ZZ]WUh]cbˉfIghmˉY#dYfZcfaUbWłˑ	DfcdfIYhUfm#G\UfYX	MYUfˉcZ]bghU`Uh]cb	FYaUf_g

˙FYgYUfW˙9IdYbX]hifIˉUbXˉH\Y]fˉBYW\gg]hm

FYgYUfVWˑ9IdYbX]hifYˑUbXˑH\Y]fˑBYWYgg]hm

	Research Expenditure	Breakdown				
		設備備品費 **Equipment Costs**	消耗品費 **Consumables Expenses**	旅費 **Travel Expenses**	**Personnel cost /Honoraria**	**Miscellaneous Expenses**
平成30年度 **FY2018**						
平成31年度 **FY2019**						
平成32年度 **FY2020**						
平成33年度 **FY2021**						
平成34年度 **FY2022**						
総計 **Sum Total**						

Details of the Equipment Costs

:M	Item(Specification)	Quantity	Unit Price	Amount	BUaYˑcZˑfYgYUfVWˑkˑk\cˑaU]bˑmˑIgYˑUbXˑfYgYUfVWˑ]bgh]hˑh]cbˑk\]WˑbghUˑ`YXˑYe]]daYbh"	DIfWUgYˑgWWYXˑ`Yˑ

ˑBYWYgg]hmˑcZˑˑh\Yˑ9ei]daYbhˑ7cghg

FY	Details of the Consumables Expenses		Details of the Travel Expenses		Details of the Personnel Cost /Honoraria		Details of the Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Necessity of Consumables Expenses,Travel Expenses, Personnel Cost/Honoraria, and Miscellaneous Items

(1) Grants in the Application Stage

Name						
			Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)					
				( ) 1000 yen		
				( ) 1000 yen		
				( ) 1000 yen		
				( ) 1000 yen		
				( ) 1000 yen		

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
(3) Other Activities					
Total				100	

FY2018 Procedures for Preparing and Entering Research Proposal Document (items to be entered in the Website) (Grant-in-Aid for Scientific Research (S))

The confirmation of the content of the application and the preparation of the review material is based on the "Research Proposal Document (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 review, or it is possible that the research project will not be accepted for review, because of the content entered. Therefore, the applicant should prepare the Research Proposal Document with care.

Also, a part of content entered (title of Proposed Research Project, information of project member, effort, etc.) will be provided to the e-Rad.

Please select "application information input" of Scientific Research (S) from the "List of Research Categories. The "Management of Research Proposal Document" screen will be displayed. Next, please select "application information input" in the entered application information ("Research Project Information", "Main Existing Equipment", "Details of Research Expenditure and Their Necessity", "The Status of Application and Acquisition of Research Grants"). The respective input screen will be displayed. On the screen of each input, if the "Japanese ▶ English" button at the upper left of the screen is clicked, then the explanations are translated into English.

"Research Project Information" input screen

1. New proposal or continued

The applicant should select the appropriate item from among "New Proposal".

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". Applicant should consult in advance with the Research Aid Division I of the Research Program Department, in order to know whether the change the applicant wants to make falls under this category.

2. Research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project

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 "Research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project (*cf*. Application Procedures for Grants-in-Aid for Scientific Research)". If he or she makes an application under the category "Research proposal

submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project", he or she should enter the project number of the Grant-in-Aid (continued) of which FY2018 is the final fiscal year. Moreover, he or she should be sure to fill in the necessary information in the column "items to be filled in when making research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project" of the Research Proposal Document (forms to be uploaded) he or she is preparing.

3. Section Desired the Review

In "Grants-in-Aid for Scientific Research-KAKENHI-, Review Section Table" (hereinafter referred to as "Review Section Table"), please select a Broad Section (A-K) which you wish to be reviewed.

4. Firstly related to Medium-sized Section / Firstly related to Basic Section / Secondly related to Basic Section

Please select one Medium-sized Section (01-64, 90) firstly related to the research project from the Review Section Table. Next, please select one Basic Section (01010-90150) firstly related to the research project from the Review Section Table. Also, for Basic Section, it is possible to select optionally one more section as secondly related to Basic Section. (This content is not converted to the PDF file.)

5. Name of the Principal Investigator

The information on Principal Investigator which has been registered in advance from the research institution will be automatically displayed. Principal Investigator in question should verify whether his/her name has been displayed correctly.

If there is an error, please temporarily save the input data, then contact the secretariat of your research institution and follow the instructions.

6. Research Institution, Academic Unit (School, Faculty, etc.) and Position of the Principal Investigator

The information on Principal Investigator which has been registered in advance from the research institution will be automatically displayed. Principal Investigator should verify whether the information on his/her professional affiliation has been displayed correctly at the time he or she is preparing the Research Proposal Document.

(1) **In the column "Academic Unit (School, Faculty, etc.)"**, if the name of the academic unit that is automatically displayed 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 name column.)

(2) **In the column "Position"**, if the name of the position that is automatically displayed 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 the Research Project

In the column "Title of Proposed Research Project", the applicant should enter a title for the proposed research project 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.) If there are only double-byte characters or double-byte and single-byte characters, you can enter up to 40 letters, and if there are only one-byte characters, up to 200 letters can be entered.

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))

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

8. Request for disclosure

The applicant should select the appropriate item from among "I request to be informed of comments from the reviewers: Yes" or "I request to be informed of comments from the reviewers: No", for the results ("approximate ranking per the Broad Section" and "opinions expressed in the review results") of the review , in case his/her proposed project is not selected.

* "Disclosure" of the review results will be made only to the applicant through the electronic application system (Except for the applicant, the results cannot be viewed by anyone including the person(s) belong to the research institution).

9. Contact Information of the Principal Investigator

In the "Contact Information of the Principal Investigator" column, please enter information of in case that direct contact of the Principal Investigator is required (for example, the work address is not the location of the head office but the campus where the Principal Investigator (PI) actually works.).

10. Project Members List

Concerning the planned research of "Scientific Research (S)" as the occasion demands, it is possible to involve the "Co-Investigator", the "Collaborating Researcher", and the "Research Collaborator" in the research. For the definitions of "Principal Investigator", "Co-Investigator", "Collaborating Researcher", "Research Collaborator", please refer Application Procedures for Grants-in-Aid for Scientific Research.

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

(1) **Concerning the entry column for the Project Members List (Principal Investigator, Co-Investigator, Collaborating Researcher)**, when pressing the button "Add" on the left side of the entry screen one time, the edit box in which the data need to be entered is displayed additionally. Add number of researchers as needed.

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 column "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 column "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.

(2) **The distinction Co-Investigator and Collaborating Researcher**

The applicant should select the appropriate item from among "Co-I" (Co-Investigator) and "CR" (Collaborating Researcher) in the column "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 does not have to enter them in the Project Members List of the proposed project in question. When the applicant mention about Research Collaborator in the Research Proposal Document, if necessary, the applicant can mention them in a column where he or she explains the overall research plan, for example, in the column "Research Objectives, Research Method, etc.".

(4) **Information on the researchers ((1) Researcher Number, (2) Name (Pronunciation in katakana and Kanji), (3) Age (as of April 1, 2018), (4) Position, Academic Unit (School, Faculty, etc.), Research Institution, and (5) 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 (School, Faculty, etc.), and 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 displayed correctly.

(5) **In the column "Academic Unit (School, Faculty, etc.)"**, if the name in the "list of numbers for academic units" 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) **In the column "Position"**, if the name in the "list of numbers for 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 column "Role in this Project"**, the applicant should fill in, how the Principal Investigator, the Co-Investigator(s) and Collaborating Researcher 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 FY2018.

(8) **In the column "Research Expenditure for FY2018"**, the share of the Grant-in-Aid to the Principal Investigator and the Co-Investigator(s) should be entered in units of thousand yen, based on the research plan. Since Collaborating Researcher 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 "Research Expenditure for FY2018" displayed in the screen. If it does not correspond, "error" is displayed on the confirmation screen, the data have been entered.

(9) **In the column "Effort"**, the applicant should enter the time allocation rate (an integral number between 1 and 100) of the Principal Investigator and the Co-Investigator, assuming that the research project for which the current application is being made would be selected (The column for Collaborating Researcher 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 confirm the effort anew at that time and to perform the procedure of formal application for grant delivery. If the effort is changed at that time, it is necessary to correct the effort in e-Rad before formal application for grant delivery.

"Main Existing Equipment" input screen

1. Main Existing Equipment

    In this column, please input the existing equipments that can be used for this research project based on the Research Proposal Document (forms to be uploaded) about "Main Existing Equipment".

    In addition, in case of communal use equipment or communal use with other research project, please enter the availability time per week and other explanation in the remarks. Also, please enter the calendar year in year of installation.

"Details of Research Expenditure and Their Necessity" input screen

1. Details of Research Expenditure and Their Necessity

    In this column, please input the details of each expense required for this research proposal based on the Research Proposal Document (forms to be uploaded) about "Details of Research Expenditure and Their Necessity".

    In that case, please pay attention to "target expenditure (direct cost)" and "non-eligible expenditure" described below. Also, please be aware that research plan with research expenditure less than 100,000 yen in any year of the research period will not be eligible for call for proposal.

"Target expenditure (direct expenditure)"

The expenditure necessary for the implementation of the research plan (including the budget necessary for summarizing the research achievements) is eligible.

"Ineligible expenditure"

The following expenditures are not included in the funding:

① Expenditure for buildings and other facilities (excluding the expenditure for minor installations which became necessary because of the introduction of goods that have been purchased by means of direct expenditure)

② Expenditure for handling accidents or disasters that occurred during the implementation of funded project

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③　Personnel cost/Honoraria for the Principal Investigator or Co-Investigator(s)

④　Other expenditure which fall under indirect expenditure*

　＊　Indirect expenditure is expenditure 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 expenditure). The expenditure is used by the research institution. This time, it is scheduled to set up indirect expenditure for the research categories for which a call for proposals is organized. However, the Principal Investigator does not need to state that indirect expenditure in the Research Proposal Document.

Research expenditure and usage breakdown are automatically calculated from the details of each expense. In the detail column of each expenditure, the data input column is displayed by pushing the necessary number of "Add" button on the left side of the input screen. For data entry fields that you do not use (if you have entered but do not use it or if you did not enter at all), please delete the data entry field by pressing the "Delete" button on the left side. Please enter the amount in thousand yen units and round off fractions smaller than one thousand yen. After completing all the details of each expense, please click the recalculate button.

Please note the following points when entering details of each expense.

○ Equipment Costs

When purchasing a large number of books and materials, please input to some extent, such as the contents of the books and materials, as "Western medieval political history related books". Also, in the case of machinery and equipment, simply enter a set of ○ ○ ○ as well as its breakdown.

○ Necessity of Equipment Costs

Please enter the necessity and breakdown of the equipment cost you entered. For major items and expensive items, please input their reasons that their performance is necessary for research and why the existing equipment cannot be utilized. In any fiscal year of this research, if the "equipment costs" exceeds 90% of the total research expenditure, you must enter the necessity of the expenditure to carry out the research and its breakdown.

○ Consumables Expenses

Please enter for each product name such as chemicals, laboratory animals, glassware, etc.

○Travel Expenses

As for the domestic and overseas travel expenses for Principal Investigator, Co-Investigator(s), Collaborating Researcher, and Research Collaborators (data collection, various investigations, meetings of research, announcement of results of research, etc.), please enter the expenditures (transportation fee, accommodation fee, daily allowance) etc. for each matter.

○ Personnel Cost / Honoraria

Please enter the expenditures for each matter such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) who 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)

○ Miscellaneous Expenses

Except for equipment cost, consumables expenses, travel expenses, personnel cost / honoraria, please enter the expenditures to carry out the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (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) for each matter.

○ Necessity of Consumable expenses, Travel Expenses, Personnel Cost / Honoraria, and Miscellaneous Expenses

Please enter the necessity and the basis of the estimation of consumable expenses, travel expenses, personnel cost / honoraria, and miscellaneous expenses you entered. In any fiscal year of this research plan, if the "travel expenses" and / or "personnel cost / honoraria" exceeds 90% of the total research expenses and there is expenses which accounts for a particularly large proportion in "consumable expenses" or "miscellaneous expenses", you must enter the necessity of the expenditure to carry out the research and its breakdown.

"The Status of Application and Acquisition of Research Grants" input screen

1) "The Status of Application and Acquisition of Research Grants"

The entries in this column will be referred to by the review committee in order to ensure that the grant status would not constitute a case of "unreasonable duplication and/or excessive concentration in the grant allocation" so that the proposed research project can be duly carried out in parallel with other projects. List, at the time of submission of this KAKENHI application by Principal Investigator and Co-Investigator, please input (1) research grant application(s) in the review process, (2) research grant(s) adopted and to be delivered, and (3) other activities.

・Please enter "distinction of the research contents and reason for submission of this KAKENHI application in addition to the other projects" and "total research expenditure for the whole research period" of this research project to be entered at the head of "(1) research grant application(s) in the review process".

・Please enter not only KAKENHI but also other competitive funding system in "(1) research grant application(s) in the review process" and "(2) research grant(s) adopted and to be delivered".

・Please also enter research grants to be allocated competitively within the research institution to which you belong in "(1) research grant application(s) in the review process" or "(2) research grant(s) adopted and to be delivered".

・There is no need to enter the fundamental research grants that are allocated uniformly so that research activities etc. can carry out as duties within their research institution in "(1) research grant application(s) in the review process" or "(2) research grant(s) adopted and to be delivered". The effort of the research activities that utilize such grants is included in "(3) other activities". Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as Collaborating Researcher is included in "(3) other activities".

・If the applicant is a Research Fellowship for Young Scientists (SPD/PD/RPD) and plan to receive a Grant-in-Aid for JSPS Fellows in FY2018, please enter it in "(2) research grant(s) adopted and to be delivered". Moreover, please do not enter the Grant-in-Aid that is paid monthly by JSPS (research implementation costs).

・In the "Effort" column, please enter the percentage of hours allocated to each research project, with the total yearly working hours set at 100%.

In the detail column of "(1) research grant application(s) in the review process" and "(2) research grant(s) adopted and to be delivered", the data input column is displayed by pushing the necessary number of "Add" button on the left side of the input screen. For data entry fields that you do not use (if you have entered but do not use it or if you did not enter at all), please delete the data entry field by pressing the "Delete" button on the left side.

○ " Role in this Project"

Please select "PI" if the role of the researcher is a Principal Investigator or select "Co-I" if the role of the researcher is a Co-Investigator.

○ " Funding Scheme, Grant Category (Funding Organization)"

In case of KAKENHI, please select the research category. For cases other than KAKENHI, please select "Other" and enter the name of the research grant and the name of the funding organization in the lower row.

○ "Research Period"

Please enter the research period.

○ "Title of Proposed Research Project"

Please enter the title of proposed research project.

○ "Name of Principal Investigator"

If applicant select "Co-I" in the column of Role in the Project, please enter the name of the Principal Investigator (or equivalent) of the research subject.

○ "Research Expenditure for FY2018 (Research Expenditure for the whole period) (Unit: thousand yen)"

Enter the amount of direct cost of research expenditure to be received and used by himself / herself in FY2018 (items under application is the applied amount) in the upper row, and at the same time enter the total amount (planned amount) to be used by himself / herself during the whole period in the lower row.

If applicant select "Co-I" in the column of Role in the Project, please enter the amount of contribution (planned amount) to be received and used by himself / herself in FY2018 in the upper row, and at the same time enter the total amount of contribution (planned amount) to be used by himself / herself during the whole period in the lower row. (Please enter "0" if contributions are not distributed in the respective column.

○ "Effort Percentage in FY2018 (%)"

Based on 100% of the total working hours for "(1) research grant application(s) in the review process", (2) research grant(s) adopted and to be delivered" and "(3) other activities" to be entered in this column, please enter the allocation rate (%) of the time required for conducting activities etc. The "total working hours" does not mean time

spent only on research activities, but entire actual working time, including time spent on educational activities and other activities.

In KAKENHI, please enter "-" (hyphen) if applicant enter a research category (such as Specially Promoted Research) that can be duplicated but not adopted in duplicate.

In addition, when conducting research by the competitive funding system, please be sure to enter the effort related to the research activity. When the research project for which the current application is being made is selected, the applicant will be requested to confirm the effort anew at that time and to perform the procedure of formal application for grant delivery. If the effort is changed at that time, it is necessary to correct the effort it e-Rad before formal application for grant delivery.

○ "Distinction of the research contents and reason for submission of this KAKENHI application in addition to the other projects"

Please explicitly enter the items focusing on the research grant application(s) in the review process or research grant(s) adopted and to be delivered, distinction of the research contents, and reason for submission of this KAKENHI application in addition to the other projects of the research project.

If applicant is a Principal Investigator of KAKENHI, please enter the total amount of direct cost for the whole research period in that column.

※ **Web** 入力項目の画面につきましては、９月下旬に公開予定の

電子申請システムをご覧ください。

* For the screen of items to be entered in the Website, please see the Electronic Application System planned to open in late September.

FY2018 Procedures for Preparing and Entering a Research Proposal Document for "Scientific Research (A/B/C) (General)", "Early-Career Scientists" (New Proposal)

Applicants for KAKENHI should fill in this Research Proposal Document, 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 referred to as JSPS) prior to application. This Research Proposal Document is used as review material at the JSPS Scientific Research Review 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 review at the Scientific Research Review Committee, a notice concerning the provisional grant decision is issued. The application will be submitted based on the notice. A KAKENHI will be disbursed if the research plan is deemed appropriate.

Items to be noted

* **This Procedures for Preparing and Entering is to be used to prepare Research Proposal Document for "Scientific Research A (General)" reviewed by the "Medium-sized Section", "Scientific Research B/C (General) and "Early-Career Scientists" reviewed by the "Basic Section" as "New Application" (including an application for a grant for the fiscal year before the final fiscal year of a research plan)".**

* **When preparing the Research Proposal Document, the Principal Investigator should make the preparations with responsibility, in accordance with the rules set forth in the Application Procedures.**

* **Make sure that the title of each column is at the top of the page. Also, please do not exceed the number of pages specified for each item. As a result of filling according to the instructions of each item, blank pages may be generated.**

* **Applicant can delete the sentences indicated by "*" on the form.**

* **Research Proposal Document prepared in English will be accepted.**

* **Before submitting, be sure to check whether the contents of the Research Proposal Document converted to the PDF file are complete (missing characters, charts, garbled characters, etc.).**

I. Style setting

The margin of style is set with upper 20 mm, lower 20 mm, left 25 mm, and right 25 mm. Please do not change the setting margins because there is a risk of missing characters etc. when preparing the review material.

II. Research Proposal Document (to be entered in the website)

The following items are "to be entered in the website" of the "Research Proposal Document". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter referred to as "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)", which has been provided by the research institution to which they belong, and directly enter their data.

The items to be entered in the website constitute the first part ("Section desired the review", "Name of Principal Investigator (PI)" etc.) and the second part ("Research Expenditures and Their Necessity", "The Status of Application and Acquisition of Research Grants") of the Research Proposal Document (PDF file) that is prepared using the Electronic Application System.

For procedures for entering items to be entered in the website, please refer to the "FY2018 Procedures for Preparing and Entering a Research Proposal Document" (to be entered in the website) ("Scientific Research (A/B/C)", "Challenging Research (Pioneering / Exploratory)", "Early-Career Scientists").

Items to be entered in the Website (First half)
- New Proposal or Continued
- With or without Application for a Grant for the Fiscal Year before the Final Fiscal Year of a Research Plan
- Section Desired the Review
- Name of the Principal Investigator
- Position, Academic Unit (School, Faculty, etc.), and Research Institution of the Principal Investigator
- Academic Degree and Effort (*only for "Early-Career Scientists")
- Ph.D. Acquisition Planned Date (*only for "Early-Career Scientists")
- Application Requirements (*only for "Early-Career Scientists")
- Title of the Research Project
- Request for Disclosure
- Project Members (*Except "Early-Career Scientists")

Items to be entered in the Website (Second half)
- Research Expenditures and Their Necessity
- The Status of Application and Acquisition of Research Grants

III. Research Proposal Document (forms to be uploaded)

The following items are contents on the "Research Proposal Document (forms to be uploaded)". They constitute the intermediate part of the Research Proposal Document (PDF file).

The Principal Investigator should download the "Research Proposal Document (forms to be uploaded)" from the JSPS website for Grants-in-Aid for Scientific Research, and fill it in. He or she should then access the "Electronic Application System", and upload the filled-in file to the "Electronic Application System". (Files above 3 MB cannot be uploaded.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each column should be observed. Characters and symbols in <u>11-point font size or larger</u> should be used, considering large number of application forms for research project will be reviewed.

(1) "Research Objectives, Research Method etc." column

In this column, the description should be given what kind of research you plan and its summary in this proposal in accordance with the instruction specified in the Research Proposal Document to be submitted this time so that the overall structure can be clarified.

(2) "Research Development Leading to Conception of the Present Research Proposal, etc." column

In this column, the description should be given the characteristics of the research in accordance with the instruction specified in the Research Proposal Document so that the review committee will better understand the research proposal to be submitted this time.

Please describe the research activities that the applicant thinks is important to "(3) applicant's hitherto research activities". Applicant may describe activities that show applicant's ability to perform research as well. For example, there are research that leads to outcomes and research that could discover new issues in things that was not successful. (In this case, applicant may quote the paper or scientific presentation etc. entered in the "Research Achievements" column).

In addition, applicant can describe the period during which research was suspended, such as maternity leave and childcare leave, interruption due to acquisition of long-term care leave.

(3) "Applicant's hitherto research activities" column (Applicant for Early-Career Scientists)

In this column, the description should be given the applicant's hitherto research activities in accordance with the instruction specified in the Research Proposal Document.

Please describe the research activities that the applicant thinks is important. Applicant may describe activities that show applicant's ability to perform research as well. For example, there

are research that leads to outcomes and research that could discover new issues in things that was not successful. (In this case, applicant may quote the paper or scientific presentation etc. entered in the "Research Achievements" column.).

In addition, applicant can describe the period during which research was suspended, such as maternity leave and childcare leave, interruption due to acquisition of long-term care leave.

(4) "Research Achievements of the Principal Investigator and Co-Investigator(s) (Co-I(s))" column (For Early-Career Scientists, "Research Achievements of the Principal Investigator" column)

Please enter in accordance with the instruction specified in the Research Proposal Document. In addition, when writing a paper, if there is no page number display by electronic journals etc., it is unnecessary to enter "first and last page". In addition, if you have intellectual property rights such as patents, please indicate that fact. (Patent application number, etc.)

(5) "Issues Relevant to Human Right Protection and Legal Compliance" column

Please enter in accordance with the instruction specified in the Research Proposal Document. If the proposed research does not fall under such categories, enter "N/A (not applicable)".

(6) "Items to be Entered When New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project" column

If applicant is newly applying as "New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project" (*cf.* Application Procedures for Grants-in-Aid for Scientific Research), please enter in accordance with the instruction specified in the Research Proposal Document.

* In the column of "Research Expenditure and Their Necessity" and "The Status of Application and Acquisition of Research Grants", the description should be entered by the Electronic Application System starting from FY2018 Application for Research Proposal Document. When entering in this column, please refer to "FY2018 Procedures for Preparing and Entering a Research Proposal Document (items to be entered in the website) ("Scientific Research (A/B/C)", "Challenging Research (Pioneering/Exploratory)", "Early-Career Scientists Research")".

平成30年度(2018年度)　基盤研究（A）（一般）研究計画調書
RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR SCIENTIFIC RESEARCH (A) (General) (FY2018)

平成XX 年XX月XX日
September 1st, 2017
1版
1st edition

新規
New Proposal

研究種目 **Research Category**	基盤研究(A) Scientific Research (A)	応募区分 Application Section	一般 General			
中区分 **Review Section (Medium-sized Section)**						
研究代表者氏名 **Principal Investigator (PI)**	（フリガナ）					
	（漢字等） Name (in Roman letters)					
所属研究機関 **Research Institution**						
部　局 **Academic Unit (School, Faculty, etc.)**						
職 **Position**						
研究課題名 **Title of Proposed Research Project**						

研 究 経 費 **Research Expenditure (1000 yen)** 千円未満の端数は 切り捨てる **Round off fractions smaller than 1000 yen.**	年度 **Fiscal Year**	研究経費 （千円） Annual Expenditure (1000 yen)	使用内訳（千円） **Breakdown (1000 yen)**				
			設備備品費 **Equipment Costs**	消耗品費 **Consumables Expenses**	旅費 **Travel Expenses**	人件費・謝金 **Personnel cost /Honoraria**	その他 **Miscellaneous Expenses**
	平成30年度 **FY2018**						
	平成31年度 **FY2019**						
	平成32年度 **FY2020**						
	平成33年度 **FY2021**						
	平成34年度 **FY2022**						
	総計 **Sum Total**						

開示希望の有無 **Request for disclosure**	
研究計画最終年度前年度応募 **Research proposal submission in the fiscal year previous to the final fiscal year of an on-going research project**	--

研究組織（研究代表者、研究分担者及び連携研究者）
Project Members List (Principal Investigator (PI), Co-Investigator (Co-I) and Collaborating Researcher (CR))

	氏名（年齢） Name (Age)	所属研究機関 **Research Institution** 部局 **Academic Unit (School, Faculty, etc.)** 職 **Position**	学 位 **Academic Degree** 役割分担 **Role in this Project**	平成30年度 研究経費 （千円） **Research Expenditure for FY2018** (Unit: 1,000 yen)	エフォート(%) **Effort** (%)
研究代表者 **PI**	00000000　　(00)	(00000) (000) (00)			
研究分担者 **Co -I**	00000000　　(00)	(00000) (000) (00)			
連携研究者 **CR**	00000000　　(00)	(00000) (000) (00)		–	–
合計 00 名 **Total Number of Members: 00**		研究経費合計 **Total Research Expenditure**			

00000-000-00-0000

1. Research Objectives, Research Method, etc.

This research proposal will be reviewed in the Medium-sized Section of the applicant's choice. In filling this application form, refer to the Application Procedures for Grants-in-Aid for Scientific Research -KAKENHI-.

In this column, research objectives, research method, etc. should be described within 4 pages.

A succinct summary of the research proposal should be given at the beginning.

The main text should give descriptions, in concrete and clear terms, of (1) scientific background for the proposed research, and the "key scientific question" comprising the core of the research plan, (2) the purpose, scientific significance, and originality of the research project, and (3) what will be elucidated, and to what extent and how will it be pursued during the research period.

If the proposed research project involves Co-Investigator(s), a concrete description of the role-sharing between the Principal Investigator and the Co-Investigator(s) should be given.

[SUMMARY] *Describe in about 10 lines

[MAIN TEXT]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

- 99 -

2. Research Development Leading to Conception of the Present Research Proposal, etc.

In this column, descriptions should be given within 2 pages, of (1) applicant's research history leading to the conception of this research proposal, (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field, (3) applicant's hitherto research activities, and (4) preparation status and feasibility of the research plan.

If the applicant has taken leave of absence from research activity for some period (e.g. due to maternity and/or child-care), he/she may choose to write about it in "(3) applicant's hitherto research activities".

[2. Research Development Leading to Conception of the Present Research Proposal, etc. (continued from the previous page)]

3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s))

In this column, selected research outputs by the PI and Co-I(s) such as papers, books, patents, and invited talks, should be listed within 2 pages. The list items should be numbered in a chronological (either descending or ascending) order. Papers under submission can be included only if they are already accepted for publication.

For a research paper in an academic journal, the title, author(s), journal, refereed or not, volume, first and last pages, and publication year should be given. (As long as all items of information are given, their order is unimportant.) For a paper with a very long author list, it is permissible to show only the names of principal authors. In that case, write the number of coauthors, and indicate the order of the PI (or Co-I) in the author list (e.g. 3rd of 18 authors).

The name of PI in the author list should be doubly underscored, while Co-I(s) should be singly underscored.

[3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s)) (continued from the previous page)]

4. Issues Relevant to Human Right Protection and Legal Compliance
 (*cf*. Application Procedures for Grants-in-Aid for Scientific Research)

In case the proposed research involves such issues that require obtaining consent and/or cooperation of the third party, consideration in handling of personal information, or actions related bioethics and/or biosafety, the planned measures and actions for these issues should be stated within 1 page.

This applies to research activities that would require approval by an internal or external ethical jury, such as research involving questionnaire surveys and/or interviews including personal information, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

If the proposed research does not fall under such categories, enter "N/A (not applicable)".

5. Items to be Entered When New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project

(For an application that comes under this category, this column is a mandatory entry.

(*cf*. Application Procedures for Grants-in-Aid for Scientific Research))

In this column, the applicant should give: (1) the relevant information on the on-going project (for which FY2018 is the final year of the research period) including the original plan at the time of application/adoption and the research accomplishment such as new knowledge acquired, and (2) the reason why he/she is submitting this new proposal for FY2018 on top of the on-going project (in terms of the development of the on-going research, necessity of new research budget, etc.).

If not applicable, leave this page blank. (Do not eliminate the page.)

Research Category	Project Number	Title of the Research Project	Research Period
			FY___ to FY2018

The original plan at the time of application/adoption and the research accomplishment of the on-going project. *Describe in about 10 lines.

The reason for submission of this new proposal. *Describe in about 10 lines.

Scientific Research (A) (General) 11-( )

Research Expenditure and Their Necessity

unit: 1000 yen

FY	Details of the Equipment Costs					Details of the Consumables Expenses	
	Item(Specification)	Place of Installation (Institution)	Quantity	Unit Price	Amount	Item	Amount

Necessity of the Equipment Costs and the Consumables Expenses

FY	Details of the Domestic Travel Expenses		Details of the Overseas Travel Expenses		Details of the Personnel Cost /Honoraria		Details of the Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount
Necessity of Travel Expenses, Personnel Cost/Honoraria, and Miscellaneous Items								

Scientific Research (A) (General) 13-( )

Name						
Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)	
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Proj ect	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
(3) Other Activities					
Total				100	

| 1 | 2 |

The item names written in English in the first two pages of this form (to be entered in the Website) are provided for the convenience of non-Japanese applicants. Only the Japanese item names will be shown when this form is sent to reviewers.

平成30年度(2018年度)　基盤研究（Ｂ）（一般）研究計画調書
RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR SCIENTIFIC RESEARCH (B) (General) (FY2018)

平成XX 年XX月XX日
September 1st, 2017
1版
1st edition

新規
New Proposal

研究種目 Research Category	基盤研究(B) Scientific Research (B)	応募区分 Application Section	一般 General			
小区分 Review Section (Basic Section)						
研究代表者氏名 Principal Investigator (PI)	（フリガナ）					
	（漢字等） Name (in Roman letters)					
所属研究機関 Research Institution						
部　局 Academic Unit (School, Faculty, etc.)						
職 Position						
研究課題名 Title of Proposed Research Project						

研 究 経 費 Research Expenditure (1000 yen) 千円未満の端数は 切り捨てる Round off fractions smaller than 1000 yen.	年度 Fiscal Year	研究経費 （千円） Annual Expenditure (1000 yen)	使用内訳（千円） Breakdown (1000 yen)				
			設備備品費 Equipment Costs	消耗品費 Consumables Expenses	旅費 Travel Expenses	人件費・謝金 Personnel cost /Honoraria	その他 Miscellaneous Expenses
	平成30年度 FY2018						
	平成31年度 FY2019						
	平成32年度 FY2020						
	平成33年度 FY2021						
	平成34年度 FY2022						
	総計 Sum Total						

開示希望の有無 Request for disclosure	
研究計画最終年度前年度応募 Research proposal submission in the fiscal year previous to the final fiscal year of an on-going research project	--

研究組織（研究代表者、研究分担者及び連携研究者）
Project Members List (Principal Investigator (PI), Co-Investigator (Co-I) and Collaborating Researcher (CR))

	氏名（年齢） Name (Age)	所属研究機関 **Research Institution** 部局 **Academic Unit (School, Faculty, etc.)** 職 **Position**	学 位 **Academic Degree** 役割分担 **Role in this Project**	平成30年度 研究経費 （千円） **Research Expenditure for FY2018** **(Unit: 1,000 yen)**	エフォート(%) **Effort** **(%)**
研究代表者 PI	00000000　　(00)	(00000) (000) (00)			
研究分担者 Co-I	00000000　　(00)	(00000) (000) (00)			
連携研究者 CR	00000000　　(00)	(00000) (000) (00)		–	–
合計 00 名 **Total Number of Members: 00**			研究経費合計 **Total Research Expenditure**		

00000-000-00-0000

Scientific Research (B) (General) 1

1. Research Objectives, Research Method, etc.

This research proposal will be reviewed in the Basic Section of the applicant's choice. In filling this application form, refer to the Application Procedures for Grants-in-Aid for Scientific Research -KAKENHI-.

In this column, research objectives, research method, etc. should be described within 3 pages.

A succinct summary of the research proposal should be given at the beginning.

The main text should give descriptions, in concrete and clear terms, of (1) scientific background for the proposed research, and the "key scientific question" comprising the core of the research plan, (2) the purpose, scientific significance, and originality of the research project, and (3) what will be elucidated, and to what extent and how will it be pursued during the research period.

If the proposed research project involves Co-Investigator(s), a concrete description of the role-sharing between the Principal Investigator and the Co-Investigator(s) should be given.

[SUMMARY] *Describe in about 10 lines

[MAIN TEXT]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

2. Research Development Leading to Conception of the Present Research Proposal, etc.

In this column, descriptions should be given within 2 pages, of (1) applicant's research history leading to the conception of this research proposal, (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field, (3) applicant's hitherto research activities, and (4) preparation status and feasibility of the research plan.

If the applicant has taken leave of absence from research activity for some period (e.g. due to maternity and/or child-care), he/she may choose to write about it in "(3) applicant's hitherto research activities".

[2. Research Development Leading to Conception of the Present Research Proposal, etc. (continued from the previous page)]

- 116 -

3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s))

In this column, selected research outputs by the PI and Co-I(s) such as papers, books, patents, and invited talks, should be listed within 2 pages. The list items should be numbered in a chronological (either descending or ascending) order. Papers under submission can be included only if they are already accepted for publication.

For a research paper in an academic journal, the title, author(s), journal, refereed or not, volume, first and last pages, and publication year should be given. (As long as all items of information are given, their order is unimportant.) For a paper with a very long author list, it is permissible to show only the names of principal authors. In that case, write the number of coauthors, and indicate the order of the PI (or Co-I) in the author list (e.g. 3rd of 18 authors).

The name of PI in the author list should be doubly underscored, while Co-I(s) should be singly underscored.

[3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s)) (continued from the previous page)]

4. Issues Relevant to Human Right Protection and Legal Compliance
(*cf*. Application Procedures for Grants-in-Aid for Scientific Research)

In case the proposed research involves such issues that require obtaining consent and/or cooperation of the third party, consideration in handling of personal information, or actions related bioethics and/or biosafety, the planned measures and actions for these issues should be stated within 1 page.

This applies to research activities that would require approval by an internal or external ethical jury, such as research involving questionnaire surveys and/or interviews including personal information, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

If the proposed research does not fall under such categories, enter "N/A (not applicable)".

5. Items to be Entered When New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project

(For an application that comes under this category, this column is a mandatory entry.
(*cf*. Application Procedures for Grants-in-Aid for Scientific Research))

In this column, the applicant should give: (1) the relevant information on the on-going project (for which FY2018 is the final year of the research period) including the original plan at the time of application/adoption and the research accomplishment such as new knowledge acquired, and (2) the reason why he/she is submitting this new proposal for FY2018 on top of the on-going project (in terms of the development of the on-going research, necessity of new research budget, etc.).

If not applicable, leave this page blank. (Do not eliminate the page.)

Research Category	Project Number	Title of the Research Project	Research Period
			FY___ to FY2018

The original plan at the time of application/adoption and the research accomplishment of the on-going project. *Describe in about 10 lines.

The reason for submission of this new proposal. *Describe in about 10 lines.

Scientific Research (B) (General) 10-( )

Research Expenditure and Their Necessity

unit: 1000 yen

FY	Details of the Equipment Costs					Details of the Consumables Expenses	
	Item(Specification)	Place of Installation (Institution)	Quantity	Unit Price	Amount	Item	Amount

Necessity of the Equipment Costs and the Consumables Expenses

FY	Details of the Domestic Travel Expenses		Details of the Overseas Travel Expenses		Details of the Personnel Cost /Honoraria		Details of the Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Necessity of Travel Expenses, Personnel Cost/Honoraria, and Miscellaneous Items

(1) Grants in the Application Stage

Name						
Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)	
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
(3) Other Activities					
Total				100	

1	2

The item names written in English in the first two pages of this form (to be entered in the Website) are provided for the convenience of non-Japanese applicants. Only the Japanese item names will be shown when this form is sent to reviewers.

平成30年度(2018年度) 基盤研究（C）（一般）研究計画調書
RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR SCIENTIFIC RESEARCH (C) (General) (FY2018)

平成XX 年XX月XX日
September 1st, 2017
1版
1st edition

新規
New Proposal

<table>
<tr><td>研究種目
Research Category</td><td colspan="2">基盤研究(C)
Scientific Research (C)</td><td>応募区分
Application Section</td><td>一般
General</td></tr>
<tr><td>小区分
Review Section
(Basic Section)</td><td colspan="4"></td></tr>
<tr><td rowspan="2">研究代表者氏名
Principal
Investigator (PI)</td><td>（フリガナ）</td><td colspan="3"></td></tr>
<tr><td>（漢字等）
Name (in Roman letters)</td><td colspan="3"></td></tr>
<tr><td>所属研究機関
Research Institution</td><td colspan="4"></td></tr>
<tr><td>部　局
Academic Unit
(School, Faculty, etc.)</td><td colspan="4"></td></tr>
<tr><td>職
Position</td><td colspan="4"></td></tr>
<tr><td>研究課題名
Title of Proposed
Research Project</td><td colspan="4"></td></tr>
</table>

研 究 経 費
Research Expenditure
(1000 yen)

千円未満の端数は
切り捨てる
Round off
fractions smaller
than 1000 yen.

年度 Fiscal Year	研究経費 （千円） Annual Expenditure (1000 yen)	使用内訳（千円） Breakdown (1000 yen)				
		設備備品費 Equipment Costs	消耗品費 Consumables Expenses	旅費 Travel Expenses	人件費･謝金 Personnel cost /Honoraria	その他 Miscellaneous Expenses
平成30年度 FY2018						
平成31年度 FY2019						
平成32年度 FY2020						
平成33年度 FY2021						
平成34年度 FY2022						
総計 Sum Total						

開示希望の有無 Request for disclosure	
研究計画最終年度前年度応募 Research proposal submission in the fiscal year previous to the final fiscal year of an on-going research project	--

研究組織（研究代表者、研究分担者及び連携研究者）
Project Members List (Principal Investigator (PI), Co-Investigator (Co-I) and Collaborating Researcher (CR))

	氏名（年齢） Name (Age)	所属研究機関 **Research Institution** 部局 **Academic Unit (School, Faculty, etc.)** 職 **Position**	学 位 **Academic Degree** 役割分担 **Role in this Project**	平成30年度 研究経費 （千円） **Research Expenditure for FY2018** **(Unit: 1,000 yen)**	エフォート（%） **Effort (%)**
研究代表者 PI	00000000　(00)	(00000) (000) (00)			
研究分担者 Co-I	00000000　(00)	(00000) (000) (00)			
連携研究者 CR	00000000　(00)	(00000) (000) (00)		–	–
合計 00 名 **Total Number of Members: 00**		研究経費合計 **Total Research Expenditure**			

00000-000-00-0000

1. Research Objectives, Research Method, etc.

This research proposal will be reviewed in the Basic Section of the applicant's choice. In filling this application form, refer to the Application Procedures for Grants-in-Aid for Scientific Research -KAKENHI-.

In this column, research objectives, research method, etc. should be described within 3 pages.

A succinct summary of the research proposal should be given at the beginning.

The main text should give descriptions, in concrete and clear terms, of (1) scientific background for the proposed research, and the "key scientific question" comprising the core of the research plan, (2) the purpose, scientific significance, and originality of the research project, and (3) what will be elucidated, and to what extent and how will it be pursued during the research period.

If the proposed research project involves Co-Investigator(s), a concrete description of the role-sharing between the Principal Investigator and the Co-Investigator(s) should be given.

[SUMMARY] *Describe in about 10 lines

[MAIN TEXT]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

2. Research Development Leading to Conception of the Present Research Proposal, etc.

In this column, descriptions should be given within 1 page, of (1) applicant's research history leading to the conception of this research proposal, (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field, (3) applicant's hitherto research activities, and (4) preparation status and feasibility of the research plan.

If the applicant has taken leave of absence from research activity for some period (e.g. due to maternity and/or child-care), he/she may choose to write about it in "(3) applicant's hitherto research activities".

3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s))

In this column, selected research outputs by the PI and Co-I(s) such as papers, books, patents, and invited talks, should be listed within 2 pages. The list items should be numbered in a chronological (either descending or ascending) order. Papers under submission can be included only if they are already accepted for publication.

For a research paper in an academic journal, the title, author(s), journal, refereed or not, volume, first and last pages, and publication year should be given. (As long as all items of information are given, their order is unimportant.) For a paper with a very long author list, it is permissible to show only the names of principal authors. In that case, write the number of coauthors, and indicate the order of the PI (or Co-I) in the author list (e.g. 3rd of 18 authors).

The name of PI in the author list should be doubly underscored, while Co-I(s) should be singly underscored.

[3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s)) (continued from the previous page)]

4. Issues Relevant to Human Right Protection and Legal Compliance
  (*cf*. Application Procedures for Grants-in-Aid for Scientific Research)

In case the proposed research involves such issues that require obtaining consent and/or cooperation of the third party, consideration in handling of personal information, or actions related bioethics and/or biosafety, the planned measures and actions for these issues should be stated within 1 page.

This applies to research activities that would require approval by an internal or external ethical jury, such as research involving questionnaire surveys and/or interviews including personal information, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

If the proposed research does not fall under such categories, enter "N/A (not applicable)".

5. Items to be Entered When New Application is Made in the Fiscal Year Previous to the Final Year of the Research Period of an On-Going KAKENHI Project
(For an application that comes under this category, this column is a mandatory entry.
(*cf*. Application Procedures for Grants-in-Aid for Scientific Research))

In this column, the applicant should give: (1) the relevant information on the on-going project (for which FY2018 is the final year of the research period) including the original plan at the time of application/adoption and the research accomplishment such as new knowledge acquired, and (2) the reason why he/she is submitting this new proposal for FY2018 on top of the on-going project (in terms of the development of the on-going research, necessity of new research budget, etc.).

If not applicable, leave this page blank. (Do not eliminate the page.)

Research Category	Project Number	Title of the Research Project	Research Period
			FY___ to FY2018

The original plan at the time of application/adoption and the research accomplishment of the on-going project. *Describe in about 10 lines.

The reason for submission of this new proposal. *Describe in about 10 lines.

Scientific Research (C) (General) 9-( )

Research Expenditure and Their Necessity

unit: 1000 yen

FY	Details of the Equipment Costs					Details of the Consumables Expenses	
	Item(Specification)	Place of Installation (Institution)	Quantity	Unit Price	Amount	Item	Amount

Necessity of the Equipment Costs and the Consumables Expenses

unit: 1000 yen

FY	Details of the Domestic Travel Expenses		Details of the Overseas Travel Expenses		Details of the Personnel Cost /Honoraria		Details of the Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Necessity of Travel Expenses, Personnel Cost/Honoraria, and Miscellaneous Items

Name				30		
Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)	
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
(3) Other Activities					
Total				100	

1	2

The item names written in English in the first two pages of this form (to be entered in the Website) are provided for the convenience of non-Japanese applicants. Only the Japanese item names will be shown when this form is sent to reviewers.

平成30年度（2018年度）　若手研究　研究計画調書
RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR EARLY-CAREER SCIENTISTS (FY2018)

平成XX 年XX月XX日
September 1st, 2017
1版
1st edition

新規
New Proposal

研究種目 **Research Category**	若手研究 Early-Career Scientists					
小区分 **Review Section** **(Basic Section)**						
研究代表者氏名 **Principal Investigator (PI)**	（フリガナ）					
	（漢字等） Name (in Roman letters)					
所属研究機関 **Research Institution**						
部　局 **Academic Unit** **(School, Faculty, etc.)**						
職 **Position**						
学位 **Academic Degree**						
エフォート **Effort**	00%		博士号取得年月日 **Date of Ph.D. Acquisition**			
応募要件 **Application Requirements**						
研究課題名 **Title of Proposed Research Project**						

研　究　経　費 **Research Expenditure** **(1000 yen)** 千円未満の端数は 切り捨てる **Round off fractions smaller than 1000 yen.**	年度 **Fiscal Year**	研究経費 （千円） **Annual Expenditure (1000 yen)**	使用内訳（千円） **Breakdown (1000 yen)**				
			設備備品費 **Equipment Costs**	消耗品費 **Consumables Expenses**	旅費 **Travel Expenses**	人件費・謝金 **Personnel cost /Honoraria**	その他 **Miscellaneous Expenses**
	平成30年度 **FY2018**						
	平成31年度 **FY2019**						
	平成32年度 **FY2020**						
	平成33年度 **FY2021**						
	総計 **Sum Total**						
開示希望の有無 **Request for disclosure**							

1. Research Objectives, Research Method, etc.

This research proposal will be reviewed in the Basic Section of the applicant's choice. In filling this application form, refer to the Application Procedures for Grants-in-Aid for Scientific Research-KAKENHI-.

In this column, research objectives, research method, etc. should be described within 3 pages.

A succinct summary of the research proposal should be given at the beginning.

The main text should give descriptions, in concrete and clear terms, of (1) scientific background for the proposed research, and the "key scientific question" comprising the core of the research plan, (2) the purpose, scientific significance, and originality of the research project, and (3) what will be elucidated, and to what extent and how will it be pursued during the research period.

[SUMMARY] *Describe in about 10 lines

[MAIN TEXT]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

2. Research Development Leading to Conception of the Present Research Proposal, etc.

In this column, descriptions should be given within 1 page, of (1) applicant's research history leading to the conception of this research proposal, (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field, and (3) preparation status and feasibility of the research plan.

3. Applicant's Hitherto Research Activities

In this column, description of the applicant's research activities (including those in graduate school) should be given within 1 page in a retroactive chronological order. Research theme, contents, and noteworthy items (e.g. award etc.) should be given.

If the applicant has taken leave of absence from research activity for some period (e.g. due to maternity and/or child-care), he/she may choose to write about it in this column.

4. Research Achievements of the Principal Investigator (PI)

In this column, selected research outputs such as papers, books, patents, and invited talks, should be listed within 1 page. The list items should be numbered in a chronological (either descending or ascending) order. Papers under submission can be included only if they are already accepted for publication.

For a research paper in an academic journal, the title, author(s), journal, refereed or not, volume, first and last pages, and publication year should be given. (As long as all items of information are given, their order is unimportant.) For a paper with a very long author list, it is permissible to show only the names of principal authors. In that case, write the number of coauthors, and indicate the order of the PI in the author list (e.g. 3rd of 18 authors).

The name of PI in the author list should be singly underscored.

5. Issues Relevant to Human Right Protection and Legal Compliance

(*cf*. Application Procedures for Grants-in-Aid for Scientific Research)

In case the proposed research involves such issues that require obtaining consent and/or cooperation of the third party, consideration in handling of personal information, or actions related bioethics and/or biosafety, the planned measures and actions for these issues should be stated within 1 page.

This applies to research activities that would require approval by an internal or external ethical jury, such as research involving questionnaire surveys and/or interviews including personal information, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

If the proposed research does not fall under such categories, enter "N/A (not applicable)".

Early-Career Scientists 8-( )

Research Expenditure and Their Necessity

unit: 1000 yen

FY	Details of the Equipment Costs					Details of the Consumables Expenses	
	Item(Specification)	Place of Installation (Institution)	Quantity	Unit Price	Amount	Item	Amount

Necessity of the Equipment Costs and the Consumables Expenses

FY	Details of the Domestic Travel Expenses		Details of the Overseas Travel Expenses		Details of the Personnel Cost /Honoraria		Details of the Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Necessity of Travel Expenses, Personnel Cost/Honoraria, and Miscellaneous Items

(1) Grants in the Application Stage

Name						
Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	**30** ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)	
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
(3) Other Activities					
Total				100	

FY2018 Procedures for Preparing and Entering a Research Proposal Document for "Scientific Research (B/C) (Generative Research Fields)" (New Proposal)

Applicants for KAKENHI should fill in this **Research Proposal Document**, 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 referred to as JSPS) prior to application. This Research Proposal Document is used as review material at the JSPS Scientific Research Review 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 review at the Scientific Research Review Committee, a notice concerning the provisional grant decision is issued. The application will be submitted based on the notice. A KAKENHI will be disbursed if the research plan is deemed appropriate.

Items to be noted

* **This Procedures for Preparing and Entering is to be used to prepare Research Proposal Document for "Scientific Research B/C (Generative Research Fields) reviewed by the "Generative Research Fields" as "New Application".**

* **When preparing the Research Proposal Document, the Principal Investigator should make the preparations with responsibility, in accordance with the rules set forth in the Application Procedures.**

* **Make sure that the title of each column is at the top of the page. Also, please do not exceed the number of pages specified for each item. As a result of filling according to the instructions of each item, blank pages may be generated.**

* **Research Proposal Document prepared in English will be accepted.**

* **Before submitting, be sure to check whether the contents of the Research Proposal Document converted to the PDF file are complete (missing characters, charts, garbled characters, etc.).**

I. Style setting

The margin of style is set with upper 20 mm, lower 20 mm, left 25 mm, and right 25 mm. Please do not change the setting margins because there is a risk of missing characters etc. when preparing the review material.

II. Research Proposal Document (to be entered in the website)

The following items are "to be entered in the website" of the "Research Proposal Document". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter referred to as "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)", which has been provided by the research institution to which they belong, and directly enter their data.

The items to be entered in the website constitute the first part ("Area", "Name of Principal Investigator (PI)" etc.) and the second part ("Research Expenditures and Their Necessity", "The Status of Application and Acquisition of Research Grants") of the Research Proposal Document (PDF file) that is prepared using the Electronic Application System.

For procedures for entering items to be entered in the website, please refer to the "FY2018 Procedures for Preparing and Entering a Research Proposal Document" (to be entered in the website) ("Scientific Research (A/B/C)", "Challenging Research (Pioneering / Exploratory)", "Early-Career Scientists").

Items to be entered in the Website (First half)
・ New Proposal or Continued
・ Area
・ Term Indicating Content of the Research Project
・ Name of the Principal Investigator
・ Position, Academic Unit (School, Faculty, etc.), and Research Institution of the Principal Investigator
・ Title of the Research Project
・ Research Abstract
・ Request for Disclosure
・ Project Members

Items to be entered in the Website (Second half)
・ Research Expenditures and Their Necessity
・ The Status of Application and Acquisition of Research Grants

III. Research Proposal Document (forms to be uploaded)

The following items are contents on the "Research Proposal Document (forms to be uploaded)". They constitute the intermediate part of the Research Proposal Document (PDF file).

The Principal Investigator should download the "Research Proposal Document (forms to be uploaded)" from the JSPS website for Grants-in-Aid for Scientific Research, and fill it in. He or she should then access the "Electronic Application System", and upload the filled-in file to the "Electronic Application System". (Files above 3 MB cannot be uploaded.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each column should be observed. Characters and symbols in 11-point font size or larger should be used, considering large number of application forms for research project will be reviewed.

(1) "Outline of Research Proposal Document", "Reason for applying for Generative Research Fields" column

In this column, the description should be given in accordance with the instruction specified in the Research Proposal Document. In document review, the preliminary screening will be conducted only by "Research Proposal Document (Outline)" which adds the first half of the Research Proposal Document (items to be entered in the Website) to this column. (Preliminary screening will not be conducted if the number of application is small). Although the whole Research Proposal Document is used in document review, reviewer can also view "Research Proposal Document (Outline)" at that time.

(2) "Research Objectives, Research Method etc." column

In this column, the description should be given what kind of research you plan in this proposal in accordance with the instruction specified in the Research Proposal Document to be submitted this time so that the overall structure can be clarified.

(3) "Research Development Leading to Conception of the Present Research Proposal, etc." column

In this column, the description should be given the characteristics of the research in accordance with the instruction specified in the Research Proposal Document so that the review committee will better understand the research proposal to be submitted this time.

Please describe the research activities that the applicant thinks is important to "(3) applicant's hitherto research activities". Applicant may describe activities that show applicant's ability to perform research as well. For example, there are research that leads to outcomes and research that

could discover new issues in things that was not successful. (In this case, applicant may quote the paper or scientific presentation etc. entered in the "Research Achievements" column).

In addition, applicant can describe the period during which research was suspended, such as maternity leave and childcare leave, interruption due to acquisition of long-term care leave.

(4) "Research Achievements of the Principal Investigator and Co-Investigator(s) (Co-I(s))" column

Please enter in accordance with the instruction specified in the Research Proposal Document. In addition, when writing a paper, if there is no page number display by electronic journals etc., it is unnecessary to enter "first and last page". In addition, if you have intellectual property rights such as patents, please indicate that fact. (Patent application number, etc.)

(5) "Issues Relevant to Human Right Protection and Legal Compliance" column

Please enter in accordance with the instruction specified in the Research Proposal Document. If the proposed research does not fall under such categories, enter "N/A (not applicable)".

* In the column of "Research Expenditure and Their Necessity" and "The Status of Application and Acquisition of Research Grants", the description should be entered by the Electronic Application System starting from FY2018 Application for Research Proposal Document. When entering in this column, please refer to "FY2018 Procedures for Preparing and Entering a Research Proposal Document (items to be entered in the website) ("Scientific Research (A/B/C)", "Challenging Research (Pioneering/Exploratory)", "Early-Career Scientists Research")".

平成30年度（2018年度） 基盤研究（B）（特設分野研究）研究計画調書
RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR SCIENTIFIC RESEARCH (B)
(Generative Research Fields) (FY2018)

平成XX 年XX月XX日
September 1st, 2017
1版
1st edition

新規
New Proposal

研究種目 Research Category	基盤研究 (B) Scientific Research (B)	応募区分 Application Section	特設分野研究 Generative Research Fields	
分野名 Area				
研究代表者氏名 Principal Investigator (PI)	（フリガナ）			
	（漢字等） Name (in Roman letters)			
所属研究機関 Research Institution				
部　局 Academic Unit (School, Faculty, etc.)				
職 Position				
研究課題名 Title of Proposed Research Project				
研究の要約 Research Abstract				

研 究 経 費 Research Expenditure (1000 yen) 千円未満の端数は 切り捨てる Round off fractions smaller than 1000 yen.	年度 Fiscal Year	研究経費 （千円） Annual Expenditure (1000 yen)	使用内訳（千円） Breakdown (1000 yen)				
			設備備品費 Equipment Costs	消耗品費 Consumables Expenses	旅費 Travel Expenses	人件費・謝金 Personnel cost /Honoraria	その他 Miscellaneous Expenses
	平成30年度 FY2018						
	平成31年度 FY2019						
	平成32年度 FY2020						
	平成33年度 FY2021						
	平成34年度 FY2022						
	総計 Sum Total						
開示希望の有無 Request for disclosure							

研究組織（研究代表者、研究分担者及び連携研究者）
Project Members List (Principal Investigator (PI), Co-Investigator (Co-I) and Collaborating Researcher (CR))

	氏名（年齢） Name (Age)	所属研究機関 **Research Institution** 部局 **Academic Unit (School, Faculty, etc.)** 職 **Position**	学 位 **Academic Degree** 役割分担 **Role in this Project**	平成30年度 研究経費 （千円） **Research Expenditure for FY2018** **(Unit: 1,000 yen)**	エフォート(%) **Effort (%)**
研究代表者 PI	00000000　　(00)	(00000) (000) (00)			
研究分担者 Co-I	00000000　　(00)	(00000) (000) (00)			
連携研究者 CR	00000000　　(00)	(00000) (000) (00)		–	–
合計 00 名 **Total Number of Members: 00**		研究経費合計 **Total Research Expenditure**			

00000-000-00-0000

Scientific Research (B) (Generative Research Fields) (Outline) 1

Outline of Research Proposal Document

In this column, a succinct summary should be described within 2 pages concerning "1. Research Objectives, Research Method, etc.", "2. Research Development Leading to Conception of the Present Research Proposal, etc.", and "3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s))" written in the research proposal document.

* In document review, the preliminary screening will be conducted only by "Research Proposal Document (Outline)" which adds the first half of the Research Proposal Document (items to be entered in the Website) to "Outline of Research Proposal Document" and "Reason for applying for Generative Research Fields". (Preliminary screening will not be conducted if the number of application is small).

[Outline of Research Proposal Document (continued from the previous page)]

Reason for applying for Generative Research Fields

In this column, describe concretely and clearly the reason why the research project is more suitable for applying to this Generative Research Fields than Basic Section within 1 page.

1. Research Objectives, Research Method, etc.

This research proposal will be reviewed in the Generative Research Fields of the applicant's choice. In filling this application form, refer to the Application Procedures for Grants-in-Aid for Scientific Research -KAKENHI-.

In this column, research objectives, research method, etc. should be described within 3 pages.

The main text should give descriptions, in concrete and clear terms, of (1) scientific background for the proposed research, and the "key scientific question" comprising the core of the research plan, (2) the purpose, scientific significance, and originality of the research project, and (3) what will be elucidated, and to what extent and how will it be pursued during the research period.

If the proposed research project involves Co-Investigator(s), a concrete description of the role-sharing between the Principal Investigator and the Co-Investigator(s) should be given.

Points to be noted:

This "Generative Research Fields" can be accepted parallel submission of other research proposals. However, the contents of the research proposal applying to "Generative Research Fields" are limited to those which are different from the Grant-in-Aid (continued) and the research proposals submitted in parallel.

*(Caution: Please delete **Points to be noted** when applying.)*

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

2. Research Development Leading to Conception of the Present Research Proposal, etc.

In this column, descriptions should be given within 2 pages, of (1) applicant's research history leading to the conception of this research proposal, (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field, (3) applicant's hitherto research activities, and (4) preparation status and feasibility of the research plan.

If the applicant has taken leave of absence from research activity for some period (e.g. due to maternity and/or child-care), he/she may choose to write about it in "(3) applicant's hitherto research activities".

- 164 -

3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s))

In this column, selected research outputs by the PI and Co-I(s) such as papers, books, patents, and invited talks, should be listed within 2 pages. The list items should be numbered in a chronological (either descending or ascending) order. Papers under submission can be included only if they are already accepted for publication.

For a research paper in an academic journal, the title, author(s), journal, refereed or not, volume, first and last pages, and publication year should be given. (As long as all items of information are given, their order is unimportant.) For a paper with a very long author list, it is permissible to show only the names of principal authors. In that case, write the number of coauthors, and indicate the order of the PI (or Co-I) in the author list (e.g. 3rd of 18 authors).

The name of PI in the author list should be doubly underscored, while Co-I(s) should be singly underscored.

Scientific Research (B) (Generative Research Fields) 7

[3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s)) (continued from the previous page)]

4. Issues Relevant to Human Right Protection and Legal Compliance

(*cf*. Application Procedures for Grants-in-Aid for Scientific Research)

In case the proposed research involves such issues that require obtaining consent and/or cooperation of the third party, consideration in handling of personal information, or actions related bioethics and/or biosafety, the planned measures and actions for these issues should be stated within 1 page.

This applies to research activities that would require approval by an internal or external ethical jury, such as research involving questionnaire surveys and/or interviews including personal information, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

If the proposed research does not fall under such categories, enter "N/A (not applicable)".

Scientific Research (B)
(Generative Research Fields) 9-( )

Research Expenditure and Their Necessity

unit: 1000 yen

FY	Details of the Equipment Costs					Details of the Consumables Expenses	
	Item(Specification)	Place of Installation (Institution)	Quantity	Unit Price	Amount	Item	Amount

Necessity of the Equipment Costs and the Consumables Expenses

FY	Details of the Domestic Travel Expenses		Details of the Overseas Travel Expenses		Details of the Personnel Cost /Honoraria		Details of the Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Necessity of Travel Expenses, Personnel Cost/Honoraria, and Miscellaneous Items

(1) Grants in the Application Stage

Name				30		
Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)	
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
(3) Other Activities					
Total				100	

平成30年度(2018年度) 基盤研究（Ｃ）（特設分野研究）研究計画調書
RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR SCIENTIFIC RESEARCH (C)
(Generative Research Fields) (FY2018)

平成XX 年XX月XX日

September 1st, 2017

1版

1st edition

新規
New Proposal

研究種目 Research Category	基盤研究(C) Scientific Research (C)	応募区分 Application Section	特設分野研究 Generative Research Fields	
分野名 Area				
研究代表者氏名 Principal Investigator (PI)	（フリガナ）			
	（漢字等） Name (in Roman letters)			
所属研究機関 Research Institution				
部　局 Academic Unit (School, Faculty, etc.)				
職 Position				
研究課題名 Title of Proposed Research Project				
研究の要約 Research Abstract				

研究経費 Research Expenditure (1000 yen) 千円未満の端数は 切り捨てる Round off fractions smaller than 1000 yen.	年度 Fiscal Year	研究経費 （千円） Annual Expenditure (1000 yen)	使用内訳（千円） Breakdown (1000 yen)				
			設備備品費 Equipment Costs	消耗品費 Consumables Expenses	旅費 Travel Expenses	人件費・謝金 Personnel cost /Honoraria	その他 Miscellaneous Expenses
	平成30年度 FY2018						
	平成31年度 FY2019						
	平成32年度 FY2020						
	平成33年度 FY2021						
	平成34年度 FY2022						
	総計 Sum Total						
開示希望の有無 Request for disclosure							

研究組織（研究代表者、研究分担者及び連携研究者）
Project Members List (Principal Investigator (PI), Co-Investigator (Co-I) and Collaborating Researcher (CR))

	氏名（年齢） Name (Age)	所属研究機関 Research Institution 部局 Academic Unit (School, Faculty, etc.) 職 Position	学 位 Academic Degree 役割分担 Role in this Project	平成30年度 研究経費 （千円） Research Expenditure for FY2018 (Unit: 1,000 yen)	エフォート(%) Effort (%)
研究代表者 PI	00000000　（00）	(00000) (000) (00)			
研究分担者 Co -I	00000000　（00）	(00000) (000) (00)			
連携研究者 CR	00000000　（00）	(00000) (000) (00)		–	–
合計 00 名 Total Number of Members: 00		研究経費合計 Total Research Expenditure			

00000-000-00-0000

Scientific Research (C) (Generative Research Fields) (Outline) 1

Outline of Research Proposal Document

In this column, a succinct summary should be described within 2 pages concerning "1. Research Objectives, Research Method, etc.", "2. Research Development Leading to Conception of the Present Research Proposal, etc.", and "3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s))" written in the research proposal document.

* In document review, the preliminary screening will be conducted only by "Research Proposal Document (Outline)" which adds the first half of the Research Proposal Document (items to be entered in the Website) to "Outline of Research Proposal Document" and "Reason for applying for Generative Research Fields". (Preliminary screening will not be conducted if the number of application is small).

- 175 -

Reason for applying for Generative Research Fields

In this column, describe concretely and clearly the reason why the research project is more suitable for applying to this Generative Research Fields than Basic Section within 1 page.

1. Research Objectives, Research Method, etc.

This research proposal will be reviewed in the Generative Research Fields of the applicant's choice. In filling this application form, refer to the Application Procedures for Grants-in-Aid for Scientific Research -KAKENHI-.

In this column, research objectives, research method, etc. should be described within 3 pages.

The main text should give descriptions, in concrete and clear terms, of (1) scientific background for the proposed research, and the "key scientific question" comprising the core of the research plan, (2) the purpose, scientific significance, and originality of the research project, and (3) what will be elucidated, and to what extent and how will it be pursued during the research period.

If the proposed research project involves Co-Investigator(s), a concrete description of the role-sharing between the Principal Investigator and the Co-Investigator(s) should be given.

Points to be noted:

This "Generative Research Fields" can be accepted parallel submission of other research proposals. However, the contents of the research proposal applying to "Generative Research Fields" are limited to those which are different from the Grant-in-Aid (continued) and the research proposals submitted in parallel.

*(Caution: Please delete **Points to be noted** when applying.)*

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

[1. Research Objectives, Research Method, etc. (continued from the previous page)]

2. Research Development Leading to Conception of the Present Research Proposal, etc.

In this column, descriptions should be given within 1 page, of (1) applicant's research history leading to the conception of this research proposal, (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field, (3) applicant's hitherto research activities, and (4) preparation status and feasibility of the research plan.

If the applicant has taken leave of absence from research activity for some period (e.g. due to maternity and/or child-care), he/she may choose to write about it in "(3) applicant's hitherto research activities".

3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s))

In this column, selected research outputs by the PI and Co-I(s) such as papers, books, patents, and invited talks, should be listed within 2 pages. The list items should be numbered in a chronological (either descending or ascending) order. Papers under submission can be included only if they are already accepted for publication.

For a research paper in an academic journal, the title, author(s), journal, refereed or not, volume, first and last pages, and publication year should be given. (As long as all items of information are given, their order is unimportant.) For a paper with a very long author list, it is permissible to show only the names of principal authors. In that case, write the number of coauthors, and indicate the order of the PI (or Co-I) in the author list (e.g. 3rd of 18 authors).

The name of PI in the author list should be doubly underscored, while Co-I(s) should be singly underscored.

Scientific Research (C) (Generative Research Fields) 6

[3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s)) (continued from the previous page)]

4. Issues Relevant to Human Right Protection and Legal Compliance

  (*cf*. Application Procedures for Grants-in-Aid for Scientific Research)

  In case the proposed research involves such issues that require obtaining consent and/or cooperation of the third party, consideration in handling of personal information, or actions related bioethics and/or biosafety, the planned measures and actions for these issues should be stated within 1 page.

  This applies to research activities that would require approval by an internal or external ethical jury, such as research involving questionnaire surveys and/or interviews including personal information, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

  If the proposed research does not fall under such categories, enter "N/A (not applicable)".

Scientific Research (C)
(Generative Research Fields) 8-( )

Research Expenditure and Their Necessity

unit: 1000 yen

FY	Details of the Equipment Costs					Details of the Consumables Expenses	
	Item(Specification)	Place of Installation (Institution)	Quantity	Unit Price	Amount	Item	Amount

Necessity of the Equipment Costs and the Consumables Expenses

FY	Details of the Domestic Travel Expenses		Details of the Overseas Travel Expenses		Details of the Personnel Cost /Honoraria		Details of the Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Necessity of Travel Expenses, Personnel Cost/Honoraria, and Miscellaneous Items

(1) Grants in the Application Stage

Name						

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
(3) Other Activities					
Total				100	

FY2018 Procedures for Preparing and Entering a Research Proposal Document for "Challenging Research (Pioneering)" (New Proposal)

Applicants for KAKENHI should fill in this **Research Proposal Document**, 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 referred to as JSPS) prior to application. This Research Proposal Document is used as review material at the JSPS Scientific Research Review 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 review at the Scientific Research Review Committee, a notice concerning the provisional grant decision is issued. The application will be submitted based on the notice. A KAKENHI will be disbursed if the research plan is deemed appropriate.

Items to be noted

* **This Procedures for Preparing and Entering is to be used to prepare Research Proposal Document for "Challenging Research (Pioneering)" reviewed by the "Medium-sized Section" or "Generative Research Fields Review Division" as "New Application".**

* **When preparing the Research Proposal Document, the Principal Investigator should make the preparations with responsibility, in accordance with the rules set forth in the Application Procedures.**

* **Make sure that the title of each column is at the top of the page. Also, please do not exceed the number of pages specified for each item. As a result of filling according to the instructions of each item, blank pages may be generated.**

* **Research Proposal Document prepared in English will be accepted.**

* **Before submitting, be sure to check whether the contents of the Research Proposal Document converted to the PDF file are complete (missing characters, charts, garbled characters, etc.).**

I. Style setting

The margin of style is set with upper 20 mm, lower 20 mm, left 25 mm, and right 25 mm. Please do not change the setting margins because there is a risk of missing characters etc. when preparing the review material.

II. Research Proposal Document (to be entered in the website)

The following items are "to be entered in the website" of the "Research Proposal Document". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter referred to as "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)", which has been provided by the research institution to which they belong, and directly enter their data.

The items to be entered in the website constitute the first part ("Section desired the review", "Name of Principal Investigator (PI)" etc.) and the second part ("Research Expenditures and Their Necessity", "The Status of Application and Acquisition of Research Grants") of the Research Proposal Document (PDF file) that is prepared using the Electronic Application System.

For procedures for entering items to be entered in the website, please refer to the "FY2018 Procedures for Preparing and Entering a Research Proposal Document" (to be entered in the website) ("Scientific Research (A/B/C)", "Challenging Research (Pioneering / Exploratory)", "Early-Career Scientists").

Items to be entered in the Website (First half)
- New Proposal or Continued
- Medium-sized Section / Generative Research Fields Review Division
- Section Desired the Review (* Division name in case of Generative Research Fields Review Division)
- Term Indicating Content of the Research Project (*only for the case selecting Term indicating content of the research project)
- Name of the Principal Investigator
- Position, Academic Unit (School, Faculty, etc.), and Research Institution of the Principal Investigator
- Title of the Research Project
- Research Abstract
- Request for Disclosure
- Project Members

Items to be entered in the Website (Second half)
- Research Expenditures and Their Necessity
- The Status of Application and Acquisition of Research Grants

III. Research Proposal Document (forms to be uploaded)

The following items are contents on the "Research Proposal Document (forms to be uploaded)". They constitute the intermediate part of the Research Proposal Document (PDF file).

The Principal Investigator should download the "Research Proposal Document (forms to be uploaded)" from the JSPS website for Grants-in-Aid for Scientific Research, and fill it in. He or she should then access the "Electronic Application System", and upload the filled-in file to the "Electronic Application System". (Files above 3 MB cannot be uploaded.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each column should be observed. Characters and symbols in <u>11-point font size or larger</u> should be used, considering large number of application forms for research project will be reviewed.

(1) "Outline of Research Proposal Document" column

In this column, the description should be given in accordance with the instruction specified in the Research Proposal Document. In this research category, the preliminary screening will be conducted only by "Research Proposal Document (Outline)" which adds the first half of the Research Proposal Document (items to be entered in the Website) to this column. (Preliminary screening will not be conducted if the number of application is small). Although the whole Research Proposal Document <u>except for this column</u> is used in document review, reviewer can also view "Research Proposal Document (Outline)" at that time.

(2) "Research Objectives and Research Method", "Significance as Challenging Research (Reason for applying for this research category)", "Applicant's Ability to Conduct Research" column

In this column, the description should be given in accordance with the instruction specified in the Research Proposal Document.

Unlike the research achievement column in other research categories, "Applicant's Ability to Conduct Research" column does not require you to describe the details of research achievement exhaustively. In the case of citing papers etc. as necessary, for example, in the case of an article, please fill in the information such as the title of the paper, the name of the author, the name of the publication, volume or page, etc. and publication year (Christian calendar) so that the papers can be identified.

(3) "Issues Relevant to Human Right Protection and Legal Compliance" column

Please enter in accordance with the instruction specified in the Research Proposal Document. If

the proposed research does not fall under such categories, enter "N/A (not applicable)".

* In the column of "Research Expenditure and Their Necessity" and "The Status of Application and Acquisition of Research Grants", the description should be entered by the Electronic Application System starting from FY2018 Application for Research Proposal Document. When entering in this column, please refer to "FY2018 Procedures for Preparing and Entering a Research Proposal Document (items to be entered in the website) ("Scientific Research (A/B/C)", "Challenging Research (Pioneering/Exploratory)", "Early-Career Scientists Research")".

1	2

The item names written in English in the first two pages of this form (to be entered in the Website) are provided for the convenience of non-Japanese applicants. Only the Japanese item names will be shown when this form is sent to reviewers.

平成30年度（2018年度）　挑戦的研究（開拓）研究計画調書
RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR CHALLENGING RESEARCH (PIONEERING) (FY2018)

平成XX　年XX月XX日
September 1st, 2017
1版
1st edition

新規
New Proposal

研究種目 **Research Category**	挑戦的研究（開拓） Challenging Research (Pioneering)				
中区分 **Review Section** **(Medium-sized Section)**	※特設審査領域を選択した場合は「領域名」が表示されます。 *When selecting Generative Research Fields Review Division, the "Division Name" will be displayed.*				
研究代表者氏名 **Principal** **Investigator (PI)**	（フリガナ）				
	（漢字等） Name (in Roman letters)				
所属研究機関 **Research Institution**					
部　局 **Academic Unit** **(School, Faculty, etc.)**					
職 **Position**					
研究課題名 **Title of Proposed** **Research Project**					
研究の要約 **Research Abstract**					

研 究 経 費 **Research Expenditure** **(1000 yen)** 千円未満の端数は 切り捨てる **Round off** **fractions smaller** **than 1000 yen.**	年度 **Fiscal Year**	研究経費 （千円） Annual Expenditure (1000 yen)	使用内訳（千円） **Breakdown (1000 yen)**				
			設備備品費 Equipment Costs	消耗品費 Consumables Expenses	旅費 Travel Expenses	人件費・謝金 Personnel cost /Honoraria	その他 Miscellaneous Expenses
	平成30年度 **FY2018**						
	平成31年度 **FY2019**						
	平成32年度 **FY2020**						
	平成33年度 **FY2021**						
	平成34年度 **FY2022**						
	平成35年度 **FY2023**						
	総計 **Sum Total**						

開示希望の有無 **Request for disclosure**	

研究組織（研究代表者、研究分担者及び連携研究者）
Project Members List (Principal Investigator (PI), Co-Investigator (Co-I) and Collaborating Researcher (CR))

	氏名（年齢） Name (Age)	所属研究機関 **Research Institution** 部局 **Academic Unit (School, Faculty, etc.)** 職 **Position**	学 位 **Academic Degree** 役割分担 **Role in this Project**	平成30年度 研究経費 （千円） **Research Expenditure for FY2018** (Unit: 1,000 yen)	エフォート(%) **Effort (%)**
研究代表者 PI	00000000　（00）	(00000) (000) (00)			
研究分担者 Co-I	00000000　（00）	(00000) (000) (00)			
連携研究者 CR	00000000　（00）	(00000) (000) (00)		－	－
合計 00 名 **Total Number of Members: 00**			研究経費合計 **Total Research Expenditure**		

00000-000-00-0000

Outline of Research Proposal Document

In this column, a succinct summary should be described within 2 pages concerning "1. Research Objectives and Research Method", "2. Significance as Challenging Research (Reason for applying for this research category)", and "3. Applicant's Ability to Conduct Research" written in the research proposal document.

* In this research category, the preliminary screening will be conducted only by "Research Proposal Document (Outline)" which adds the first half of the Research Proposal Document (items to be entered in the Website) to this column. (Preliminary screening will not be conducted if the number of application is small).

Points to be noted:

1. *This research category is applied by a challenging research with the potential of radically transforming the existing research framework and/or changing the research direction. Make sure that your research plan is consistent with the purpose of the research category (If you apply for the Generative Research Fields Review Division, check that your research project matches the Generative Research Fields Review Division, not other Medium-sized Sections).*

2. *This research category is reviewed by the Medium-sized Section of the Review Section Table or the Generative Research Fields Review Division. Reviewers are appointed so that they can cover whole part of each section or division. Please note that your Research Proposal Document is reviewed by reviewers in a wide range of fields from a multilateral perspective.*

3. *In this research category, the preliminarily screening will be conducted by "Research Proposal Document (Outline)" which is a combination of the first 2 pages of this file and the first half of the Research Proposal Document (to be entered in the Website) (Preliminary screening will not be conducted if the number of application is small).*

   *(Caution: Please delete **Points to be noted** when applying.)*

[Outline of Research Proposal Document (continued from the previous page)]

1. Research Objectives and Research Method

> **This research category is reviewed by the Medium-sized Section of the Review Section Table or the Generative Research Fields Review Division. Please note that your Research Proposal Document is reviewed by review committee in a wide range of fields from a multilateral perspective.**
>
> In this column, describe the following points focused on concretely and clearly within 3 pages.
> 1. Objectives of this research
> 2. Research Method that the objective can be achieved (including each role of Researchers in Project Members List and Research Collaborators).
> 3. Status on the current research environment such as research facilities, equipment, research materials, etc. used to implement this research (In the case that the research environment changes greatly due to transfer or retirement during the research period, securing place and implementation method etc. should be described.

[1. Research Objectives and Research Method (continued from the previous page)]

[1. Research Objectives and Research Method (continued from the previous page)]

2. Significance as Challenging Research (Reason for applying for this research category)

 This research category is applied by a challenging research with the potential of radically transforming the existing research framework and/or changing the research direction.
 In this column, describe the following points within 1 page.
  1. Applicant's research background and history leading to the conception of this research proposal based on applicant's hitherto research activities
  2. Based on the current research situation, what significance does this research concept have as a challenging research
* If you apply for Generative Research Fields Review Division, describe "3. The reason why this research concept is consistent with the Generative Research Fields Review Division".

---

3. Applicant's Ability to Conduct Research

In this column, describe the concrete contents of applicant's hitherto research activities etc. within 1 page to show applicant's ability to conduct the proposed research. If necessary, applicant may include those not directly related to proposed research.

4. Issues Relevant to Human Right Protection and Legal Compliance

(*cf*. Application Procedures for Grants-in-Aid for Scientific Research)

In case the proposed research involves such issues that require obtaining consent and/or cooperation of the third party, consideration in handling of personal information, or actions related bioethics and/or biosafety, the planned measures and actions for these issues should be stated within 1 page.

This applies to research activities that would require approval by an internal or external ethical jury, such as research involving questionnaire surveys and/or interviews including personal information, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

If the proposed research does not fall under such categories, enter "N/A (not applicable)".

Challenging Research (Pioneering) 7-( )

Research Expenditure and Their Necessity

unit: 1000 yen

FY	Details of the Equipment Costs					Details of the Consumables Expenses	
	Item(Specification)	Place of Installation (Institution)	Quantity	Unit Price	Amount	Item	Amount

Necessity of the Equipment Costs and the Consumables Expenses

FY	Details of the Domestic Travel Expenses		Details of the Overseas Travel Expenses		Details of the Personnel Cost /Honoraria		Details of the Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Necessity of Travel Expenses, Personnel Cost/Honoraria, and Miscellaneous Items

Name				30		
Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)		Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			
			( ) 1000 yen			

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
(3) Other Activities					
Total				100	

FY2018 Procedures for Preparing and Entering a Research Proposal Document for "Challenging Research (Exploratory)" (New Proposal)

Applicants for KAKENHI should fill in this **Research Proposal Document**, 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 referred to as JSPS) prior to application. This Research Proposal Document is used as review material at the JSPS Scientific Research Review 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 review at the Scientific Research Review Committee, a notice concerning the provisional grant decision is issued. The application will be submitted based on the notice. A KAKENHI will be disbursed if the research plan is deemed appropriate.

Items to be noted

* **This Procedures for Preparing and Entering is to be used to prepare Research Proposal Document for "Challenging Research (Exploratory)" reviewed by the "Medium-sized Section" or "Generative Research Fields Review Division" as "New Application".**

* **When preparing the Research Proposal Document, the Principal Investigator should make the preparations with responsibility, in accordance with the rules set forth in the Application Procedures.**

* **Make sure that the title of each column is at the top of the page. Also, please do not exceed the number of pages specified for each item. As a result of filling according to the instructions of each item, blank pages may be generated.**

* **Research Proposal Document prepared in English will be accepted.**

* **Before submitting, be sure to check whether the contents of the Research Proposal Document converted to the PDF file are complete (missing characters, charts, garbled characters, etc.).**

I. Style setting

The margin of style is set with upper 20 mm, lower 20 mm, left 25 mm, and right 25 mm. Please do not change the setting margins because there is a risk of missing characters etc. when preparing the review material.

II. Research Proposal Document (to be entered in the website)

The following items are "to be entered in the website" of the "Research Proposal Document". When preparing their applications, Principal Investigators should access the JSPS Electronic Application System for Projects Funded by KAKENHI (hereinafter referred to as "Electronic Application System") using their ID and password for the "Cross-Ministerial Research and Development Management System (e-Rad)", which has been provided by the research institution to which they belong, and directly enter their data.

The items to be entered in the website constitute the first part ("Section desired the review", "Name of Principal Investigator (PI)" etc.) and the second part ("Research Expenditures and Their Necessity", "The Status of Application and Acquisition of Research Grants") of the Research Proposal Document (PDF file) that is prepared using the Electronic Application System.

For procedures for entering items to be entered in the website, please refer to the "FY2018 Procedures for Preparing and Entering a Research Proposal Document" (to be entered in the website) ("Scientific Research (A/B/C)", "Challenging Research (Pioneering / Exploratory)", "Early-Career Scientists").

Items to be entered in the Website (First half)
・ New Proposal or Continued
・ Medium-sized Section / Generative Research Fields Review Division
・ Section Desired the Review (* Division name in case of Generative Research Fields Review Division)
・ Term Indicating Content of the Research Project (*only for the case selecting Term indicating content of the research project)
・ Name of the Principal Investigator
・ Position, Academic Unit (School, Faculty, etc.), and Research Institution of the Principal Investigator
・ Title of the Research Project
・ Research Abstract
・ Request for Disclosure
・ Project Members

Items to be entered in the Website (Second half)
・ Research Expenditures and Their Necessity
・ The Status of Application and Acquisition of Research Grants

III. Research Proposal Document (forms to be uploaded)

The following items are contents on the "Research Proposal Document (forms to be uploaded)". They constitute the intermediate part of the Research Proposal Document (PDF file).

The Principal Investigator should download the "Research Proposal Document (forms to be uploaded)" from the JSPS website for Grants-in-Aid for Scientific Research, and fill it in. He or she should then access the "Electronic Application System", and upload the filled-in file to the "Electronic Application System". (Files above 3 MB cannot be uploaded.)

When preparing the Overall Research Plan, the instructions given below and the instructions given in each column should be observed. Characters and symbols in 11-point font size or larger should be used, considering large number of application forms for research project will be reviewed.

(1) "Outline of Research Proposal Document" column

In this column, the description should be given in accordance with the instruction specified in the Research Proposal Document. In this research category, the preliminary screening will be conducted only by "Research Proposal Document (Outline)" which adds the first half of the Research Proposal Document (items to be entered in the Website) to this column. (Preliminary screening will not be conducted if the number of application is small). Although the whole Research Proposal Document except for this column is used in document review, reviewer can also view "Research Proposal Document (Outline)" at that time.

(2) "Research Objectives and Research Method, Applicant's Ability to Conduct Research", "Significance as Challenging Research (Reason for applying for this research category)", column

In this column, the description should be given in accordance with the instruction specified in the Research Proposal Document.

Unlike the research achievement column in other research categories, "Applicant's Ability to Conduct Research" does not require you to describe the details of research achievement exhaustively. In the case of citing papers etc. as necessary, for example, in the case of an article, please fill in the information such as the title of the paper, the name of the author, the name of the publication, volume or page, etc. and publication year (Christian calendar) so that the papers can be identified.

(3) "Issues Relevant to Human Right Protection and Legal Compliance" column

Please enter in accordance with the instruction specified in the Research Proposal Document. If the proposed research does not fall under such categories, enter "N/A (not applicable)".

* In the column of "Research Expenditure and Their Necessity" and "The Status of Application and Acquisition of Research Grants", the description should be entered by the Electronic Application System starting from FY2018 Application for Research Proposal Document. When entering in this column, please refer to "FY2018 Procedures for Preparing and Entering a Research Proposal Document (items to be entered in the website) ("Scientific Research (A/B/C)", "Challenging Research (Pioneering/Exploratory)", "Early-Career Scientists Research")".

The item names written in English in the first two pages of this form (to be entered in the Website) are provided for the convenience of non-Japanese applicants. Only the Japanese item names will be shown when this form is sent to reviewers.

平成30年度（2018年度）　挑戦的研究（萌芽）研究計画調書
RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR CHALLENGING RESEARCH (EXPLORATORY) (FY2018)

平成XX 年XX月XX日
September 1st, 2017
1版
1st edition

新規
New Proposal

研究種目 Research Category	挑戦的研究（萌芽） Challenging Research (Exploratory)				
中区分 Review Section (Medium-sized Section)	※特設審査領域を選択した場合は「領域名」が表示されます。 *When selecting Generative Research Fields Review Division, the "Division Name" will be displayed.*				
研究代表者氏名 Principal Investigator (PI)	（フリガナ）				
	（漢字等） Name (in Roman letters)				
所属研究機関 Research Institution					
部　局 Academic Unit (School, Faculty, etc.)					
職 Position					
研究課題名 Title of Proposed Research Project					
研究の要約 Research Abstract					

研 究 経 費 Research Expenditure (1000 yen) 千円未満の端数は切り捨てる Round off fractions smaller than 1000 yen.	年度 Fiscal Year	研究経費 （千円） Annual Expenditure (1000 yen)	使用内訳（千円） Breakdown (1000 yen)				
			設備備品費 Equipment Costs	消耗品費 Consumables Expenses	旅費 Travel Expenses	人件費・謝金 Personnel cost /Honoraria	その他 Miscellaneous Expenses
	平成30年度 FY2018						
	平成31年度 FY2019						
	平成32年度 FY2020						
	総計 Sum Total						
開示希望の有無 Request for disclosure							

研究組織（研究代表者、研究分担者及び連携研究者）
Project Members List (Principal Investigator (PI), Co-Investigator (Co-I) and Collaborating Researcher (CR))

	氏名（年齢） Name (Age)	所属研究機関 **Research Institution** 部局 **Academic Unit (School, Faculty, etc.)** 職 **Position**	学 位 **Academic Degree** 役割分担 **Role in this Project**	平成30年度 研究経費 （千円） **Research Expenditure for FY2018** (Unit: 1,000 yen)	エフォート(%) **Effort (%)**
研究代表者 PI	00000000　　(00)	(00000) (000) (00)			
研究分担者 Co -I	00000000　　(00)	(00000) (000) (00)			
連携研究者 CR	00000000　　(00)	(00000) (000) (00)		－	－
合計 00 名 **Total Number of Members: 00**		研究経費合計 **Total Research Expenditure**			

00000-000-00-0000

Outline of Research Proposal Document

In this column, a succinct summary should be described within 2 pages concerning "1. Research Objectives and Research Method, Applicant's Ability to Conduct Research" and "2. Significance as Challenging Research (Reason for applying for this research category)" written in the research proposal document.

* In this research category, the preliminary screening will be conducted only by "Research Proposal Document (Outline)" which adds the first half of the Research Proposal Document (items to be entered in the Website) to this column. (Preliminary screening will not be conducted if the number of application is small).

Points to be noted:

1. *This research category is applied by a challenging research with the potential of radically transforming the existing research framework and/or changing the research direction (The scope of the (Exploratory) category encompasses research proposals that are highly exploratory and/or are in their budding stages.). Make sure that your research plan is consistent with the purpose of the research category (If you apply for the Generative Research Fields Review Division, check that your research project matches the Generative Research Fields Review Division, not other Medium-sized Sections).*

2. *This research category is reviewed by the Medium-sized Section of the Review Section Table or the Generative Research Fields Review Division. Reviewers are appointed so that they can cover whole part of each section or division. Please note that your Research Proposal Document is reviewed by reviewers in a wide range of fields from a multilateral perspective.*

3. *In this research category, the preliminarily screening will be conducted by "Research Proposal Document (Outline)" which is a combination of the first 2 pages of this file and the first half of the Research Proposal Document (to be entered in the Website) (Preliminary screening will not be conducted if the number of application is small).*

   *(Caution: Please delete **Points to be noted** when applying.)*

[Outline of Research Proposal Document (continued from the previous page)]

Challenging Research (Exploratory) 1

1. Research Objectives and Research Method, Applicant's Ability to Conduct Research

This research category is reviewed by the Medium-sized Section of the Review Section Table or the Generative Research Fields Review Division. Please note that your Research Proposal Document is reviewed by review committee in a wide range of fields from a multilateral perspective.

In this column, describe the following points focused on concretely and clearly within 2 pages.

1. Objectives of this research
2. Research Method that the objective can be achieved (including each role of Researchers in Project Members List and Research Collaborators).
3. Applicant's Ability to Conduct Research (i.e. the concrete contents of applicant's hitherto research activities. If necessary, applicant may include those not directly related to proposed research.)

[1. Research Objectives and Research Method, Applicant's Ability to Conduct Research (continued from the previous page)]

- 215 -

2. Significance as Challenging Research (Reason for applying for this research category)

> **This research category is applied by a challenging research with the potential of radically transforming the existing research framework and/or changing the research direction.**
>
> In this column, describe the following points within 1 page.
> 1. Applicant's research background and history leading to the conception of this research proposal based on applicant's hitherto research activities
> 2. Based on the current research situation, what significance does this research concept have as Challenging Research (If the research plan is highly exploratory and/or is in their budding stages, whether the plan has a possibility as Challenging Research).
>
> * If you apply for Generative Research Fields Review Division, describe "3. The reason why this research concept is consistent with the Generative Research Fields Review Division".

3. Issues Relevant to Human Right Protection and Legal Compliance
  (*cf*. Application Procedures for Grants-in-Aid for Scientific Research)

In case the proposed research involves such issues that require obtaining consent and/or cooperation of the third party, consideration in handling of personal information, or actions related bioethics and/or biosafety, the planned measures and actions for these issues should be stated within 1 page.

This applies to research activities that would require approval by an internal or external ethical jury, such as research involving questionnaire surveys and/or interviews including personal information, handling of donated specimens, human genome analysis, recombinant DNA, and experimentation with animals.

If the proposed research does not fall under such categories, enter "N/A (not applicable)".

Challenging Research (Exploratory) 5-( )

Research Expenditure and Their Necessity

unit: 1000 yen

FY	Details of the Equipment Costs					Details of the Consumables Expenses	
	Item(Specification)	Place of Installation (Institution)	Quantity	Unit Price	Amount	Item	Amount

Necessity of the Equipment Costs and the Consumables Expenses

unit: 1000 yen

FY	Details of the Domestic Travel Expenses		Details of the Overseas Travel Expenses		Details of the Personnel Cost /Honoraria		Details of the Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Necessity of Travel Expenses, Personnel Cost/Honoraria, and Miscellaneous Items

Name						
Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 (　　　) Research Expenditure in FY2018 (Research Expenditure for the whole period)		Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			(　　) 1000 yen			
			(　　) 1000 yen			
			(　　) 1000 yen			
			(　　) 1000 yen			
			(　　) 1000 yen			

Funding scheme, Grant category (Research period, Funding organization, etc.)	Title of the Research Project (Name of the PI)	Role in the Project	30 ( ) Research Expenditure in FY2018 (Research Expenditure for the whole period)	Effort (%)	Distinction of the research contents, and Reason for submission of this KAKENHI application in addition to the other projects. (For a KAKENHI grant as PI, enter the total research expenditure for the whole research period.)
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
			( ) 1000 yen		
(3) Other Activities					
Total				100	

FY2018 Procedures for Preparing and Entering Research Proposal Document (items to be entered in the Website) (Grant-in-Aid for Scientific Research (A/B/C), Challenging Research (Pioneering/Exploratory), and Early-Career Scientists)

The confirmation of the content of the application and the preparation of the review material is based on the "Research Proposal Document (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 review, or it is possible that the research project will not be accepted for review, because of the content entered. Therefore, the applicant should prepare the Research Proposal Document with care.

Also, a part of content entered (title of Proposed Research Project, information of project member, effort, etc.) will be provided to the e-Rad.

Please select "application information input" of the research category for which an application is made from the "List of Research Categories for which Applications are accepted". If you apply for Early-Career Scientists, after selecting the application requirements on the "confirmation of requirements" screen, the "application information input" screen will be displayed. On the screen of "application information input", if the "Japanese ▶ English" button at the upper left of the screen is clicked, then the explanations are translated into English.

1. **Application Requirements (These items will be displayed on the "Confirmation of requirements" screen)**
   (These are items which need to be entered when applying for "Early-Career Scientists".)
   Please select the following appropriate application requirement. "(1) As of April 1, 2018, Ph.D. acquired less than 8 years", "(2) It is planned to acquire Ph.D. by April 1, 2018, although it is not acquired Ph.D., and as of April 1, 2018, it is over 40 years old", "(3) As of April 1, 2018 years acquired Ph.D. except period of maternity and/or childcare leave less than 8 years", or "(4) Ph.D. not yet acquired or planned to obtain Ph.D., and as of April 1, 2018, it is 39 years old or younger".
   If you select "(2) It is planned to acquire Ph.D. by April 1, 2018, although it is not acquired Ph.D., and as of April 1, 2018, it is over 40 years old", please enter "Ph.D.. Acquisition Planned Date", and "Research institute where applicant is planned to acquire Ph.D.". (This content is not converted to the PDF file)
   If you select "(3) As of April 1, 2018 years acquired Ph.D. except period of maternity and/or childcare leave less than 8 years", please enter "Period taken for Maternity/Childcare". (This content is not converted to the PDF file)

2. New proposal or continued

The applicant should select the appropriate item from among "New Proposal".

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". Applicant should consult in advance with the Research Aid Division I of the Research Program Department, in order to know whether the change the applicant wants to make falls under this category.

3. Research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project
(These are the items that need to be entered when applying for Scientific Research (Scientific Research (A/B/C) ("General"))

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 "Research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project (*cf.* Application Procedures for Grants-in-Aid for Scientific Research)". If he or she makes an application under the category "Research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project", he or she should enter the project number of the Grant-in-Aid (continued) of which FY2018 is the final fiscal year. Moreover, he or she should be sure to fill in the necessary information in the column "items to be filled in when making research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project" of the Research Proposal Document (forms to be uploaded) he or she is preparing.

4. Section Desired the Review
(These are items which need to be entered when applying for "Scientific Research (A/B/C) (General)", "Challenging Research (Pioneering/Exploratory)" and "Early-Career Scientists".)

In "Grants-in-Aid for Scientific Research-KAKENHI-, Review Section Table" (hereinafter referred to as "Review Section Table"), please enter a review section which you wish to be reviewed.

The section to be selected depends on the research category you apply.

Scientific Research (B), Scientific Research (C), and Early Career Scientists
------- Select from "Basic Section"
Scientific Research (A) and Challenging Research (Pioneering/Exploratory)
------ Select from "Medium-sized Section"

In applying Challenging Research (Pioneering/Exploratory), if you select "Generative Research Fields Review Division" in "Medium-sized Section/Generative Research Fields Review Division", please select division which you wish to be reviewed.

5. Area

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

The applicant should be sure to select one of the areas he or she wishes to have reviewed as follows, referring to the "Generative Research Fields" that have been established in the FY2018.

"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"

6. Term indicating content of the research project

(These are the items that need to be entered when selecting "Generative Research Fields Review Division" from "Medium-sized Section/ Generative Research Fields Review Division" in the case of applying for Scientific Research (B/C) "Generative Research Fields" or Challenging Research (Pioneering/Exploratory).)

Applicant should enter one term which represents the content of the research proposal. Also, applicant may select the term in "Examples of related research content" of "Review Section Table". (This content is not converted to the PDF file)

7. Name of the Principal Investigator

The information on Principal Investigator which has been registered in advance from the research institution will be automatically displayed. Principal Investigator in question should verify whether his/her name has been displayed correctly.

If there is an error, please temporarily save the input data, then contact the secretariat of your research institution and follow the instructions.

8. Research Institution, Academic Unit (School, Faculty, etc.) and Position of the Principal Investigator

The information on Principal Investigator which has been registered in advance from the research institution will be automatically displayed. Principal Investigator should verify whether the information on his/her professional affiliation has been displayed correctly at the time he or she is preparing the Research Proposal Document.

(1) **In the column "Academic Unit (School, Faculty, etc.)"**, if the name of the academic unit that is automatically displayed 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 name column.)

(2) **In the column "Position"**, if the name of the position that is automatically displayed is different from the actual name of the applicant's position, he or she should enter the actual name of his or her position.

9. Academic Degree and Effort

(These are items which need to be entered when applying for "Early-Career Scientists".)

The applicant should enter the time allocation rate (an integral number between 1 and 100) in the column "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 total yearly working hours of the researcher is set at 100%". Moreover, the "total working hours" 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 confirm the effort anew at that time and to perform the procedure of formal application for grant delivery. If the effort is changed at that time, it is necessary to correct the effort in e-Rad before formal application for grant delivery.

10. Date of Ph.D. Acquisition

(These are items which need to be entered when applying for "Early-Career Scientists".)

The information on Principal Investigator which has been registered in advance from the research institution will be automatically displayed. Principal Investigator in question should verify whether Date of Ph.D. Acquisition has been displayed correctly. If there is an error, please temporarily save the input data, then contact the secretariat of your research institution and follow the instructions.

11. Application Requirements

(These are items which need to be entered when applying for "Early-Career Scientists".)

Please make sure whether entered application requirements are correctly displayed before you

proceeded to "application information input" screen.

Please make sure whether "Ph.D. Acquisition Planned Date" and "Research institute where applicant is planned to acquire Ph.D." are correctly displayed, if you select "(2) It is planned to acquire Ph.D. by April 1, 2018, although it is not acquired Ph.D., and as of April 1, 2018, it is over 40 years old".

Please make sure whether "Period taken for Maternity/Childcare" is correctly displayed, if you select "(3) As of April 1, 2018 years acquired Ph.D. except period of maternity and/or childcare leave less than 8 years".

12. Title of the Research Project

In the column "Title of Proposed Research Project", the applicant should enter a title for the proposed research project 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.) If there are only double-byte characters or double-byte and single-byte characters, you can enter up to 40 letters, and if there are only one-byte characters, up to 200 letters can be entered.

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))

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

13. Research Abstract

(These are the items that need to be entered when applying for Scientific Research (B/C) "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 (including significance as challenging research in case of Challenging Research (Pioneering/ Exploratory)). It is possible to enter these in Japanese or in English. If there are only double-byte characters or double-byte and single-byte characters, you can enter up to 500 letters, and if there are only one-byte characters, up to1000 letters can be entered.

14. Request for disclosure

The applicant should select the appropriate item from among "I request to be informed of comments from the reviewers: Yes" or "I request to be informed of comments from the reviewers:

No", for the results of the document review (first stage of the review) etc., in case his/her proposed project is not selected.

* "Disclosure" of the review results will be made only to the applicant through the electronic application system (Except for the applicant, the results cannot be viewed by anyone including the person(s) belong to the research institution).

15. Project Members List

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

Concerning the planned research of "Scientific Research (A/B/C)" and "Challenging Research (Pioneering/Exploratory)", as the occasion demands, it is possible to involve the "Co-Investigator", the "Collaborating Researcher", and the "Research Collaborator" in the research. For the definitions of "Principal Investigator", "Co-Investigator", "Collaborating Researcher", "Research Collaborator", please refer Application Procedures for Grants-in-Aid for Scientific Research.

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

(1) **Concerning the entry column for the Project Members List (Principal Investigator, Co-Investigator, Collaborating Researcher)**, 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 column "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 column "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 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) "Generative Research Fields", "Scientific Research (C)" and "Challenging Research (Exploratory)". In this case, the applicant should enter "0" in the column "Effort" of "Research Expenditure for FY2018".

(2) **The distinction Co-Investigator and Collaborating Researcher**

The applicant should select the appropriate item from among "Co-I" (Co-Investigator) and "CR" (Collaborating Researcher) in the column "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 does not have to enter them in the Project Members List of the proposed project in question. When the applicant mention about Research Collaborator in the Research Proposal Document, if necessary, the applicant can mention them in a column where he or she explains the overall research plan, for example, in the column "Research Objectives, Research Method, etc.".

(4) **Information on the researchers ((1) Researcher Number, (2) Name (Pronunciation in katakana and Kanji), (3) Age (as of April 1, 2018), (4) Position, Academic Unit (School, Faculty, etc.), Research Institution, and (5) 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 (School, Faculty, etc.), and 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 displayed correctly.

(5) **In the column "Academic Unit (School, Faculty, etc.)"**, if the name in the "list of numbers for academic units" 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) **In the column "Position"**, if the name in the "list of numbers for 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 column "Role in this Project"**, the applicant should fill in, how the Principal Investigator, the Co-Investigator(s) and Collaborating Researcher 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 FY2018.

(8) **In the column "Research Expenditure for FY2018"**, the share of the Grant-in-Aid to the Principal Investigator and the Co-Investigator(s) should be entered in units of thousand yen,

based on the research plan. Since Collaborating Researcher 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 "Research Expenditure for FY2018" displayed in the screen. If it does not correspond, "error" is displayed on the confirmation screen, the data have been entered.

(9) **In the column "Effort"**, the applicant should enter the time allocation rate (an integral number between 1 and 100) of the Principal Investigator and the Co-Investigator, assuming that the research project for which the current application is being made would be selected (The column for Collaborating Researcher 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 confirm the effort anew at that time and to perform the procedure of formal application for grant delivery. If the effort is changed at that time, it is necessary to correct the effort in e-Rad before formal application for grant delivery.

16. Research Expenditure and Their Necessity

In this column, details of research expenditure, their necessity and the basis of their estimation should be given in connection with the "Research Proposal Document (forms to be uploaded)".In that case, please pay attention to "target expenditure (direct cost)" and "non-eligible expenditure" described below. Also, please be aware that research plan with research expenditure less than 100,000 yen in any year of the research period will not be eligible for call for proposal.

"Target expenditure (direct expenditure)"

The expenditure necessary for the implementation of the research plan (including the budget necessary for summarizing the research achievements) is eligible.

"Ineligible expenditure"

The following expenditures are not included in the funding:

① Expenditure for buildings and other facilities (excluding the expenditure for minor installations which became necessary because of the introduction of goods that have been purchased by means of direct expenditure)

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② Expenditure for handling accidents or disasters that occurred during the implementation of funded project

③ Personnel cost/Honoraria for the Principal Investigator or Co-Investigator(s)

④ Other expenditure which fall under indirect expenditure*

* Indirect expenditure is expenditure 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 expenditure). The expenditure is used by the research institution. This time, it is scheduled to set up indirect expenditure for the research categories for which a call for proposals is organized. However, the Principal Investigator does not need to state that indirect expenditure in the Research Proposal Document.

Research expenditure and usage breakdown are automatically calculated from the details of each expense. In the detail column of each expenditure, the data input column is displayed by pushing the necessary number of "Add" button on the left side of the input screen. For data entry fields that you do not use (if you have entered but do not use it or if you did not enter at all), please delete the data entry field by pressing the "Delete" button on the left side. Please enter the amount in thousand yen units and round off fractions smaller than one thousand yen. After completing all the details of each expense, please click the recalculate button.

Please note the following points when entering details of each expense.

○ Equipment Costs

When purchasing a large number of books and materials, please input to some extent, such as the contents of the books and materials, as "Western medieval political history related books". Also, in the case of machinery and equipment, simply enter a set of ○ ○ ○ as well as its breakdown.

○ Consumables Expenses

Please enter for each product name such as chemicals, laboratory animals, glassware, etc.

○ Necessity of the Equipment Costs and the Consumables Expenses

Please enter the necessity and the basis of the estimation of equipment cost and consumables expenses you entered. In any fiscal year of this research, if the "equipment costs" exceeds 90% of the total research expenditure and there is expenditure which accounts for a particularly large proportion in "consumables expenses", you must enter the necessity of the expenditure to carry out the research.

○ Domestic and Overseas Travel Expenses

As for the domestic and overseas travel expenses for Principal Investigator, Co-Investigator(s), Collaborating Researcher, and Research Collaborators (data collection, various investigations, meetings of research, announcement of results of research, etc.), please enter the expenditures (transportation fee, accommodation fee, daily allowance) etc. for each matter.

○ Personnel Cost / Honoraria

Please enter the expenditures for each matter such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) who 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)

○ Miscellaneous Expenses

Except for equipment cost, consumables expenses, travel expenses, personnel cost / honoraria, please enter the expenditures to carry out the research (e.g. the costs for printing, photocopying, developing/printing, correspondence (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) for each matter.

○ Necessity of Travel Expenses, Personnel Cost / Honoraria, and Miscellaneous Expenses

Please enter the necessity and the basis of the estimation of travel expenses, personnel cost / honoraria, and miscellaneous expenses you entered. In any fiscal year of this research, if the "travel expenses" and / or "personnel cost / honoraria" exceeds 90% of the total research expenses and there is expenses which accounts for a particularly large proportion in "miscellaneous expenses", you must enter the necessity of the expenditure to carry out the research.

17. The Status of Application and Acquisition of Research Grants

The entries in this column will be referred to by the review committee in order to ensure that the

grant status would not constitute a case of "unreasonable duplication and/or excessive concentration in the grant allocation" so that the proposed research project can be duly carried out in parallel with other projects. List, at the time of submission of this KAKENHI application by Principal Investigator, please input (1) research grant application(s) in the review process, (2) research grant(s) adopted and to be delivered, and (3) other activities.

・Please enter this research project to be entered at the head of "(1) research grant application(s) in the review process".

・Please enter not only KAKENHI but also other competitive funding system in "(1) research grant application(s) in the review process" and "(2) research grant(s) adopted and to be delivered".

・Please also enter research grants to be allocated competitively within the research institution to which you belong in "(1) research grant application(s) in the review process" or "(2) research grant(s) adopted and to be delivered".

・There is no need to enter the fundamental research grants that are allocated uniformly so that research activities etc. can carry out as duties within their research institution in "(1) research grant application(s) in the review process" or "(2) research grant(s) adopted and to be delivered". The effort of the research activities that utilize such grants is included in "(3) other activities". Moreover, the effort in the research project supported by a KAKENHI in which the researcher participates as Collaborating Researcher is included in "(3) other activities".

・If the applicant is a Research Fellowship for Young Scientists (SPD/PD/RPD) and plan to receive a Grant-in-Aid for JSPS Fellows in FY2018, please enter it in "(2) research grant(s) adopted and to be delivered". Moreover, please do not enter the Grant-in-Aid that is paid monthly by JSPS (research implementation costs).

In the detail column of "(1) research grant application(s) in the review process" and "(2) research grant(s) adopted and to be delivered", the data input column is displayed by pushing the necessary number of "Add" button on the left side of the input screen. For data entry fields that you do not use (if you have entered but do not use it or if you did not enter at all), please delete the data entry field by pressing the "Delete" button on the left side.

○ " Role in this Project"
Please select "PI" if the role of the researcher is a Principal Investigator or select "Co-I" if the role of the researcher is a Co-Investigator.

○ " Funding Scheme, Grant Category (Funding Organization)"
In case of KAKENHI, please select the research category. For cases other than KAKENHI, please select "Other" and enter the name of the research grant and the name of the funding organization

in the lower row.

○ "Research Period"
Please enter the research period.

○ "Title of Proposed Research Project"
Please enter the title of proposed research project.

○ "Name of Principal Investigator"
If applicant select "Co-I" in the column of Role in the Project, please enter the name of the Principal Investigator (or equivalent) of the research subject.

○ "Research Expenditure for FY2018 (Research Expenditure for the whole period) (Unit: thousand yen)"
Enter the amount of direct cost of research expenditure to be received and used by himself / herself in FY2018 (items under application is the applied amount) in the upper row, and at the same time enter the total amount (planned amount) to be used by himself / herself during the whole period in the lower row.
If applicant select "Co-I" in the column of Role in the Project, please enter the amount of contribution (planned amount) to be received and used by himself / herself in FY2018 in the upper row, and at the same time enter the total amount of contribution (planned amount) to be used by himself / herself during the whole period in the lower row. (Please enter "0" if contributions are not distributed in the respective column.

○ "Effort Percentage in FY2018 (%)"
Based on 100% of the total working hours for "(1) research grant application(s) in the review process", (2) research grant(s) adopted and to be delivered" and "(3) other activities" to be entered in this column, please enter the allocation rate (%) of the time required for conducting activities etc. The "total working hours" does not mean time spent only on research activities, but entire actual working time, including time spent on educational activities and other activities.
In KAKENHI, please enter "-" (hyphen) if applicant enter a research category (such as Specially Promoted Research) that can be duplicated but not adopted in duplicate.
In addition, when conducting research by the competitive funding system, please be sure to enter the effort related to the research activity. When the research project for which the current application is being made is selected, the applicant will be requested to confirm the effort anew at that time and to perform the procedure of formal application for grant delivery. If the effort is

changed at that time, it is necessary to correct the effort it e-Rad before formal application for grant delivery.

○ "Distinction of the research contents and reason for submission of this KAKENHI application in addition to the other projects"

Please explicitly enter the items focusing on the research grant application(s) in the review process or research grant(s) adopted and to be delivered, distinction of the research contents, and reason for submission of this KAKENHI application in addition to the other projects of the research project.

If applicant is a Principal Investigator of KAKENHI, please enter the total amount of direct cost for the whole research period in that column.

※ **Web** 入力項目の画面につきましては、９月下旬に公開予定の

電子申請システムをご覧ください。

* For the screen of items to be entered in the Website, please

see the Electronic Application System planned to open in

late September.