Supplement



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

FY2019

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, 2018

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

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2. The Notice of Completion of Research Project (No English version available)

(URL: http://www.jsps.go.jp/j-grantsinaid/index.html)

^{*} Forms for the Research Proposal Document (forms to be uploaded) will be downloaded from the JSPS website (see as below)

FY2019 Procedures for Preparing and Entering a Research Proposal Document for "Specially Promoted Research" (New Proposal)

Applicants for the 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 a 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 adopted as a result of the review at the Scientific Research Grant Committee, a notice concerning the provisional grant decision will be issued. By the form of the formal application for grant delivery, the submission based on the notice will be done. The KAKENHI will be disbursed if the research plan, etc. are acknowledged as appropriate.

Items to be noted

- * This Procedure for Preparing and Entering is to be used to prepare Research Proposal Document for <u>"Specially Promoted Research"</u> 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.
- * Characters and symbols in 11-point font size or larger (10-point or larger in English) should be used, considering a large number of application forms for research project will be reviewed.
- * The Research Proposal Document is consist of "II-1. Application Information (items to be entered in the Website) (First half)", "I-1. Research Proposal Document [form S-1(1)] (forms to be uploaded)", "II-2. Research Proposal Document [form S-1(2)] (forms to be uploaded)", "II-2. Application Information (items to be entered in the Website) (Second half)" and "I-3. Research Proposal Document [form S-1 (3)] (forms to be uploaded)".
- * Make sure that the title of each column is at the top of the page. Also, 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 but in that case, do not delete them.
- * The sentences in italics on the form should be deleted but do not delete other instructions and boxes.
- * 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. Research Proposal Document [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. Research Proposal Document (forms to be uploaded)

The Research Proposal Document (forms to be uploaded) is consists of "I-1. Research Proposal Document [form S-1(1)] (forms to be uploaded)", "I-2. Research Proposal Document [form S-1(2)] (forms to be uploaded)" and "I-3. Research Proposal Document [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.)

When preparing the Overall Research Plan, the instructions given for each column should be observed. The margin of style is set with upper 20 mm, lower 20 mm, left 25 mm, and right 25 mm. Do not change the setting margins because there is a risk of missing characters, etc. when preparing the review material.

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

of "Management of Research Proposal Document" screen. 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, 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 "Research Proposal Document [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, 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, 2019.
 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 "Research Proposal Document [form S-1 (2)] (forms to be uploaded)" "Research Plan and Methods").
- (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 select the main ones including the articles, books (excluding textbooks, academic abstracts, lecture abstracts), industrial property rights etc., and fill it within 1 page in a retroactive chronological order. (The 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.) 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.

As for the research achievements such as papers, books excluding textbooks, academic abstracts, and lecture abstracts, industrial property rights, etc. described in this column, a reference should be numbered in ascending order with Arabic figures.

(5) 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 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.

As for the research achievements such as invited lectures, awards, etc. at international conferences described in this column, a reference should be numbered in ascending order with Arabic figures.

I-2. Research Proposal Document [Form S-1 (2)] (forms to be uploaded)

The applicant should enter in the columns from (1) to (4) below, according to instructions mentioned in the respective column to be filled in. Moreover, the applicant is allowed to add pages. However, the information in the columns from (1) to (4) should be limited to the main points within 10 pages in total.

* When attaching the file to the electronic application system, the applicant should upload it in the column "S-1 (2)" of "Management of Research Proposal Document" screen. 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. The summary should be given with approximately 10 lines of paragraph.

(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.

In addition, the preparation status on the research environment such as research facilities and equipment, research materials, etc. which is indispensable for the implementation of the research plan should be given in the "Applicant's Ability to Conduct the Research and the Research Environment" column. (In case the Co-Investigator(s) are involved, their research environments are also explained.)

(4) "Applicant's Ability to Conduct the Research and the Research Environment" column

Enter in accordance with the instruction specified in the Research Proposal Document.

The description for the "(1) applicant's hitherto research activities and the details of the achievements," should be focused on the research activities relevant to the submitted research plan and also the details of achievements obtained from the research activities should be given with a view to showing the feasibility of the research plan. In case the Co-Investigator involves, it should be focused on the research activities relevant to the prospected roles in the research plan by the Co-Investigator.

As for the research achievements of the Principal Investigator such as research papers, books and lectures, main items of those are given in the columns of "RECENT RESEARCH ACTIVITIES I (Publications)" and "RECENT RESEARCH ACTIVITIES II (Invited Lectures and Talks, Prizes, etc.)" rather than using this column. (In case the Co-Investigator(s) are involved, their research achievements are also handled with the same manner.)

On showing the achievements from the past research activities in this column, a sufficient information to identify the achievement should be given in case there are special needs to show some particular detailed research achievements such as papers, books, patents, invited talks, etc. (For example, as for a research paper, there should be the title of the

paper, the name of the author(s), the journal name, the number of the volume and pages, etc., the publication year, the book reviews in case of books, and so on.)

However, in case the achievements already given in the columns of "RECENT RESEARCH ACTIVITIES I (Publications)" and "RECENT RESEARCH ACTIVITIES II (Invited Lectures and Talks, Prizes, etc.)" are to be shown again, the achievements in this column should be referred in the following manner with a clear correspondence relation.

In case of the achievements by Mr. Taro Gakushin, the Principal Investigator, already described in the "RECENT RESEARCH ACTIVITIES I (Publications)", the remarks in this column may be as follows;

(An example)

• "The achievements on something have been done. (Refer to the No.2 in the column "RECENT RESEARCH ACTIVITIES I (Publications)" of Mr. Taro Gakushin.)"

I-3. Research Proposal Document [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.

* When attaching the file to the electronic application system, the applicant should upload it in the column "S-1 (3)" of "Management of Research Proposal Document" screen. 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

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

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), enter the each item with approximately 10 lines of paragraph in accordance with the instruction specified in the Research Proposal Document. If not, submit this form leaving the column blank without any deletion.

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

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.

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, 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.

As for the Research Proposal Document (forms to be uploaded), following files should be uploaded into each specified area on the "Management of Research Proposal Document" screen; the "Research Proposal Document [S-1(1)] (forms to be uploaded)", the "Research Proposal Document [S-1(2)] (forms to be uploaded)", and the "Research Proposal Document [S-1(3)] (forms to be uploaded)".

Moreover, when uploading, the file names should be as follows.

- The name of the "Research Proposal Document [S-1(1)] (forms to be uploaded)" should start with "en" (or Capital letters are possible)
- The name of the "Research Proposal Document [S-1(2)] (forms to be uploaded)" should start with "jpa" (or Capital letters are possible).
- The name of the "Research Proposal Document [S-1(3)] (forms to be uploaded)" should start with "jpb" (or Capital letters are possible).

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 (This content is not converted to the PDF file.)

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 2019 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" (cf. Application Procedures for Grants-in-Aid for Scientific Research) in the "Research Proposal Document [form S-1(3)] (forms to be uploaded)".

4. Review Section (Section of Category) (This content is not converted to the PDF file.)

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"), select one Medium-sized Section (01-64, 90) firstly related to the research project.

Next, 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, save temporarily 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. If there is an error, save temporarily 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 the respective information in English.

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. 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.)

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 $Ca^{2+} (counts as 4 characters))$

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.

In addition, the revision on the title of the research project is not allowed in principal.

9. Research Abstract

The applicant should enter the purpose of the research project, and the methods and other matters to achieve the purpose of the research in a clear manner. It is possible to enter these in Japanese or in English.

Furthermore, it is noted that the review is to be conducted from diverse viewpoints by a review committee consisting of reviewers with different backgrounds.

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 to 1,000 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 the "Research Expenditure" column.

Moreover, in the section below the amount, in which \$1=\frac{\pma}{2}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 enter the information of researchers who belong to overseas research institutions (3 to 5 persons). (At the time, the "Name", the "Research Institution", and the "E-mail" are items which must be entered.)

A review comment from around one of overseas researchers in related to the research areas entered is to be requested.

However, researchers who are project members in the same research project for which the current application is being made 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 "Research Proposal Document [form S-1(3)] (forms to be uploaded)".

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, 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

As for the research plan for the Specially Promoted Research, the Co-Investigator and/or the Research Collaborator may be invited to the research activities, if necessary. For the definitions of "Principal Investigator", "Co-Investigator", and "Research Collaborator", refer Application Procedures for Grants-in-Aid for Scientific Research.

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

(1) Project Members Input (Principal Investigator)

- In the column "Distinction", it will be automatically displayed as "Principal Investigator".
- In the column "Researcher Number", "Name (Pronunciation in katakana and Kanji, etc.)", "Age (as of April 1, 2019)", and "Research Institution, Academic Unit (School, Faculty, etc.), Position" of the Principal Investigator, the information on the Principal Investigator which has been registered in e-Rad will be automatically displayed. Principal Investigator should verify whether the information has been displayed correctly.
- In the column "Academic Degree", Principal Investigator should fill in his/her academic degree.
- In the column "Role in This Project", the Principal Investigator should fill in, how the Principal Investigator and the Co-Investigator(s) 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 FY2019. Principal Investigator should also enter those information of Co-Investigator.
- In the column "Research Expenditure for FY2019", the share of the grant to the Principal Investigator and the Co-Investigator(s) should be entered in units of thousand yen, based on the research plan. Principal Investigator should also enter those information of Co-Investigator.
 - The total amount of all the shares of the grant to each researcher should correspond to "Research Expenditure for FY2019 (Thousand Yen)" displayed in the screen. If it does not correspond, "error" is displayed on the confirmation screen after entering.
- In the column "Effort", the Principal Investigator should enter the time allocation rate (an integral number between 1 and 100), assuming that the research project for which the current application is being made would be adopted.
 - When determining the time allocation rate, the Principal Investigator 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 adopted, the Principal Investigator 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.

(2) Project Members Input (Co-Investigator)

• Concerning the entry column for the Project Members List (Co-Investigator), 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 Principal Investigator 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.

- In the column "Distinction", it will be automatically displayed as "Co-I(s)".
- In the column "Researcher Number", "Name (Pronunciation in katakana and Kanji, etc.)", "Age (as of April 1, 2019)", and "Research Institution, Academic Unit (School, Faculty, etc.), Position" of the Co-Investigator, enter the researcher number of the Co-Investigator and click on the [Search] button, his/her information will be displayed, and click [OK] button.

Since the Co-Investigator may belong to more than one research institution, ask the Co-Investigator at first to confirm which affiliation he/she wishes to list for the application.

- In the columns "Academic Degree" and "Effort", the contents which the Co-Investigator entered in the consent process of Co-Investigator will be displayed.
- In the columns "Role in This Project" and "Research Expenditure for FY2019", the Principal Investigator should enter the contents. (Pease refer to the column "(1) Project Members Input (Principal Investigator)" for the entry method).

[About the Consent Process of Co-Investigator]

- The consent both from Co-Investigator him/herself and his/her research institution should be given on the electronic application system to list him/her on the project members as a Co-Investigator.
- To make a request for Co-Investigators, check the checkbox at "Request" in the "Status of Consent" row and save it temporarily. The researcher registered in the field is provisionally requested to participate in the research project as a Co-Investigator. Check the checkbox again to confirm that you want to request him/her to participate in the research project. (In addition, contact him/her that you had made the Co-Investigator request

on the system.)

- When the consent both from Co-Investigator him/herself and his/her research institution have been given, the "Status of Consent" will be changed to "Obtained the consent from the Co-Investigator" and "Obtained the consent from the institution".
- You cannot request the researcher to become a Co-Investigator whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution". Press [Delete] button on the left hand side of that column and delete the frame into which the data is being entered.
- When you request the researchers to become a Co-Investigator, your official request should be based on the high probability in obtaining the consent from the Co-Investigator-to-be after surely confirming the following items with the researchers.
 - ① For this research project, the Co-Investigator has to bear responsibility for the implementation of the research project in cooperation with the Principal Investigator.
 - ② As well as the Co-Investigator understand and comply with both the KAKENHI supplementary conditions (funding conditions) and the terms stipulated in the (a), (b), and (c) below, and to receive a share of KAKENHI from the Principal Investigator and use it properly.
 - (a) The Co-Investigator has to recognize that citizens have placed trust in scientific research and that the KAKENHI are funded with their tax, and you therefore have to use the KAKENHI in a proper and efficient way and refrain from committing research misconduct during my research.
 - (b) The Co-Investigator has to fulfil the requirement for the research ethics education coursework either by reading a textbook such as "For the Sound Development of Science The Attitude of a Conscientious Scientist —" ("For the Sound Development of Science" Editorial Committee on JSPS), by taking an e-Learning course such as the "e-Learning Course on Research Ethics [eL CoRE] or "APRIN Japan e-learning program (CITI Japan)", or by participating in the research ethics education course conducted at his/her institution based on the "Guidelines for Responding to Misconduct in Research" (Adopted August 26, 2014 by MEXT), prior to the formal application for grant delivery (or, in case the grant has already been delivered, by the time the "application for approval of change for the Co-Investigator" is submitted by the Principal Investigator to JSPS).
 - (c) The Co-Investigator has to understand thoroughly and confirm on what the researchers should consider, in conducting of their researches, from amongst the contents of both the statement "Code of Conduct for Scientists -Revised Version-" by the Science Council of Japan and the booklet "For the Sound Development of Science -The Attitude of a Conscientious Scientist-" by JSPS, by the time of the formal application for grant delivery of the concerned research project. (Or, by the time when the "application for approval of change of the Co-Investigator" is to be submitted to JSPS by the Principal Investigator, in case the official grant decision thereof has been already made.)
- * Refer to the KAKENHI (Grants-in-Aid for Scientific Research) Electronic Application System Operation Manual (URL: http://www-shinsei.jsps.go.jp/kaken/topkakenhi/shinsei ka.html) for the detailed information on the consent processes of the Co-Investigator such as operating environment, operating method, and so on.

- * The Co-Investigator(s)-to-be who have applied for the Specially Promoted Research input "The Status of Application and Acquisition of Research Grants" of their own in the course of the consent process. When inputting the column above, refer to the "3. Application Information Input (The Status of Application and Acquisition of Research Grants)" set forth in the Procedures for Preparing and Entering a Research Proposal Document.
 - (3) Joint researchers other than Co-Investigators become "Research Collaborators". 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 Plan and Methods".
 - (4) In each column where (English) is written, the applicant should enter the respective items in English.

Application Information (Items to be entered in the Website) (Screenshot) [Specially Promoted Research] "Management of Research Proposal Document" screen



Application Information (Items to be entered in the Website (First half)) (Screenshot) [Specially Promoted Research] – (1) "Application Information Input" screen

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Application Information (Items to be entered in the Website (First half)) (Screenshot) [Specially Promoted Research] – (2)

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Application Information (Items to be entered in the Website (First half)) (Screenshot) [Specially Promoted Research] – (3)

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

- Click [Add] button if you add Co-investigator(s) (Co-i(s)).

 Note: Click [Add] on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).

 Enter the researcher number of the Co-investigator and click on the [Search] button, his/her information will be displayed, and click [OK] button. Since the Co-investigator may belong to more than one research institution, please ask the Co-Investigator at first to confirm which affiliation he/she wishes to list for the application.
- The consent both from Co-Investigator him/herself and his/her research institution should be given on the electronic application system to list him/her o the project members as a Co-Investigator
- the project members as a Co-Investigator.

 To make a request for Co-Investigators, check the checkbox at "Request" in the "Status of Consent" row and save it temporarily. The researcher registered in the field is provisionally requested to participate in the research project as a Co-Investigator. Check the checkbox again to confirm that you want to request him/her to participate in the research project. (In addition, please contact him/her that you had made the Co-Investigator request on the system.)

 Once the consent by each Co- investigator is obtained, the term "Return Back" will be displayed in the Status of Consent column of the Co- Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co- Investigator. In easier that the status of "The consent from Co-Investigator has not yet been confirmed" and the Co-Investigator is able to correct the input information such as efforts again. Should the registered contents by the Co-Investigators be corrected, please make sure to check. (And also always inform the Co-Investigator that the "Return Back" has been commanded.)

 Regardless the entry of the consent from the Co-Investigator (including the research institutions to which the Co-Investigator belongs), pressing the [Delte] button enables to delete the frame for the data input. Please take note that you have to follow the same procedure from the beginning, in case you request the identical researcher to become a Co-Investigator again after the [Delete] of the frame above completed.

 You cannot register the researcher, whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution", as a Co-Investigator to the project members. Press [Delete] button on the left hand side of that column and delete the frame into which the data is being entered.
- the project members. Press [Delete] button on the left hand side of that column and delete the frame into which the data is being entered

[When you request the researchers to become a Co-investigator]
When you request the researchers to become a Co-investigator, your official request should be based on the high probability in obtaining the consent from the Co-investigator-to-be after surely confirming the following items with the researchers.

DFor this research project, the Co-Investigator has to bear responsibility for the implementation of the research project in cooperation with the Principal

Investigator.

②As well as the Co-linvestigator understand and comply with both the KAKENHI supplementary conditions (funding conditions) and the terms stipulated in the (a), (b) and (c) below, and to receive a share of KAKENHI from the Principal Investigator and use it properly.

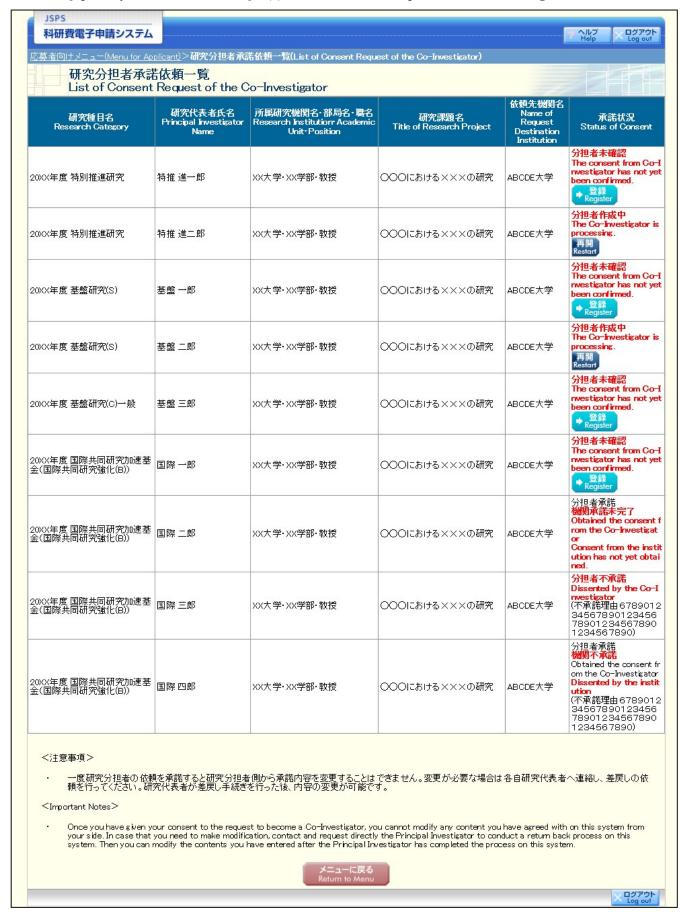
- (a)The Co-Investigator has to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you therefore have to use KAKENHI in a proper and efficient way and refrain from committing research misconduct during my research.

 (b)The Co-Investigator has to fulfil the requirement for the research ethics education coursework either by reading a textbook such as "For the Sound Development of Science". The Attitude of a Conscientious Scientist -" ("For the Sound Development of Science" Editorial Committee on JSPS), by taking an e-Learning course such as the "e-Learning Course on Research Ethics [eL CoRE] or "APRIN Japan e-learning morgram (CITI Japan)", or by participating in the research ethics education course conducted at his/her institution based on the "Guidelines for Responding to Misconduct in Research" (Adopted August 26, 2014 by the MEXT), prior to the formal application for grant delivery (or, in case the grant has a fready been delivered, by the time the "application for approval of change for the Co-Investigator" is submitted by the Principal Investigator to JSPS).

 (c)The Co-Investigator has to understand thoroughly and confirm on what the researchers should consider, in conducting of their researches, from amorest the contents of both the statement "Code of Conduct for Scientists -Revised Version" by the Science Council of Japan and the booklet "For the Sound Development of Science -The Attitude of a Conscientious Scientists" by the JSPS, by the time of the formal application for grant delivery of the concerned research project. (Or, by the time when the "application for approval of change of the Co-Investigator" is to be submitted to the JSPS by the Principal Investigator, in case the official grant decision thereof has been already made.)

	Status of Consent	Distinction	Name (Age)	1.Research Institution 2.Academic Unit (School, Faculty, etc.) 3.Position	1 Academic Degree 2Role in this Project	Research expenditure for FY 2019 (Thousand Yen) [U.S.\$]	Effo (%)
			(Researcher Number) 99999999 (Pronunciation in katak	1.AAA大学 AAA University	1. (Japanese) * (English)		
		研究代表者 (Principal Investigator)	ana) ダイヒョウ イチロウ (Kanji etc) 代表 一郎 (English) Da hyou Ichir	2.AA学部 AA Department	2. (Japanese)	* Thousand Yen	*
			ou (Age) 60 Years Old	3.教授 Professor	(English)		
_			*(Researcher Number) Search	1.	1.		
Delete	Request	* [研究分担者(Co-I(s)) ✔	(Pronunciation in katak ana) (Kanji etc)	2.	(Japanese) * (English)	* Thousand Yen	
~			(English) (Age)	3.			
		ne or	(Researcher Number) 12345678	1.AAA大学 AAA University		* Thousand Ven S	
<u>_</u>	Obtained the consent from the Co-Investigator Obtained the c		(Pronunciation in katak ana) ブンタン イチロウ	2.AA学部 -AA Department	1.OOO AAA 2.(Japanese) * (English)		
elete	onsent from the institution	研究分担者(Co-I(s))	(Kanji etc) 分担 一郎			* Thousand Yen	.n 30
•	Retum Bac k		(English) Buntan Ichirou	3.教授 Professor			
			(Age) XX Years Old	Froiessor			
	Dissented by t		(Researcher Number) 12345679	1.			
A he Cator	he Co-Investig ator (不承諾理由67	Investig 理由67	(Pronunciation in katak ana) ブンタン ジロウ	2.	1. 2. (Japanese)		
_	890123456 789012345 678901234	研究分担者(Co-I(s))	(Kanji etc) 分担 二郎		* (English)	* Thousand Yen	n
~	567890123 4567890)		(English) Buntan Jirou	3.			
			(Age) XX Years Old				
Add							
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		Save Temporarily and	Go to Next	Temporarily Save	Go Back Witho	out Save	
						Los	zout

Application Information (Items to be entered in the Website (First half)) (Screenshot) [Specially Promoted Research] – (4) "List of Consent Request of the Co-Investigator" screen



Application Information (Items to be entered in the Website (First half)) (Screenshot) [Specially Promoted Research] – (5) "Registration of Co-Investigators' Consent/Dissent" screen

科研費電子申請システム

ログアウト ANJ.

応募者向けメニュー(Menu for <u>Applicant</u>)>研究分担者承諾依頼一覧(List of Consent Request of the Co-Investigator)>(**研究分担者承諾・不承諾登録(Registration of Co-Investigators' Consent/Dissent)**>研究分担者承諾・不承諾登録完了(Consent/Dissent of Co-Investigator Registered))

研究分担者承諾•不承諾登録

Registration of Co-Investigators' Consent/Dissent

画面を表示してから29分経過

以下の応募者からの研究分担者の承諾・不承諾を登録します。

よろしければ、[ok]ボタンをクリックしてください。

Register consent/dissent of Co-Investigator requested from below applicant.

If it is OK with you, click [OK] button.

<注意事項>

*のついた項目は必須項目です。 入力中に、一定時間、ポタン操作をせずにおくと、セッションタイムアウトにより、入力した情報が保存されない場合があります。随時[一時保存]ボタンをク クして情報を保存して下さい。もし、セッションタイムアウトのエラーメッセージが出た場合は、「電子申請のご案内」ページの「よくあるご質問」をご参照下さ

<Note>

- Field marked in asterisk (*) is mandatory
- If the system remains idle for a certain period of time, a session time out may clear any information entered. Click Temporarily Save periodically to store changes. In such instance, please read the frequently asked questions on the electronic application system information page

研究種目名 Research Category	20XX年度 特別推進研究
氏名	〈漢字等〉(姓)特推(名)進一郎
Name	(フリガナ)(姓)トクスイ (名)シンイチロウ
所属研究機関名 Research Institution	XX大学
部局名 Academic Unit	XX学部
職名 Position	特任教授
研究課題名 Title of Research Project	xxxxxxxxx

4	M. Control of the Con
研究分担者 Co-Investigator	○承諾(Consent) ○不承諾(Dissent)

研究分担者になることを承諾する場合は、以下の内容を確認しチェックボックスにチェックを入れてください。

If you consent to become a Co-Investigator, check the contents below and check the checkbox.

■標記研究課題について、研究計画の遂行に関して研究代表者と協力しつつ、補助事業者として研究遂行責任を分担して研究活動を行う研 究分担者となることを承諾します。

For this research project, I consent to become a Co-Investigator who bears responsibility for the implementation of the research project in cooperation with the Principal Investigator.

■科研費の補助条件(交付条件)及び以下の内容を理解し、遵守するとともに研究代表者から分担金の配分を受け科研費を適正に使用する

I have read, understand and will comply with the KAKENHI supplementary conditions (funding conditions) and the terms stipulated in the following, and pledge that I will receive my share of KAKENHI from the Principal Investigator and use it properly.

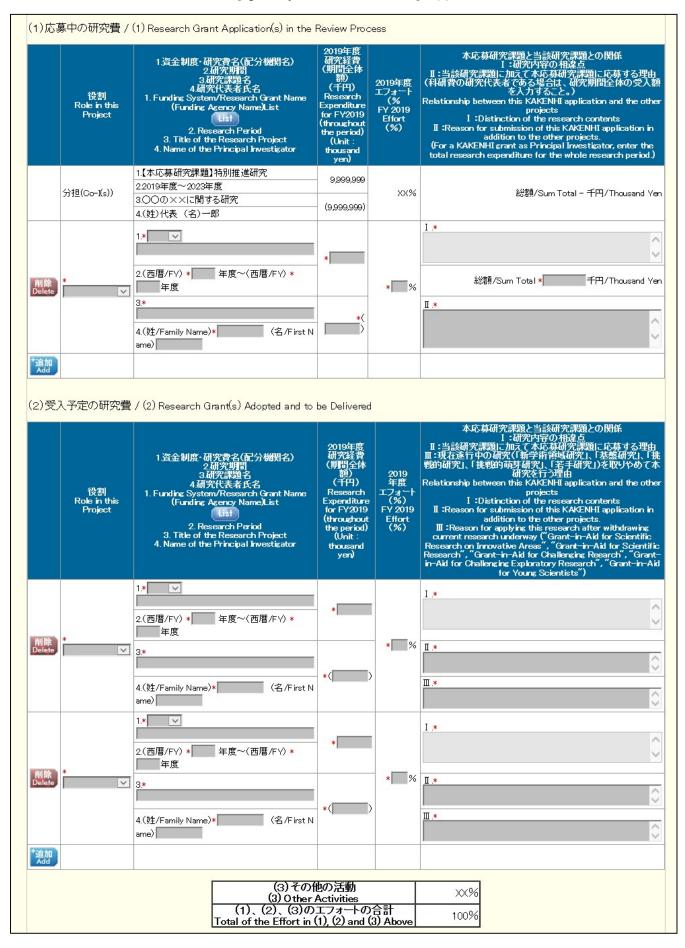
- 学術研究に対する国民の負託及び科研費が国民の負重な税金で賄われていることを十分認識し、科研費を適正かつ効率的に使用するとともに、研究において不正行為を行わないこと You have to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you therefore have to use
 - KAKENHI in a proper and efficient way and refrain from committing research misconduct during my research.
- 当該研究課題の交付申請前まで(交付決定後においては、研究代表者が日本学術振興会に研究分担者の変更承認申請を行う前まで)に研究倫理教育教材(『科学の健全な発展のために」編集委員会、研究倫理の一二、 は、「大学の健全な発展のために一誠実な科学者の心得一』日本学術振興会「科学の健全な発展のために」編集委員会、研究倫理の一二、 は、「大学のは全な発展のために一誠実な科学者の心得一』日本学術振興会「科学の健全な発展のために」編集委員会、研究倫理の一二、研究活動における不正行為への対応等に関するガイドライン(2014年8月26日 文部科学大臣決定)を踏まえ研究機関が実施する研究倫理教育の受講をすることがいる。 ないましている。 またいでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大学のでは、「大

当該研究課題の交付申請前まで(交付決定後においては、研究代表者が日本学術振興会に研究分担者の変更承認申請を行う前まで)に日本学術会議の 声明「科学者の行動規範一改訂版一」や、日本学術振興会「科学の健全な発展のために一誠実な科学者の心得一」の内容のうち、研究者が研究逐行上配慮すべき事項について、十分内容を理解し確認すること You have to understand thoroughly and confirm on what the researchers should consider, in conducting of their researches, from amongst the contents of both the statement "Code of Conduct for Scientists" Revised Version-" by the Science Council of Japan and the booklet "For the Sound Development of Science -The Attitude of a Conscientious Scientists" by the JSPS, by the time of the formal application for grant delivery of the concerned research project. (Or, by the time when the "application for approval of change of the Co-Investigator" is to be submitted to the JSPS by the Principal Investigator, in case the official grant decision thereof has been already made.)

Application Information (Items to be entered in the Website (First half)) (Screenshot) [Specially Promoted Research] – (6)

承諾する場合は、研究分担者の「氏名」、「所属研究機関」、「部局」、「職」の英語名を入力してください。また研究分担者の「学位」と分担する 研究の「エフォート」を入力してください。
If you consent to become a Co-Investigator, enter your "Name", the "Research Institution", the "Academic Unit" and the "Position" with the English name. And also enter your "Academic Degree" and the "Effort" of the research project in which you are supposed to participate.
氏名(英語) (姓/Family Name) (名/First Name)
所属研究機関(英語) Research Institution
部局(英語) Academic Unit (School, Faculty, etc.)
職(英語) Position
学位 * (日本語/Japanese) Academic Degree (英語/English)
* * * * * * * * * * * * *
【研究費の応募・受入等の状況 / The Status of Application and Acquisition of Research Grants】
 ※研究課題を入力する場合、入力画面左側の[追加]ボタンを必要な回数押すことでデータ入力枠が設定されます。使用しない欄(入力したが使用しない場合や全く入力しなかった場合)については、当該欄の左側の[削除]ボタンを押してデータ入力枠を削除してください。
 本欄は、合議審査において、「研究資金の不合理な重複や過度の集中にならず、研究課題が十分に遂行し得るかどうか」を判断する際に参照しますので、正確に入力して ください。 本研究の研究分担者の、応募時点における(1)応募中の研究費、(2)受入予定の研究費について入力してください。具体的な記入方法等については、研究計画調書作成・入力要領を参考にしてください。
・ 科研費以外の研究費は「その他」を選択し、「1・資金制度・研究費名(配分機関名)」に研究費の名称とその配分機関名を入力してください。 ・ 「エフォート」欄には、年間の全仕事時間を100%とした場合、それぞれの研究の実施等に必要となる時間の配分率(%)を入力してください。 ・ 所属研究機関内で競争的に配分される研究費についても入力してください。 ・ 「本応募研究課題と当該研究課題との関係」欄に、1、II及びIIについての理由を具体的かつ明確に入力してください。 ・ 所属研究機関の特定の目的(ミッション)に沿って行われるプロジェクト研究に参加している場合に、配分される研究費についても入力してください。なお、個
人へ配分される研究費が明確でない場合は、その旨を「I:研究内容の相違点」欄に入力してください。 ・ 応募中の研究費の「研究期間」「研究課題名」または「期間全体額」は研究代表者が応募情報を入力するまで表示されません。確認したい場合は、研究代表者に直接連絡してください。
* Click "Add" on the left-hand side of the window to insert additional research project fields. Click "Delete" on the left-hand side of each field to delete unused fields. (if any field is not used or no longer required) Note: PI: Principal Investigator, Co-I(s): Co-Investigator(s)
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 "urreasonable 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, (1) research grant application(s) in the review process and (2) research grant(s) adopted and to be delivered of Co-Investigator(s)(Co-I(s)). Refer to the "Procedures for Preparing and Entering Research Proposal Document (to be entered in the Website)" for the specific entry method of this form.
 For research grants other than KAKENHI, select "Others" and enter the name of the research grant and the name of the funding agency in "1. Funding System/research grant name (funding agency name)". In the "Effort Percentage" entry, enter the percentage of hours allocated to each research project, with the total yearly working hours set at 100%. If the applicant has acquired competitive research grants within his/her research institution, they should be also listed. Enter the reasons for 1, II and III concretely and clearly in the column "Relationship between this KAKENHI application and the other projects". 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 obear, fill in "I: Distinction of the research contents" to that effect. The columns for the "Research Period", the "Title of the Research Period" or the "Research Expenditure (throughout the period)" in the Research Grant Application(s) in the Review Process are not displayed until the Principal Investigator input the application information data. If you want to refer to, please make a contact with the Principal Investigator directly.
画面を表示してから29分経過 ー時保存 Temporarily Save

Application Information (Items to be entered in the Website (First half)) (Screenshot) [Specially Promoted Research] – (7)



Application Information (Items to be entered in the Website (First half)) (Screenshot) [Specially Promoted Research] – (8)



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 equipment 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 **Research Proposal Document [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.).

Pay attention to "target expenditure (direct expense)" and "non-eligible expenditure" described below. Also, 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 expense)"

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

expense)

- 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 expense*
 - * Indirect expense 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 expense). The expenditure is used by the research institution.

This time, it is scheduled to set up indirect expense for the research categories for which a call for proposals is organized. However, the Principal Investigator does not need to state that indirect expense in the Research Proposal Document.

Research expenditure and usage breakdown are automatically calculated from the details of each expense. Initial display is for 5 years from FY2019 to FY2023, but when applying for more than 6 years of research period, by pressing the "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), 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).

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

Note the following points when entering details of each expense. However, the way to journalize each expense should be handled in accordance with such as the accounting rules of the research institutions to which you belong including but not limited to the following examples.

(1) "Details of Equipment Costs" column

- O When purchasing equipment in the final year of the research period, enter the reasons that are particularly necessary in the "Necessity" column of the relevant fiscal year.
- O When purchasing a large number of books and/or materials, input, to some extent, the contents of the books and/or materials to clarify what they are, such as "the books related to the Western medieval political history" (As for the books, the same way to journalize should be applied even if they were not handled as equipment.).
- O 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

- O For consumables expenses, enter for each product name such as chemicals, laboratory animals, glassware, etc.
- O For travel expenses, select appropriate one between "Domestic Travel Expenses" and "Overseas Travel Expenses". For Principal Investigator, Co-Investigator(s), and Research Collaborator(s) (data collection, various investigations, meetings of research, announcement of results of research, etc.), enter the expenditures (transportation fee, accommodation fee and daily allowance), etc. for each matter.
- O For personnel cost/honoraria, 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)
- O For miscellaneous expenses, except for above mentioned expenditure, 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

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.

Principal Investigator and Co-Investigator should input and confirm following information up to the time of current application such as (1) research grant application(s) in the review process, (2) research grant(s) adopted and to be delivered, and (3) other activities.

In addition, as for the information on the Co-Investigator, the contents which have been inputted by the Co-Investigator in the course of the consent process are displayed on the screen. Therefore the

Principal-Investigator should confirm the contents which the Co-Investigator has inputted and fill in the column of the "total research expenditure for the whole research period" for the research project applied.

- This research project should be entered at the head of "(1) research grant application(s) in the review process".
- Not only KAKENHI but also other competitive research grants should be entered in "(1) research grant application(s) in the review process" and "(2) research grant(s) adopted and to be delivered".
- There is no need to enter the fundamental research grants that are allocated so that research activities, etc. can carry out as duties within the research institution to which the researcher belongs 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 and so on 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 Research Collaborator 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 FY2019, enter it in "(2) research grant(s) adopted and to be delivered". Moreover, do not enter the Grant-in-Aid that is paid monthly by JSPS (research implementation costs).
- As for the research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project related to the continued research project, do not enter expected amounts in the "(2) research grant(s) adopted and to be delivered".
- "Role in this Project"
 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, select the research category. For cases other than KAKENHI, "Other" and enter the name of the research grant and the name of the funding organization in the lower row.
- "Research Period"Enter the research period.
- "Title of Proposed Research Project"Enter the title of proposed research project.
- "Name of Principal Investigator"
 If applicant select "Co-I" in the column of Role in the Project, enter the name of the Principal Investigator (or equivalent) of the research subject.
- o "Research Expenditure for FY2019 (Research Expenditure for the whole period) (Unit: thousand yen)"

Enter the amount of direct expense of research expenditure to be received and used by himself/herself in FY2019 (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, enter the amount of contribution (planned amount) to be received and used by himself/herself in FY2019 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. (Enter "0" if contributions are not distributed in the respective column.

o "Effort Percentage in FY2019 (%)"

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, 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, enter "-" (hyphen) if the applicant enter the research category that can be applied in parallel with the Specially Promoted Research but not to be adopted in addition to it.

In addition, when conducting research by the competitive research grants, 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.

o "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".

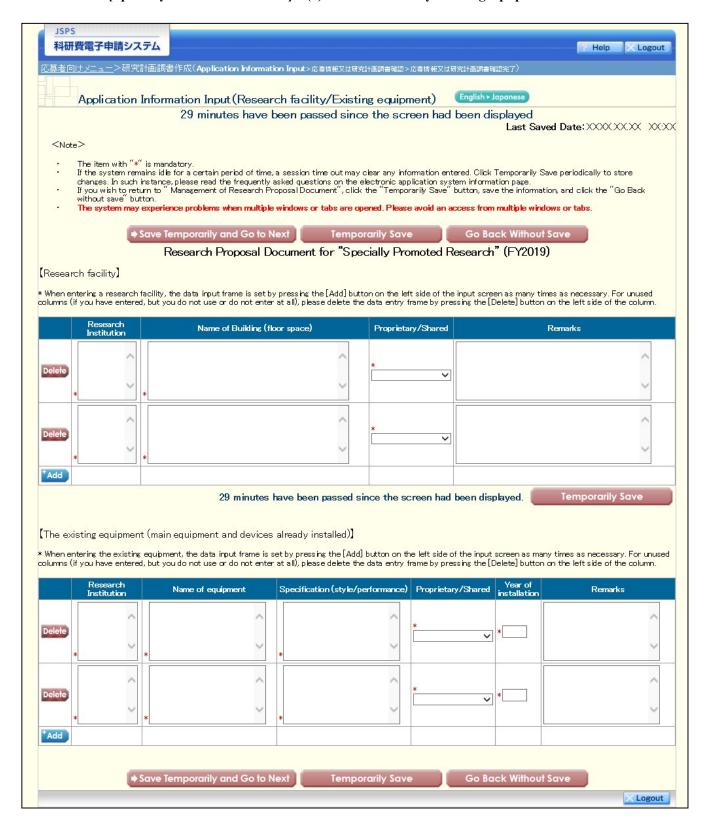
If applicant is a Principal Investigator of KAKENHI, enter the total amount of direct expense for the whole research period including the shared amount to the Co-Investigators in the column "I: Distinction of the research contents".

• If the "Specially Promoted Research" is adopted

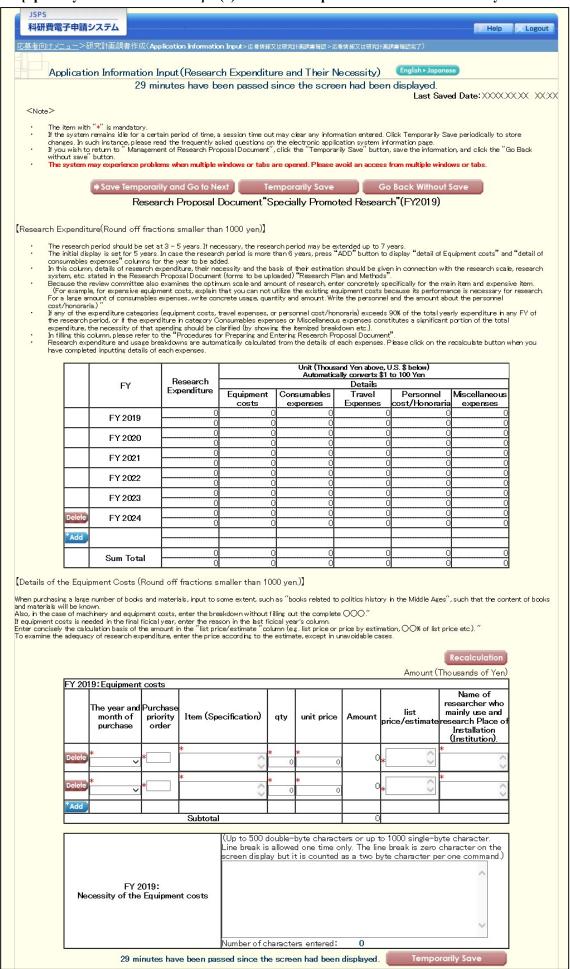
The Principal Investigator of "Specially Promoted Research" should abolish the research projects of the categories "Scientific Research on Innovative Areas" (Research in a Proposed Research Area/Publicly Offered Research), "Scientific Research", "Challenging Exploratory Research", "Challenging Research (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 implement and/or participate in the research as for the "Scientific Research on Innovative Areas" (Research in a Proposed Research Area/Planned Research).

Application Information (Items to be entered in the Website (Second half)) (Screenshot) [Specially Promoted Research] – (1) "Research facility/Existing equipment" screen



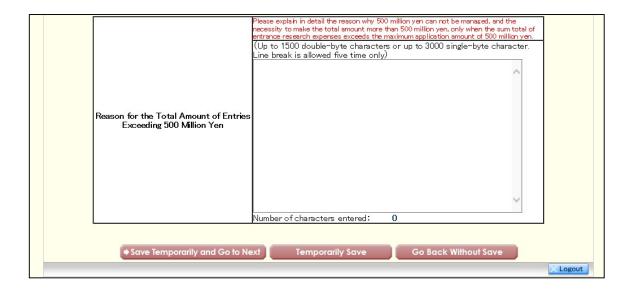
Application Information (Items to be entered in the Website (Second half)) (Screenshot) [Specially Promoted Research] – (2) "Research Expenditure and Their Necessity" screen



Application Information (Items to be entered in the Website (Second half)) (Screenshot) [Specially Promoted Research] – (3)

			Recalculation
		Amount	(Thousands of Yen)
FY 2019: C	onsumables expenses	T	T
		Item	Amount
Delete			
*			*
Delete			
Delete *			*
*Add			
		Subtotal	
		Amount	(Thousands of Yen)
FY 2019:	Travel Expense	Amount	(Thousands of Tell)
	Domestic/Overseas	Item	Amount
Delete *		*	*
	~		0
Delete *		*	*
	~	*	0
Delete	~	*	
*Add			
		Subtotal	
		Amount	(Thousands of Yen)
FY 2019: P	ersonnel cost/Honoraria		
		Item	Amount
Delete			*
*			*
Delete *			*
*			*
Delete *			*
*			*
Delete *		Subtotal	*
Delete *			* * (Thousands of Yen)
Pelete *	fscellaneous expenses		* * (Thousands of Yen)
Pelete *	fscellaneous expenses		* * (Thousands of Yen) Amount
Pelete *	fscellaneous expenses	Amount	
PY 2019: M	fiscellaneous expenses	Amount	
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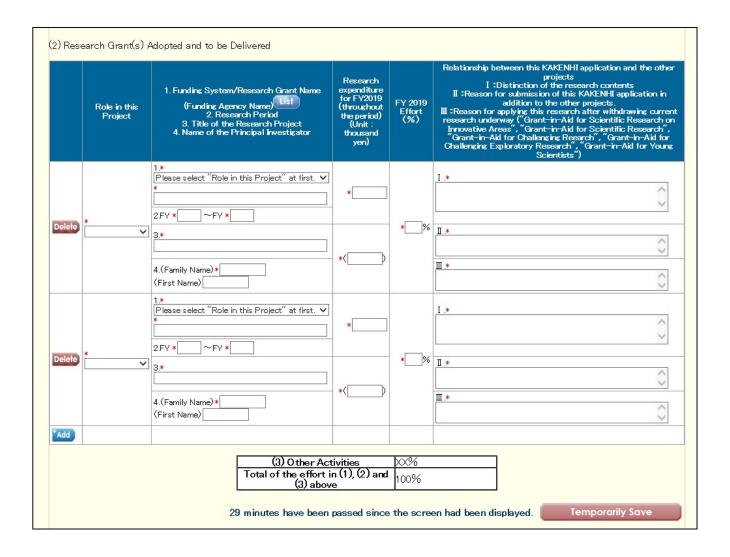
Application Information (Items to be entered in the Website (Second half)) (Screenshot) [Specially Promoted Research] – (4)



Application Information (Items to be entered in the Website (Second half)) (Screenshot) [Specially Promoted Research] – (5) "The Status of Application and Acquisition of Research Grants" screen

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Application Information (Items to be entered in the Website (Second half)) (Screenshot) [Specially Promoted Research] – (6)



Application Information (Items to be entered in the Website (Second half)) (Screenshot) [Specially Promoted Research] – (7)

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平成31年度 特別推進研究 研究計画調書 (新規)

RESEARCH PROPOSAL DOCUMENT
GRANT-IN-AID FOR SPECIALLY PROMOTED RESEARCH (FY2019)

XX年XX月XX日

研究代表者氏名	(フリガナ)						
Principal Investigator (PI)	(漢字等)						
investigator (11)	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							
	年度	研究経費		使 》	用内訳(千円 reakdown [U.S.\$)]	
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		[U.S.\$]	Costs	Expenses	Expenses	cost/Honoraria	Expenses
研究経費	平成31年度						
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捨てる	2020	[]	[]	[]	[]	[]	[]
	平成33年度						
	2021	[]	[]	[]	[]	[]	[]
Research	平成34年度						
Expenditure	2022	[]	[]	[]	[]	[]	[]
Round off fractions	平成35年度						
smaller than 1000 yen Converted to U.S.\$	2023	[]	[]	[]	[]	[]	[]
at 1 Dollar = 100 Yen	平成36年度						_
		[]	[]	[]	[]	[]	[]
	平成37年度						_
	2025	[]	[]	[]	[]	[]	[]
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	Sum Total	[]	[]	[]	[]	[]	[]

10,00	氏名(年		ncipal Investigator (PI) and Co-Investiga 所属研究機関 Research Institution 部局	学位 Academic Degree	平成31年度 研究経費 (千円)	エフォート
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Specially Promoted Research 1-1-()

PROJECT DESCRIPTION

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

Abstract

- (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

* Notes:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. All descriptions for this form should be written in English language.
- 3. The size and font used for characters should be 10-point or larger, and "Times New Roman" respectively.
- 4. The title and instructions on the upper part of each page should be left intact.
- 5. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 6. When preparing the document, these notes written in italics should be deleted.

Specially Promoted Research 1-2

CURRICULA VITAE

	Name	
	Date of Birth	Age
1. PI	Research Institution,	
/ Co-I	Academic Unit (School,	
	Faculty, etc.) & Position	
	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 Prizes.	Conference,	Date and	Place,	Title o	f Lecture(s)/Talk(s),	Name of

Specially Promoted Research 2-1-()

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]

[MAIN TEXT]

* Note 1:

1. Proposals submitted to the research category Specially Promoted Research will be reviewed in the Section "Categories" of Humanities and Social Sciences, Science and Engineering, and Biological Sciences. The proposal document should be prepared with consideration that it will be reviewed from diverse viewpoints by a review committee consisting of reviewers with different backgrounds.

* Note 2:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Specially Promoted Research 2-2-()

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 for the research plan: The description with an understandable manner should include a preparation status such as a data collection, analysis, assessment and examination, a preliminary experiment to become a foundation, a design and manufacture of the experimental devices or facilities, a development of methods, and an organization of the project members including a participation of Research Collaborator(s), etc., which is assumed to be a precondition for the implementation of the proposed research project and also explain on the relations between the preparation status and the research plan.
- A concrete description of the role-sharing between the Principal Investigator (PI) and the Co-Investigator(s) (Co-I(s)), if the proposed research project involves Co-I(s)

Specially Promoted Research 2-4-()

Applicant's Ability to Conduct the Research and the Research Environment

In this column, with a view to showing the feasibility of the research plan by the applicant (PI) (and Co-I(s), if any), descriptions of (1) applicant's hitherto research activities and the details of the achievements, and (2) research environments including research facilities and equipment, research materials, etc. relevant to the conduct of the proposed research should be given. In addition, the description of (1) above must include funded researches in the past and achievements obtained from the researches, etc. but if appropriate, it can include items not directly related to the proposed project. Moreover if there were some absence periods from research activities, an explanation, etc. about it may be provided in the description of (1) above.

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(1)応募中の研究費

研究者氏名					
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(2)受入予定の研究費

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Specially Promoted Research 2-10

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 (including the laws and regulations and the guidelines in the country/region(s) where the joint international research is to be conducted), 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, interviews and/or behavior surveys (including personal histories and images) 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 within 1 page: (1) the relevant information on the on-going project (for which FY2019 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 FY2019 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 FY2019

The original plan at the time of application/adoption and the research accomplishment of the ongoing project.

The reason for submission of this new proposal.

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.

FY2019 Procedures for Preparing and Entering a Research Proposal Document for "Scientific Research (S)" (New Proposal)

Applicants for the 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 a 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 adopted as a result of the review at the Scientific Research Grant Committee, a notice concerning the provisional grant decision will be issued. By the form of the formal application for grant delivery, the submission based on the notice will be done. The KAKENHI will be disbursed if the research plan, etc. are acknowledged as appropriate.

Items to be noted

- * This Procedures for Preparing and Entering is to be used to prepare Research Proposal Document for <u>"Scientific Research (S)" reviewed by the "Broad Section"</u> 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.
- * Characters and symbols in 11-point font size or larger (10-point or larger in English) should be used, considering a large number of application forms for research project will be reviewed.
- * Make sure that the title of each column is at the top of the page. Also, 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 but in that case, do not delete them.
- * The sentences in italics on the form should be deleted but do not delete other instructions and boxes.
- * 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. Research Proposal Document (items 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, refer to the "FY2019 Procedures for Preparing and Entering a Research Proposal Document" (items to be entered in the website) ("Scientific Research (S)").

o 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
- Researchers whom the applicant wishes to avoid as persons in charge of the writing of the review comments (optional)
- · Request for Disclosure
- · Contact information of the Principal Investigator
- Project Members
- o 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

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

(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. The summary should be given with approximately 10 lines of paragraph.

(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.

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

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), enter the each item with approximately 10 lines of paragraph in accordance with the instruction specified in the Research Proposal Document. If not, submit this form leaving the column blank without any deletion.

(5) "Proposal of the Researcher Conducting Scientific Research (S) for FY2019" column

Prepare it for each Principal Investigator (PI) and Co-Investigator(s) (Co-I(s)) who entered in the research organization and fill out according to the instructions described in the Research Proposal Document.

The description for the "(1) PI's or Co-I(s)'s, if any, hitherto research activities" should be focused on the research activities relevant to the submitted research plan to show the feasibility of the research plan. In case the Co-Investigator involves, it should be focused on the research activities relevant to the prospected roles in the research plan by the Co-Investigator.

When filling in, the description, together with an explanation on the feasibility of the research plan, should be given appropriately on the principal documents, etc. rather than mentioning comprehensively the research achievements such as papers, books, patents, invited talks and so on. (The papers under submission can be included only if they are already accepted for publication.)

When the research achievements are filled in, sufficient information to identify the published achievements should be given. For example, as for a research paper, there should be the title of the paper, the name of the author(s), the journal name, the number of the volume and pages, etc., the publication year, the book reviews in case of books, and so on.

In case that the applicants have periods during which the researches were suspended due to acquisition of maternity leave, childcare leave, care leave and so on, they may choose to write about it in this column.

In addition, preparing for the Proposal of the Researcher, your special attention is requested since the using forms are different between the Principle Investigator and the Co-Investigator. In case the whole project members consists of a sole PI, the Proposal of the Researcher for the Co-I is not required but submit this form leaving the page and column blank without any deletion.

"Proposal of the Researcher (PI)"

- The Principal Investigators are requested to prepare the Proposal of the Researcher by filling in both the "Scientific Research (S) 9-(1)" and the "Scientific Research (S) 9-(2) for the Proposal of the Researcher (PI)".
- When preparing for the Proposal of the Researcher (PI), the following descriptions are requested according to the instructions described in the "Proposal of the Researcher (PI)"; "(1) PI's hitherto research activities", "(2) PI's research environments", and "(3) research environments surrounding whole project members".
- In case the whole project members consists of a sole PI, no need to write in the (3) research environments surrounding whole project members.

"Proposal of the Researcher (Co-I)"

- In case the Co-Investigators are involved in the research members, the Proposal of the Researcher should be prepared by filling in the "Scientific Research (S) 9-(3)" for the "Proposal of the Researcher (Co-I)" for each Co-I.
- In the case of the plural Co-Is are involved in the research members, making copies of the "Scientific Research (S) 9-(3)" for the "Proposal of the Researcher (Co-I)" as original, the Proposal of the Researcher should be prepared in this way for the first Co-I using "Scientific Research (S) 9-(3)", for the second Co-I using "Scientific Research (S) 9-(4)" and so on.
- When preparing for the Proposal of the Researcher (Co-I), the following descriptions are requested according to the instructions described in the "Proposal of the Researcher (Co-I)"; "(1) Co-I's hitherto research activities" and "(2) Co-I's research environments".
- In case the whole project member consists of a sole PI, the Proposal of the Researcher (Co-I) is not required but the "Scientific Research (S) 9-(3)" for the "Proposal of the Researcher (Co-I)" should be submitted leaving the column blank without any deletion.
- * When entering in the column of "Main Existing Equipment", "Details of Equipment Costs", "Details of Consumables Expenses" and "The Status of Application and Acquisition of Research Grants", refer to "FY2019 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")".

機関番号	研究種目番号	応募区分番号	大区分	整理番号
00000	00	-	0	0000

平成31年度 (2019年度) 基盤研究 (S) 研究計画調書

XX年XX月XX日 1版

新規

研究種目	基盤研究(S)						
大区分	0	_					
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関							
部局							
職							
研究課題名							
	年度	研究経費			<u> 内訳(千円</u>		
	年 度	研究経費 (千円)	設備備品費	使月 消耗品費	月内訳(千円 旅費]) 人件費・謝金	その他
	年 度 平成31年度		設備備品費				その他
研究経費			設備備品費				その他
- 千円未満の 端数は切り	平成31年度		設備備品費				その他
千円未満の	平成31年度平成32年度		設備備品費				その他
- 千円未満の 端数は切り	平成31年度 平成32年度 平成33年度		設備備品費				その他
千円未満の開業数は切り	平成31年度 平成32年度 平成33年度 平成34年度		設備備品費				その他
千円未満の開業数は切り	平成31年度 平成32年度 平成33年度 平成34年度 平成35年度 総計	(千円)					その他

	氏名(年齢)	所属研究機関 部局 職	学位 役割分担	平成31年度 研究経費 (千円)	エフォ ート (%)
研究代表者	00000000 (00)	(00000)		(113)	(N)
者		(00)			
	00000000 (00)	(00000)			
研究分担者		(000)			
者		(00)			
	00000000 (00)	(00000)			
研究分担者		(000)			
担者		(00)			
	合計 00 名		研究経費合計		

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) (Co-I(s)), a concrete description of the role-sharing between the Principal Investigator (PI) and the Co-I(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]

[MAIN TEXT]

* Note 1:

1. Proposals submitted to the research category Scientific Research (S) will be reviewed in the pertaining Broad Section of the Review Section Table. The proposal document should be prepared with consideration that it will be reviewed from diverse viewpoints by a review committee consisting of reviewers with different backgrounds.

* *Note 2*:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Scientific Research (S) 2 [1. Research Objectives, Research Method, etc. (continued from the previous page)]

Scientific Research (S) 3 [1. Research Objectives, Research Method, etc. (continued from the previous page)]

Scientific Research (S) 4

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

Scientific Research (S) 5

[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 and its preparation status, and (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field.

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 (including the laws and regulations and the guidelines in the country/region(s) where the joint international research is to be conducted), 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, interviews and/or behavior surveys (including personal histories and images) 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 within 1 page: (1) the relevant information on the on-going project (for which FY2019 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 FY2019 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 FY2019

The original plan at the time of application/adoption and the research accomplishment of the ongoing project.

The reason for submission of this new proposal.

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) 9-(1)

[Proposal of the Researcher Conducting Scientific Research (S) for FY2019 (PI)]

Researcher	Name	Date of Birth (age)	(_years old)
(PI)	Institution, Academic Unit, Position	Academic Degree	

Ability to Conduct the Research and the Research Environment

In this column, descriptions of (1) PI's hitherto research activities, (2) PI's research environments including research facilities and equipment, research materials, etc. relevant to the conduct of the proposed research, and (3) research environments mentioned in the (2) above surrounding whole project members should be given within 2 pages to show the feasibility of the research plan by the applicant.

If the PI 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 "(1) PI's hitherto research activities".

(1) PI's hitherto research activities

(2) PI's research environments

(3) Research environments surrounding whole project members

* In case the whole project members consists of a sole PI, no need to write in the (3) research environments surrounding whole project members.

Scientific Research (S) 9-(2)

[Proposal of the Researcher (PI) (continued from the previous page)]

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) 9-(3)

[Proposal of the Researcher Conducting Scientific Research (S) for FY2019 (Co-I)]

Researcher	Name	Date of Birth (age)	(_years old)
(Co-I)	Institution, Academic Unit, Position	Academic Degree	

Ability to Conduct the Research and the Research Environment

In this column, descriptions of (1) Co-I's hitherto research activities, and (2) Co-I's research environments including research facilities and equipment, research materials, etc. relevant to the conduct of the proposed research should be given within 1 page to show the feasibility of the research plan by the applicant.

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 "(1) Co-I's hitherto research activities".

(1) Co-I's hitherto research activities

(2) Co-I's research environments

研究機関	設備名	仕様(形式・性能)	専用・共用 の別	設置年度	備考

(金額単位:千円)

平成31: 平成33: 平成34: 平成35: ※ 平成35: ※ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	年度 年度 年度 年度	研究経費	設備備品費	3	肖耗品 費	旅	ŧ	人件費・謝金	その他
平成32: 平成33: 平成34: 平成35: 総 i	年度 年度 年度 年度								
平成33: 平成34: 平成35: 総 i	年度 年度 年度								
平成34 平成35 総 設	年度年度								
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	ー 構備品費σ)明細							
		品名・仕様		数量	単価	金額	主 研究	Eとして使用する 3者及び設置機関名	購入予定 時期
設備備品	日費の必要	性							'

(金額単位:千円)

	消耗品費の明細	9	旅費の明細		人件費・謝金の	明細	その他の明細	
F度	事項	金額	事項	金額	事項	金額	事項	金額

消耗品費、旅費、人件費・謝金、その他の必要性

(1)応募中の研究費

研究者氏名					
資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
HOSS WILLS IN 1			(401-02-11-0-104)	(")	
			(千円)		
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(2)受入予定の研究費

資金制度・研究 費名 (研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
			(千円)		
			(千円)		
			(千円)		
			(千円)		
(3)その					
合	計			100 (%)	

FY2019 Procedures for Preparing and Entering a 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", 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 II 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 FY2019 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 (This content is not converted to the PDF file.)

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.

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

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 $Ca^{2+} \rightarrow input$ and $Ca^{2+} \rightarrow input$

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

8. Researchers whom the applicant wishes to avoid as persons in charge of the writing of the review

comments (This content is not converted to the PDF file.)

If there are researchers whom the applicant judges that they are not appropriate 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 about it in the section of the "Researchers whom the applicant wishes to avoid as persons in charge of the writing of the review comments" (optional and up to three persons for each section).

9. 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).

10. 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.).

11. Project Members List

Concerning the planned research of "Scientific Research (S)" as the occasion demands, it is possible to involve the "Co-Investigator", and the "Research Collaborator" in the research. For the definitions of "Principal Investigator", "Co-Investigator", "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) Project Members Input (Principal Investigator)

- In the column "Distinction", it will be automatically displayed as "Principal Investigator".
- In the column "Researcher Number", "Name (Pronunciation in katakana and Kanji etc)", "Age (as of April 1, 2019)", and "Research Institution, Academic Unit (School, Faculty, etc.), Position" of the Principal Investigator, the information on the Principal Investigator which has been registered in e-Rad will be automatically displayed. Principal Investigator should verify whether the information has been displayed correctly.
- In the column "Academic Degree", Principal Investigator should fill in his/her academic degree.
- In the column "Role in This Project", the Principal Investigator should fill in, how the Principal Investigator and the Co-Investigator(s) 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 FY2019. Principal Investigator should also enter those information of Co-Investigator.

• In the column "Research Expenditure for FY2019", the share of the grant to the Principal Investigator and the Co-Investigator(s) should be entered in units of thousand yen, based on the research plan. Principal Investigator should also enter those information of Co-Investigator.

The total amount of all the shares of the grant to each researcher should correspond to "Research Expenditure for FY2019 (Thousand Yen)" displayed in the screen. If it does not correspond, "error" is displayed on the confirmation screen after entering.

• In the column "Effort", the Principal Investigator should enter the time allocation rate (an integral number between 1 and 100), assuming that the research project for which the current application is being made would be adopted.

When determining the time allocation rate, the Principal Investigator 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 adopted, the Principal Investigator 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.

(2) Project Members Input (Co-Investigator)

• Concerning the entry column for the Project Members List (Co-Investigator), 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 Principal Investigator 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.

- In the column "Distinction", it will be automatically displayed as "Co-I(s)".
- In the column "Researcher Number", "Name (Pronunciation in katakana and Kanji etc)", "Age (as of April 1, 2019)", and "Research Institution, Academic Unit (School, Faculty, etc.), Position" of the Co-Investigator, enter the researcher number of the Co-Investigator and click on the [Search] button, his/her information will be displayed, and click [OK] button.

- Since the Co-Investigator may belong to more than one research institution, please ask the Co-Investigator at first to confirm which affiliation he/she wishes to list for the application.
- In the columns "Academic Degree" and "Effort", the contents which the Co-Investigator entered in the consent process of Co-Investigator will be displayed.
- In the columns "Role in This Project" and "Research Expenditure for FY2019", the Principal Investigator should enter the contents. (Pease refer to the column "(1) Project Members Input (Principal Investigator)" for the entry method).

[About the Consent Process of Co-Investigator]

- The consent both from Co-Investigator him/herself and his/her research institution should be given on the electronic application system to list him/her on the project members as a Co-Investigator.
- To make a request for Co-Investigators, check the checkbox at "Request" in the "Status of Consent" row and save it temporarily. The researcher registered in the field is provisionally requested to participate in the research project as a Co-Investigator. Check the checkbox again to confirm that you want to request him/her to participate in the research project.
 - (In addition, please contact him/her that you had made the Co-Investigator request on the system.)
- When the consent both from Co-Investigator him/herself and his/her research institution have been given, the "Status of Consent" will be changed to "Obtained the consent from the Co-Investigator" and "Obtained the consent from the institution".
- You cannot request the researcher to become a Co-Investigator whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution". Press [Delete] button on the left hand side of that column and delete the frame into which the data is being entered.
- When you request the researchers to become a Co-Investigator, your official request should be based on the high probability in obtaining the consent from the Co-Investigator-to-be after surely confirming the following items with the researchers.
 - ① For this research project, the Co-Investigator has to bear responsibility for the implementation of the research project in cooperation with the Principal Investigator.
 - ② As well as the Co-Investigator understand and comply with both the KAKENHI supplementary conditions (funding conditions) and the terms stipulated in the (a), (b) and (c) below, and to receive a share of KAKENHI from the Principal Investigator and use it properly.
 - (a) The Co-Investigator has to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you therefore have to use KAKENHI in a proper and efficient way and refrain from committing research misconduct during my research.
 - (b) The Co-Investigator has to fulfil the requirement for the research ethics education coursework either by reading a textbook such as "For the Sound Development of Science The Attitude of a Conscientious Scientist —" ("For the Sound Development of Science" Editorial Committee on JSPS), by taking an e-Learning course such as the "e-Learning Course on Research Ethics [eL CoRE] or "APRIN Japan e-learning program (CITI Japan)", or by participating in the research ethics education course conducted at his/her institution based on the "Guidelines for Responding to Misconduct in Research" (Adopted August 26, 2014 by the MEXT), prior to the formal

- application for grant delivery (or, in case the grant has already been delivered, by the time the "application for approval of change for the Co-Investigator" is submitted by the Principal Investigator to JSPS).
- (c) The Co-Investigator has to understand thoroughly and confirm on what the researchers should consider, in conducting of their researches, from amongst the contents of both the statement "Code of Conduct for Scientists -Revised Version-" by the Science Council of Japan and the booklet "For the Sound Development of Science -The Attitude of a Conscientious Scientist-" by the JSPS, by the time of the formal application for grant delivery of the concerned research project. (Or, by the time when the "application for approval of change of the Co-Investigator" is to be submitted to the JSPS by the Principal Investigator, in case the official grant decision thereof has been already made.)
- * Refer to the KAKENHI (Grants-in-Aid for Scientific Research) Electronic Application System Operation Manual (URL: http://www-shinsei.jsps.go.jp/kaken/topkakenhi/shinsei ka.html) for the detailed information on the consent processes of the Co-Investigator such as operating environment, operating method, and so on.
- * The Co-Investigator(s)-to-be who have applied for the Scientific Research (S) input "The Status of Application and Acquisition of Research Grants" of their own in the course of the consent process. When inputting the column above, refer to the "1) The Status of Application and Acquisition of Research Grants" under "The Status of Application and Acquisition of Research Grants" input screen set forth in the Procedures for Preparing and Entering a Research Proposal Document.
- (3) Joint researchers other than Co-Investigators are called "Research Collaborators". 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.".

"Main Existing Equipment" input screen

1. Main Existing Equipment

In this column, please input the existing equipment 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 expense)" 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 expense)"

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 expense)
- 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 expense*
 - * Indirect expense 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 expense).

The expenditure is used by the research institution. This time, it is scheduled to set up indirect expense for the research categories for which a call for proposals is organized. However, the Principal Investigator does not need to state that indirect expense 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 pressing the "Add" button necessary times 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 rounding off fractions smaller than one thousand yen. After completing the input of all the details of each expense, please click the recalculate button.

Please note the following points when entering details of each expense. However, the way to journalize each expense should be handled in accordance with such as the accounting rules of the research institutions to which you belong including but not limited to the following examples.

Equipment Costs

When purchasing a large number of books and/or materials, please input, to some extent, the contents of the

books and/or materials to clarify what they are, such as "the books related to the Western medieval political history" (As for the books, the same way to journalize should be applied even if they were not handled as equipment.). Also, in the case of the machinery and equipment, not only enter simply with a set of something but also with its breakdown.

Necessity of Equipment Costs

Please enter the necessity and breakdown of the equipment costs you have inputted. 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 period, if the "equipment costs" exceeds 90% of the total research expenditure in any FY of the period, you must enter the necessity of the expenditure to carry out the research and its breakdown. In addition, in such cases as equipment were purchased by the combined use from the grants, enter into the column of unit price the amount using for this concerned research project together with mentioning to the effect that this is the combined use.

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), and Research Collaborators (data collection, various investigations, meetings of research, announcement of results of research, etc.), please enter the expenditures (transportation fee, accommodation fee and daily allowance), etc. for each matter.

o 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)

o 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.

O 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 in any FY of the research period 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. Principal Investigator and Co-Investigator should input and confirm following information up to the time of current application such as (1) research grant application(s) in the review process, (2) research grant(s) adopted and to be delivered, and (3) other activities.

In addition, as for the information on the Co-Investigator, the contents which have been inputted by the Co-Investigator in the course of the consent process are displayed on the screen. Therefore the Principal-Investigator should confirm the contents which the Co-Investigator has inputted and fill in the column of the "total research expenditure for the whole research period" for the research project applied.

- This research project should be entered at the head of "(1) research grant application(s) in the review process".
- Not only KAKENHI but also other competitive research grants should be entered in "(1) research grant application(s) in the review process" and "(2) research grant(s) adopted and to be delivered".
- There is no need to enter the fundamental research grants that are allocated so that research activities, etc. can carry out as duties within the research institution to which the researcher belongs 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 and so on 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 Research Collaborator 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 FY2019, 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).
- As for the research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project related to the continued research project, do not enter expected amounts in the "(2) research grant(s) adopted and to be delivered".

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.

o "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.

- o "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.
- o "Research Expenditure for FY2019 (Research Expenditure for the whole period) (Unit: thousand yen)"

 Enter the amount of direct expense of research expenditure to be received and used by himself/herself in FY2019 (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 FY2019 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.

o "Effort Percentage in FY2019 (%)"

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 research grants, 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 expense for the whole research period including the shared amount to the Co-Investigators in this column.

Management of Research Proposal Document (Items to be entered in the Website) (Screenshot) [Scientific Research (S)]



Application Information Input (Items to be entered in the Website) (Screenshot) [Scientific Research (S), English version] – (1)

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Application Information Input (Items to be entered in the Website) (Screenshot) [Scientific Research (S), English version] – (2)

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

- Click [Add] button if you add Co-Investigator(s) (Co-I(s)).

 Note: Click [Add] on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).

 Enter the researcher number of the Co-Investigator and click on the [Search] button, his/her information will be displayed, and click [OK] button. Since the Co-Investigator may belong to more than one research institution, please ask the Co-Investigator at first to confirm which affiliation he/she wishes to list for the application.
- The consent both from Co-Investigator him/herself and his/her research institution should be given on the electronic application system to list him/her on the project members as a Co-Investigator
- To make a request for Co-Investigators, check the checkbox at "Request" in the "Status of Consent" row and save it temporarily. The researcher registered in the field is provisionally requested to participate in the research project as a Co-Investigator. Check the checkbox again to confirm that you want to request him/her to participate in the research project. (In addition, please contact him/her that you had made the Co-Investigator request on the
- want to request him/her to participate in the research project. (In auduloi), prease contact him/her to participate in the research project. (In auduloi), prease contact him to the Status of Consent column of the Co-Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co-Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co-Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of "The consent from Co-Investigator not yet been confirmed" and the Co-Investigator is able to correct the input information such as efforts again. Should the registered contents by the Co-Investigators be corrected, please make sure to check. (And also always inform the Co-Investigator that the "Return Back" has been commanded.)
 Regardless the entry of the consent from the Co-Investigator (including the research institutions to which the Co-Investigator belongs), pressing the [Delete] button enables to delete the frame for the data input. Please take note that you have to follow the same procedure from the beginning, in case you request the identical researcher to become a Co-Investigator again after the [Delete] of the frame above completed.

 You cannot register the researcher, whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution", as a Co-Investigator to the project members. Press [Delete] button on the left hand side of that column and delete the frame into which the data is being entered.

[When you request the researchers to become a Co-Investigator]

When you request the researchers to become a Co-Investigator, your official request should be based on the high probability in obtaining the consent from the Co-Investigator-to-be after surely confirming the following items with the researchers.

(DFor this research project, the Co-Investigator has to bear responsibility for the implementation of the research project in cooperation with the Principal

Investigator.
②As well as the Co-Investigator understand and comply with both the KAKENHI supplementary conditions (funding conditions) and the terms stipulated in the (a), (b) and (c) below, and to receive a share of KAKENHI from the Principal Investigator and use it properly.

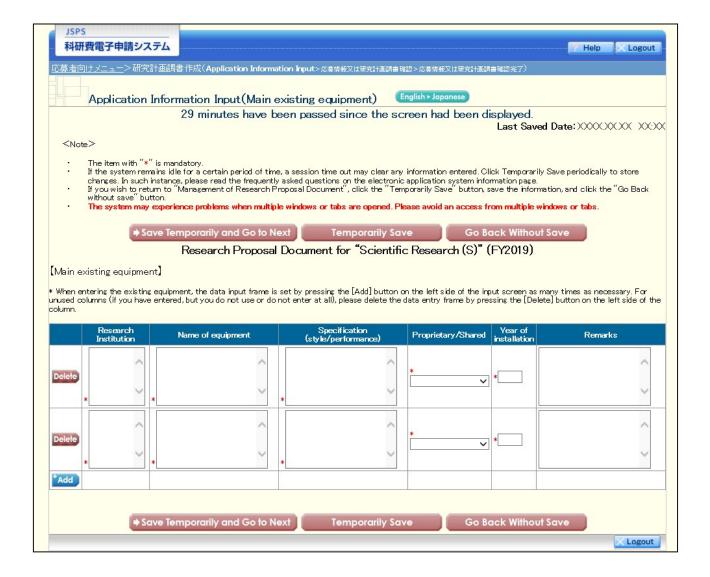
- (a)The Co-Investigator has to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you
- (a)The Co-Investigator has to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you therefore have to use KAKENHI in a proper and efficient way and refrain from committing research misconduct during my research.

 (b)The Co-Investigator has to fulfil the requirement for the research ethics education coursework either by reading a textbook such as "For the Sound Development of Science". Editorial Committee on JSPS), by taking an e-Learning course such as the "e-Learning Course on Research Ethics [eL CoRE] or "APRIN Japan e-learning program (CITI Japan)", or by participating in the research ethics education course conducted at his/her institution based on the "Guidelines for Responding to Misconduct in Research" (Adopted August 26, 2014 by the MEXT), prior to the formal application for grant delivery (or, in case the grant has already been delivered, by the time the "application for approval of charge for the Co-Investigator" is submitted by the Principal Investigator to JSPS).

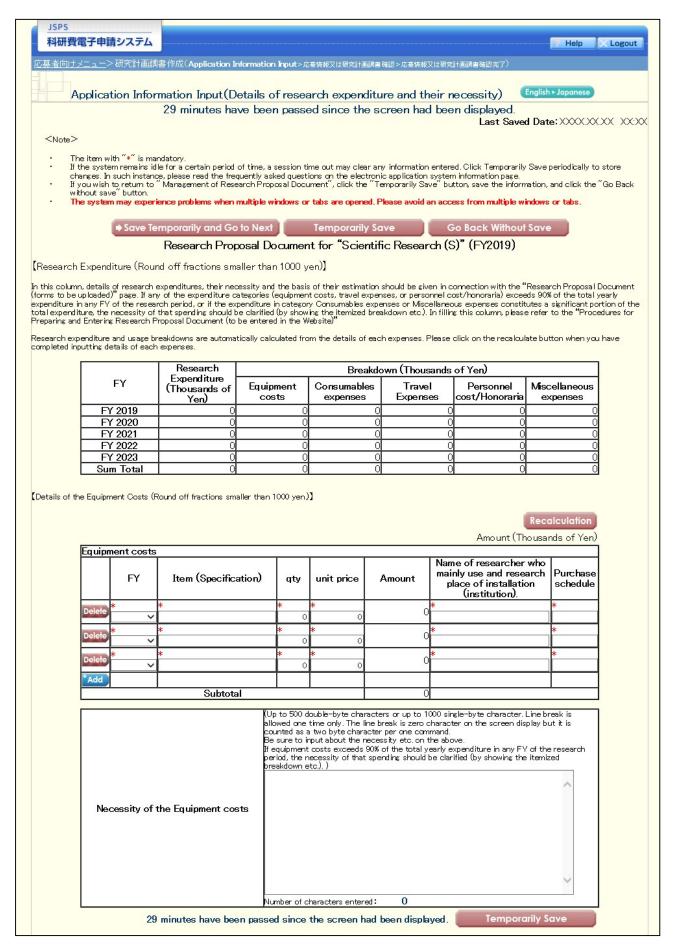
 (c)The Co-Investigator has to understand thoroughly and confirm on what the researchers should consider, in conducting of their researches, from amongst the contents of both the statement "Code of Conduct for Scientists "Revised Version-" by the Science Council of Japan and the booklet "For the Sound Development of Science —The Attitude of a Conscientious Scientistes" by the time of the formal application for grant delivery of the concerned research project. (Or, by the time when the "application for approval of charge of the Co-Investigator" is to be submitted to the JSPS by the Principal Investigator, in case the official grant decision thereof has been already made.)

	Status of Consent	Distinction	Name (Age)	Research Institution Academic Unit (School, Faculty, etc.) Position	1 Academic Degree 2.Role in This Project	Research Expenditure for FY2019 (Thousand Yen)	Effort(%)
		(Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダ イヒョウ イチロウ (Kanji etc) 代表 一郎 (Age) 60 Years Old	AAA大学	1.*	*	*
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Main existing equipment (Items to be entered in the Website) (Screenshot) [Scientific Research (S), English version]



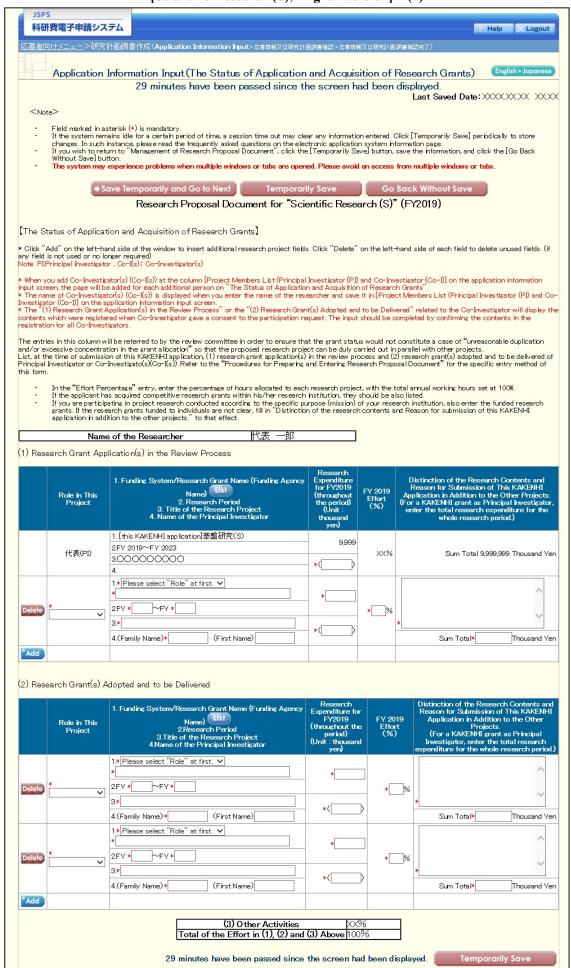
Details of research expenditure and their necessity (Items to be entered in the Website) (Screenshot) [Scientific Research (S), English version] – (1)



Details of research expenditure and their necessity (Items to be entered in the Website) (Screenshot) [Scientific Research (S), English version] – (2)

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The Status of Application and Acquisition of Research Grants (Items to be entered in the Website) (Screenshot) [Scientific Research (S), English version] – (1)



The Status of Application and Acquisition of Research Grants (Items to be entered in the Website) (Screenshot) [Scientific Research (S), English version] – (2)

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) Research	n Grant Application(s) in the Review F	Process		
Role in This Project	Funding System/Research Grant Name (Funding Agency Name) 2Research Period 3.Title of the Research Project 4.Name of the Principal Investigator	Research Expenditure for FY2019 (throughout the period) (Unit : thousand yen)	FY 2019 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 Principal Investigator, enter the total research expenditure for the whole research period.)
分担(Co-I(s))	1[this KAKENHI application]基盤研究(S) 22019年度~2023年度 3.○○○○○についての研究	9,999,999	xx%	Sum Total – Thousand Y
	4代表 一郎 1基盤研究(S) 22019年度~2023年度	9,999,999		0000000000000
分担(Co-I(s))	3.0000についての研究 4.代表 三郎	(9,999,99)	XX%	Sum Total – Thousand Yo
?) Research	n Grant(s) Adopted and to be Delivere	ed		
Role in This Project	Funding System/Research Grant Name (Funding Agency Name) 2Research Period 3.Title of the Research Project 4.Name of the Principal Investigator	Research Expenditure for FY2019 (throughout the period) (Unit : thousand yen)	FY 2019 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 Principal Investigator, enter the total research expenditure for the whole research period.)
代表(PI)	1 基盤研究(S) 22019年度~2023年度 3.0000についての研究	9,999,999	xx%	0000000000000
	4. 1基盤研究(S)	(9,999,999)		Sum Total 9,999,999 Thousand Y
分担(Co-I(s))	22019年度〜2023年度 3○○○○についての研究 4代表 二郎	9,999,999	xx%	Sum Total - Thousand Y
			12	Sum rotal - mbusanu r
	T-4-1 -646 - FEG-4: (1) (2)	xX% 100%		
	Name of the Researcher		郎	
) Research	n Grant Application(s) in the Review F	p	P-11-	
Role in This Project	Funding System/Research Grant Name (Funding Agency Name) 2Research Period 3.Title of the Research Project 4.Name of the Principal Investigator	Research Expenditure for FY2019 (throughout the period) (Unit : thousand yen)	FY 2019 Effort (%)	Distinction of the Research Contents and Reason for Submission This KAKENHI Application in Addition to the Other Projects. (For a KAKENHI grant as Principal Investigator, enter the total research expenditure for the whole research period.)
分担(Co-I(s))	3.0000についての研究	999,999,9	xx%	Sum Total – Thousand Y
) Research	4代表 一郎 n Grant(s) Adopted and to be Delivera	ed		
Role in This Project	Funding System/Research Grant Name (Funding Agency Name) 2Research Period 3.Title of the Research Project 4Name of the Principal Investigator	Research Expenditure for FY2019 (throughout the period) (Unit: thousand yen)	FY 2019 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 Principal Investigator, enter the total research expenditure for the whole research period.)
	Total of the Effort in (1), (2) and	<u>xx%</u> 100%		
	(3) Above			

Registration of Co-Investigators' Consent/Dissent (Items to be entered in the Website) (Screenshot) [Scientific Research (S), English version] – (1)



Registration of Co-Investigators' Consent/Dissent (Items to be entered in the Website) (Screenshot) [Scientific Research (S), English version] – (2)



Registration of Co-Investigators' Consent/Dissent (Items to be entered in the Website) (Screenshot) [Scientific Research (S), English version] – (3)



FY2019 Procedures for Preparing and Entering a Research Proposal Document for "Scientific Research (A/B/C) (General)", "Early-Career Scientists" (New Proposal)

Applicants for the 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 a 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 adopted as a result of the review at the Scientific Research Grant Committee, a notice concerning the provisional grant decision will be issued. By the form of the formal application for grant delivery, the submission based on the notice will be done. The KAKENHI will be disbursed if the research plan, etc. are acknowledged as 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.
- * Characters and symbols in 11-point font size or larger (10-point or larger in English) should be used, considering a large number of application forms for research project will be reviewed.
- * Make sure that the title of each column is at the top of the page. Also, 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 but in that case, do not delete them.
- * Applicant can delete the sentences in italics on the form but do not delete other instructions and boxes.
- * 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. Research Proposal Document (items 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, refer to the "FY2019 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").

o 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")
- Date of Ph.D. Acquisition (*only for "Early-Career Scientists")
- Application Requirements (*only for "Early-Career Scientists")
- Title of the Research Project
- Research Abstract (*only for "Scientific Research (A)")
- · Request for Disclosure
- Project Members (*Except "Early-Career Scientists")

o Items to be entered in the Website (Second half)

· Research Expenditures and Their Necessity

The Status of Application and Acquisition of Research Grants

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

(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. The summary should be given with approximately 10 lines of paragraph.

(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.

(3) "Applicant's Ability to Conduct the Research and the Research Environment" column

Enter in accordance with the instruction specified in the Research Proposal Document.

The description for the "(1) applicant's hitherto research activities" should be focused on the research activities relevant to the submitted research plan to show the feasibility of the research plan. In case the Co-Investigator involves, it should be focused on the research activities relevant to the prospected roles in the research plan by the Co-Investigator.

When filling in, the description, together with an explanation on the feasibility of the research plan, should be given appropriately on the principal documents, etc. rather than mentioning comprehensively the research achievements such as papers, books, patents, invited talks and so

on. (The papers under submission can be included only if they are already accepted for publication.)

When the research achievements are filled in, sufficient information to identify the published achievements should be given. For example, as for a research paper, there should be the title of the paper, the name of the author(s), the journal name, the number of the volume and pages, etc., the publication year, the book reviews in case of books, and so on.

In case that the applicants have periods during which the researches were suspended due to acquisition of maternity leave, childcare leave, care leave and so on, they may choose to write about it in this column.

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

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)".

(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" 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), enter the each item with approximately 10 lines of paragraph in accordance with the instruction specified in the Research Proposal Document. If not, submit this form leaving the column blank without any deletion.

* When entering in the column of "Research Expenditure and Their Necessity" and "The Status of Application and Acquisition of Research Grants", refer to "FY2019 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")".

機関番号	研究種目番号	応募区分番号	中区分	整理番号
00000	00	0	00	0000

平成31年度 (2019年度) 基盤研究 (A) (一般) 研究計画調書

XX 年XX月XX日 1版

新規

研究種目	基盤研究(A)		応募区分	一般			
中区分							
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関							
部局							
職							
研究課題名							
研究の要約							
	年度	研究経費	÷几件件口槽		月内訳(千		7 0 /4
	平成31年度	(千円)	設備備品費	消耗品費	旅費	人件費·謝金	その他
研究経費	平成32年度						
(千円未満の) 端数は切り 捨てる	平成33年度						
	平成34年度						
	平成35年度						
	総計						
開示希望の有無	審査結果の開	開示を希望す	ける				
研究計画最終年	度前年度応募						

	氏名(年齢)	所属研究機関 部局 職	学位 役割分担	平成31年度 研究経費 (千円)	エフォ ート (%)
研究代表者	00000000 (00)	(00000)		(113)	(11)
者		(00)			
	00000000 (00)	(00000)			
研究分担者		(000)			
者		(00)			
	00000000 (00)	(00000)			
研究分担者		(000)			
担者		(00)			
	合計 00 名		研究経費合計		

Scientific Research (A) (General) 1

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 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) (Co-I(s)), a concrete description of the role-sharing between the Principal Investigator (PI) and the Co-I(s) should be given.

[SUMMARY]

[MAIN TEXT]

* *Note 1:*

1. Proposals submitted to the research category Scientific Research (A) will be reviewed in the pertaining Medium-sized Section of the Review Section Table. The proposal document should be prepared with consideration that it will be reviewed from diverse viewpoints by a review committee consisting of reviewers with different backgrounds.

* *Note 2:*

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Scientific Research (A) (General) 2 [1. Research Objectives, Research Method, etc. (continued from the previous page)]

Scientific Research (A) (General) 3 [1. Research Objectives, Research Method, etc. (continued from the previous page)]

Scientific Research (A) (General) 4
[1. Research Objectives, Research Method, etc. (continued from the previous page)]

Scientific Research (A) (General) 5 [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 and its preparation status, and (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field.

3. Applicant's Ability to Conduct the Research and the Research Environment

In this column, descriptions of (1) applicant's hitherto research activities, and (2) research environments including research facilities and equipment, research materials, etc. relevant to the conduct of the proposed research should be given within 2 pages to show the feasibility of the research plan by the applicant (PI) (and Co-I(s), if any).

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 "(1) applicant's hitherto research activities".

Scientific Research (A) (General) 8 [3. Applicant's Ability to Conduct the Research and the Research Environment (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 (including the laws and regulations and the guidelines in the country/region(s) where the joint international research is to be conducted), 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, interviews and/or behavior surveys (including personal histories and images) 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 within 1 page: (1) the relevant information on the on-going project (for which FY2019 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 FY2019 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 FY2019

The original plan at the time of application/adoption and the research accomplishment of the ongoing project.

The reason for submission of this new proposal.

(金額単位:千円)

年度	設備備品費の明細					消耗品費の明細	1
F及	品名・仕様	設置機関	数量	単価	金額	事項	金額
设備	備品費、消耗品費の必要性						<u>'</u>
設備	備品費、消耗品費の必要性						

(金額単位:千円)

	国内旅費の明細	4	外国旅費の明細		人件費・謝金の	明細	(金額単位:千円 その他の明細	
F度	事項	金額	事項	金額	事項	金額	事項	金額
曹	└ 、人件費・謝金	 、その他 <i>の</i>	└──)必要性					
	* * *!! *** HG1 ***							

(1)応募中の研究費

研究者氏名					
資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
			(千円)		
			(千円)		
			(千円)		
			(113)		
			(千円)		

(2)受入予定の研究費

資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
			(TIII)		
			(千円)		
			(千円)		
			(千円)		
			(千円)		
(3)その(100	
合	計			(%)	

機関番号	研究種目番号	応募区分番号	小区分	整理番号
00000	00	0	00000	0000

平成31年度 (2019年度) 基盤研究(B)(一般)研究計画調書

XX 年XX月XX日 1版

新規

研究種目	基盤研究(B)		応募区分	一般			
小区分					·		
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関							
部局							
職							
研究課題名							
研究課題名 		研究経費		使用]内訳(千F	9)	
研究課題名 	年度	研究経費 (千円)	設備備品費		内訳(千F 旅費	引) 人件費·謝金	その他
	年度平成31年度		設備備品費				その他
研究経費	- 1.2		設備備品費				その他
研究経費 「千円未満の) 「端数は切り	平成31年度		設備備品費				その他
研究経費	平成31年度平成32年度		設備備品費				その他
研究経費 「千円未満の) 「端数は切り	平成31年度 平成32年度 平成33年度		設備備品費				その他
研究経費	平成31年度 平成32年度 平成33年度 平成34年度		設備備品費				その他
研究経費	平成31年度 平成32年度 平成33年度 平成34年度 平成35年度 総計	(千円)					その他

	氏名(年齢)	所属研究機関 部局 職	学位 役割分担	平成31年度 研究経費 (千円)	エフォート (%)
研究代表者	00000000 (00)	(00000)		(113)	
表 者		(00)			
研究分担者	00000000 (00)	(00000)			
担者		(00)			
研究	00000000 (00)	(00000)			
研究分担者		(00)			
	△±1 00 &		丌垃圾差△≐1		
	合計 00 名	2	研究経費合計		

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 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) (Co-I(s)), a concrete description of the role-sharing between the Principal Investigator (PI) and the Co-I(s) should be given.

[SUMMARY]

[MAIN TEXT]

* Notes:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Scientific Research (B) (General) 2

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

Scientific Research (B) (General) 3 [1. Research Objectives, Research Method, etc. (continued from the previous page)]

Scientific Research (B) (General) 4

[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 and its preparation status, and (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field.

3. Applicant's Ability to Conduct the Research and the Research Environment

In this column, descriptions of (1) applicant's hitherto research activities, and (2) research environments including research facilities and equipment, research materials, etc. relevant to the conduct of the proposed research should be given within 2 pages to show the feasibility of the research plan by the applicant (PI) (and Co-I(s), if any).

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 "(1) applicant's hitherto research activities".

Scientific Research (B) (General) 7 [3. Applicant's Ability to Conduct the Research and the Research Environment (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 (including the laws and regulations and the guidelines in the country/region(s) where the joint international research is to be conducted), 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, interviews and/or behavior surveys (including personal histories and images) 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 within 1 page: (1) the relevant information on the on-going project (for which FY2019 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 FY2019 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 FY2019

The original plan at the time of application/adoption and the research accomplishment of the ongoing project.

The reason for submission of this new proposal.

(金額単位:千円)

	設備備品費の明細					消耗品費の明細	8
F度	品名・仕様	設置機関	数量	単価	金額	事項	金額
設備	備品費、消耗品費の必要性						

(金額単位:千円)

	国内旅費の明細		外国旅費の明細		人件費・謝金の	———— 明細	その他の明細		
F度	事項	金額	事項	金額	事項	金額	事項	金額	

(1)応募中の研究費

研究者氏名					
資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
			(千円)		
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			(千円)		
			(113)		
			(千円)		

資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
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			(千円)		
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			(千円)		
			(千円)		
(3)その(100	
合	計			(%)	

機関番号	研究種目番号	応募区分番号	小区分	整理番号
00000	00	0	00000	0000

平成31年度 (2019年度) 基盤研究 (C) (一般) 研究計画調書

XX 年XX月XX日 1版

新規

研究種目	基盤研究(C)		応募区分	一般			
小区分							
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関							
部局							
職							
研究課題名							
研究課題名		研究経費		使用]内訳(千	円)	
研究課題名	年度	研究経費 (千円)	設備備品費		3内訳(千 旅費	円) 人件費·謝金	その他
研究課題名	年度平成31年度		設備備品費				その他
研究経費			設備備品費				その他
研 究 経 費 「千円未満の) 「端数は切り	平成31年度		設備備品費				その他
研究経費 (千円未満の)	平成31年度平成32年度		設備備品費				その他
研 究 経 費 「千円未満の) 「端数は切り	平成31年度 平成32年度 平成33年度		設備備品費				その他
研 究 経 費 「千円未満の) 「端数は切り	平成31年度 平成32年度 平成33年度 平成34年度		設備備品費				その他
研 究 経 費 「千円未満の) 「端数は切り	平成31年度 平成32年度 平成33年度 平成34年度 平成35年度 総計	(千円)					その他

	氏名(年齢)	所属研究機関 部局 職	学位 役割分担	平成31年度 研究経費 (千円)	エフォート (%)
研究代表者	00000000 (00)	(00000)		(115)	()
表者		(00)			
研究分担者	00000000 (00)	(00000)			
担者		(00)			
研究分担者	00000000 (00)	(00000)			
担者		(00)			
	合計 00 名	2	研究経費合計		

Scientific Research (C) (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) (Co-I(s)), a concrete description of the role-sharing between the Principal Investigator (PI) and the Co-I(s) should be given.

[SUMMARY]

[MAIN TEXT]

* Notes:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Scientific Research (C) (General) 2 [1. Research Objectives, Research Method, etc. (continued from the previous page)]

Scientific Research (C) (General) 3 [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 and its preparation status, and (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field.

3. Applicant's Ability to Conduct the Research and the Research Environment

In this column, descriptions of (1) applicant's hitherto research activities, and (2) research environments including research facilities and equipment, research materials, etc. relevant to the conduct of the proposed research should be given within 2 pages to show the feasibility of the research plan by the applicant (PI) (and Co-I(s), if any).

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 "(1) applicant's hitherto research activities".

Scientific Research (C) (General) 6 [3. Applicant's Ability to Conduct the Research and the Research Environment (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 (including the laws and regulations and the guidelines in the country/region(s) where the joint international research is to be conducted), 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, interviews and/or behavior surveys (including personal histories and images) 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 within 1 page: (1) the relevant information on the on-going project (for which FY2019 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 FY2019 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 FY2019

The original plan at the time of application/adoption and the research accomplishment of the ongoing project.

The reason for submission of this new proposal.

(金額単位:千円)

年度	設備備品費の明細					消耗品費の明細	1
F及	品名・仕様	設置機関	数量	単価	金額	事項	金額
设備	備品費、消耗品費の必要性						<u>'</u>
設備	備品費、消耗品費の必要性						

(金額単位:千円)

F度	国内旅費の明	細	外国旅費の明細	1	人件費・謝金の	明細	その他の明細	
	事項	金額	事項	金額	事項	金額	事項	金額
_								
		と、その他の)必亜性					

(1)応募中の研究費

研究者氏名					
資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
HOSS WILLS IN 1			(401-02-11-0-104)	(")	
			(千円)		
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			(113)		
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			(千円)		
			(千円)		

(2)受入予定の研究費

資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
			(TIII)		
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			(千円)		
			(千円)		
			(千円)		
(3)その(100	
合	計			(%)	

機関番号	研究種目番号	応募区分番号	小区分	整理番号
00000	00	-	00000	0000

平成31年度 (2019年度) 若手研究 研究計画調書

XX年XX月XX日 1版

新規

研究種目	若手研究						
小区分							
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関							
部局							
職							
学 位							
エフォート	00%		博士号	取得年月日			
応募要件							
研究課題名							
	年度	研究経費			内訳(千円		
		(千円)	設備備品費	消耗品費	旅費	人件費·謝金	その他
研究経費	平成31年度						
「千円未満の」	平成32年度						
端数は切り 捨てる	平成33年度						
	平成34年度						
	総計						
開示希望の有無	審査結果の開	示を希望す	გ				

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]

[MAIN TEXT]

* Notes:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Early-Career Scientists 2

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

Early-Career Scientists 3

[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 and its preparation status, and (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field.

3. Applicant's Ability to Conduct the Research and the Research Environment

In this column, descriptions of (1) applicant's hitherto research activities, and (2) research environments including research facilities and equipment, research materials, etc. relevant to the conduct of the proposed research should be given within 2 pages to show the feasibility of the research plan by the applicant (Principal Investigator).

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 "(1) applicant's hitherto research activities".

Early-Career Scientists 6 [3. Applicant's Ability to Conduct the Research and the Research Environment (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 (including the laws and regulations and the guidelines in the country/region(s) where the joint international research is to be conducted), 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, interviews and/or behavior surveys (including personal histories and images) 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)".

研究経費とその必要性

(金額単位:千円)

設備備品費の明細					消耗品費の明細			
品名・仕様	設置機関	数量	単価	金額	事項	金額		

(金額単位:千円)

	国内旅費の明細		外国旅費の明細		人件費・謝金の	明細	その他の明細		
度	事項	金額	事項	金額	事項	金額	事項	金額	
費	、人件費・謝金、	その他の)必要性						

(1)応募中の研究費

研究者氏名					
資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
16分域例守口)			(知间主件少版)	(%)	(行動臭の別元に依省の場合は、別元約同主件の文八版)
			(千円)		
			(千円)		
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			(千円)		

(2)受入予定の研究費

資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
			(千円)		
			(千円)		
			(千円)		
			(千円)		
(3)その(
合	計			100 (%)	

FY2019 Procedures for Preparing and Entering a Research Proposal Document for "Scientific Research (B/C) (Generative Research Fields)" (New Proposal)

Applicants for the 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 a 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 adopted as a result of the review at the Scientific Research Grant Committee, a notice concerning the provisional grant decision will be issued. By the form of the formal application for grant delivery, the submission based on the notice will be done. The KAKENHI will be disbursed if the research plan, etc. are acknowledged as appropriate.

Items to be noted

- * This Procedures for Preparing and Entering is to be used to prepare Research Proposal Document for <u>"Scientific Research B/C (Generative Research Fields)</u> reviewed by the <u>"Generative Research Fields"</u> 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.
- * Characters and symbols in 11-point font size or larger (10-point or larger in English) should be used, considering a large number of application forms for research project will be reviewed.
- * Make sure that the title of each column is at the top of the page. Also, 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 but in that case, do not delete them.
- * The sentences in italics on the form should be deleted but do not delete other instructions and boxes.
- * 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. Research Proposal Document (items 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, refer to the "FY2019 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").

o 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

o Items to be entered in the Website (Second half)

- · Research Expenditures and Their Necessity
- The Status of Application and Acquisition of Research Grants

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

(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 "Generative Research Fields", the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to both columns, "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). Take note that "Outline of Research Proposal Document" column is unable to be referred at the document review and the panel review.

(2) "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. This column is used in the preliminary screening, the document review, and the panel review.

(3) "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.

(4) "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.

(5) "Applicant's Ability to Conduct the Research and the Research Environment" column

Enter in accordance with the instruction specified in the Research Proposal Document.

The description for the "(1) applicant's hitherto research activities" should be focused on the research activities relevant to the submitted research plan to show the feasibility of the research plan. In case the Co-Investigator involves, it should be focused on the research activities relevant to the prospected roles in the research plan by the Co-Investigator.

When filling in, the description, together with an explanation on the feasibility of the research plan, should be given appropriately on the principal documents, etc. rather than mentioning comprehensively the research achievements such as papers, books, patents, invited talks and so on. (The papers under submission can be included only if they are already accepted for publication.)

When the research achievements are filled in, sufficient information to identify the published achievements should be given. For example, as for a research paper, there should be the title of the paper, the name of the author(s), the journal name, the number of the volume and pages, etc., the publication year, the book reviews in case of books, and so on.

In case that the applicants have periods during which the researches were suspended due to acquisition of maternity leave, childcare leave, care leave and so on, they may choose to write about it in this column.

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

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)".

* When entering in the column of "Research Expenditure and Their Necessity" and "The Status of Application and Acquisition of Research Grants", refer to "FY2019 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")".

機関番号	研究種目番号	応募区分番号	分野番号	整理番号
00000	00	0	0000	0000

平成31年度 (2019年度) 基盤研究(B) (特設分野研究) 研究計画調書

XX年XX月XX日 1版

新規

研究種目	基盤研究(B)		応募区分	特設分野研	究		
分野名							
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関							
部局							
職							
研究課題名							
研究の要約							
	年度	研究経費			用内訳(千円		7 0 /U
	平成31年度	(千円)	設備備品費	消耗品費	旅費	人件費·謝金	その他
研究経費	平成32年度						
「千円未満の) 端数は切り	平成33年度						
捨てる	平成34年度						
	平成35年度						
	総計						
開示希望の有無	審査結果の開	朝示を希望で 	する				

	氏名(年齢)	所属研究機関 部局 職	学位 役割分担	平成31年度 研究経費 (千円)	エフォ ート (%)
研究代表者	00000000 (00)	(00000)		(113)	(11)
者		(00)			
	00000000 (00)	(00000)			
研究分担者		(000)			
者		(00)			
	00000000 (00)	(00000)			
研究分担者		(000)			
担者		(00)			
	合計 00 名		研究経費合計		

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. Applicant's Ability to Conduct the Research and the Research Environment" written in the research proposal document.

* In "Generative Research Fields", the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to both columns, "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). Take note that this column is unable to be referred at the document review and the panel review.

* Note 1:

1. In "Generative Research Fields", the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to both columns, "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). Take note that "Outline of Research Proposal Document" column is unable to be referred at the document review and the panel review.

* Note 2:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Scientific Research (B) (Generative Research Fields) (Outline) 2 [Outline of Research Proposal Document (continued from the previous page)]

Scientific Research (B) (Generative Research Fields) (Outline) 3 / Scientific Research (B) (Generative Research Fields) 1

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.

* Notes:

- 1. The column of the "Reason for Applying for Generative Research Fields" is used in the preliminary screening, the document review, and the panel review.
- 2. When preparing the document, these notes written in italics should be deleted.

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 4 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) (Co-I(s)), a concrete description of the role-sharing between the Principal Investigator (PI) and the Co-I(s) should be given.

* *Note 1:*

- 1. In "Generative Research Fields", the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to both columns, "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).
- 2. The column of "Outline of Research Proposal Document" is unable to be referred in the document review and the panel review. For example, the necessary figures should be drawn on each column separately since the figures on the "Outline of Research Proposal Document" column are unable to be cited on this column.
- 3. As for the "Generative Research Fields", the parallel submission with other research proposals is to be accepted. However, the research proposals applying for the "Generative Research Fields" are limited to those which have no overlap in research contents with the continued research projects and the research projects submitted in parallel.

* Note 2:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

[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)]

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 and its preparation status, and (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field.

3. Applicant's Ability to Conduct the Research and the Research Environment

In this column, descriptions of (1) applicant's hitherto research activities, and (2) research environments including research facilities and equipment, research materials, etc. relevant to the conduct of the proposed research should be given within 2 pages to show the feasibility of the research plan by the applicant (PI) (and Co-I(s), if any).

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 "(1) applicant's hitherto research activities".

Scientific Research (B) (Generative Research Fields) 8 [3. Applicant's Ability to Conduct the Research and the Research Environment (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 (including the laws and regulations and the guidelines in the country/region(s) where the joint international research is to be conducted), 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, interviews and/or behavior surveys (including personal histories and images) 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)".

研究経費とその必要性

(金額単位:千円)

┶┷╵	設備備品費の明細	消耗品費の明細					
F度	品名・仕様	設置機関	数量	単価	金額	事項	金額

(金額単位:千円)

左声	国内旅費の明細		外国旅費の明細		人件費・謝金の	明細	その他の明細		
度	事項	金額	事項	金額	事項	金額	事項	金額	
		7 0 /lk a							

(1)応募中の研究費

研究者氏名					
資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
			(千円)		
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			(千円)		
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(2)受入予定の研究費

資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
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機関番号	研究種目番号	応募区分番号	分野番号	整理番号
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平成31年度 (2019年度) 基盤研究(C) (特設分野研究) 研究計画調書

XX 年XX月XX日 1版

新規

研究種目	基盤研究(C)		応募区分	特設分野研	究		
分野名							
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関							
部局							
職							
研究課題名							
研究の要約							
	年度	研究経費			用内訳(千円		7 0 /U
	平成31年度	(千円)	設備備品費	消耗品費	旅費	人件費·謝金	その他
研究経費	平成32年度						
「千円未満の) 端数は切り	平成33年度						
捨てる	平成34年度						
	平成35年度						
	総計						
開示希望の有無	審査結果の開	引示を希望す	する				

	氏名(年齢)	所属研究機関 部局 職	学位 役割分担	平成31年度 研究経費 (千円)	エフォ ート (%)
研究代表者	00000000 (00)	(00000)		(113)	(11)
者		(00)			
	00000000 (00)	(00000)			
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研究分担者		(000)			
担者		(00)			
	合計 00 名		研究経費合計		

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. Applicant's Ability to Conduct the Research and the Research Environment" written in the research proposal document.

* In "Generative Research Fields", the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to both columns, "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). Take note that this column is unable to be referred at the document review and the panel review.

* Note 1:

1. In "Generative Research Fields", the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to both columns, "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). Take note that "Outline of Research Proposal Document" column is unable to be referred at the document review and the panel review.

* Note 2:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Scientific Research (C) (Generative Research Fields) (Outline) 2

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

Scientific Research (C) (Generative Research Fields) (Outline) 3 / Scientific Research (C) (Generative Research Fields) 1

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.

* Notes:

- 1. The column of the "Reason for Applying for Generative Research Fields" is used in the preliminary screening, the document review, and the panel review.
- 2. When preparing the document, these notes written in italics should be deleted.

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) (Co-I(s)), a concrete description of the role-sharing between the Principal Investigator (PI) and the Co-I(s) should be given.

* *Note 1:*

- 1. In "Generative Research Fields", the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to both columns, "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).
- 2. The column of "Outline of Research Proposal Document" is unable to be referred in the document review and the panel review. For example, the necessary figures should be drawn on each column separately since the figures on the "Outline of Research Proposal Document" column are unable to be cited on this column.
- 3. As for the "Generative Research Fields", the parallel submission with other research proposals is to be accepted. However, the research proposals applying for the "Generative Research Fields" are limited to those which have no overlap in research contents with the continued research projects and the research projects submitted in parallel.

* *Note 2:*

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Scientific Research (C) (Generative Research Fields) 3 [1. Research Objectives, Research Method, etc. (continued from the previous page)]

Scientific Research (C) (Generative Research Fields) 4 [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 and its preparation status, and (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field.

3. Applicant's Ability to Conduct the Research and the Research Environment

In this column, descriptions of (1) applicant's hitherto research activities, and (2) research environments including research facilities and equipment, research materials, etc. relevant to the conduct of the proposed research should be given within 2 pages to show the feasibility of the research plan by the applicant (PI) (and Co-I(s), if any).

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 "(1) applicant's hitherto research activities".

Scientific Research (C) (Generative Research Fields) 7 [3. Applicant's Ability to Conduct the Research and the Research Environment (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 (including the laws and regulations and the guidelines in the country/region(s) where the joint international research is to be conducted), 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, interviews and/or behavior surveys (including personal histories and images) 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)".

(金額単位:千円)

┶┷╵	設備備品費の明細	消耗品費の明細					
F度	品名・仕様	設置機関	数量	単価	金額	事項	金額

(金額単位:千円)

左声	国内旅費の明細		外国旅費の明細		人件費・謝金の	明細	その他の明細		
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		7 0 /lk a							

(1)応募中の研究費

研究者氏名					
資金制度・研究 費名 (研究期間	研究課題名	役割	平成31年度 の研究経費	エフォ - ト	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由
・配分機関等名)	(研究代表者氏名)	以割	(期間全体の額)		(科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
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(2)受入予定の研究費

資金制度・研究 費名 (研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
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(3)その					
合	計			100 (%)	

FY2019 Procedures for Preparing and Entering a Research Proposal Document for "Challenging Research (Pioneering)" (New Proposal)

Applicants for the 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 a 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 adopted as a result of the review at the Scientific Research Grant Committee, a notice concerning the provisional grant decision will be issued. By the form of the formal application for grant delivery, the submission based on the notice will be done. The KAKENHI will be disbursed if the research plan, etc. are acknowledged as 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.
- * Characters and symbols in 11-point font size or larger (10-point or larger in English) should be used, considering a large number of application forms for research project will be reviewed.
- * Make sure that the title of each column is at the top of the page. Also, 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 but in that case, do not delete them.
- * The sentences in italics on the form should be deleted but do not delete other instructions and boxes.
- * 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. Research Proposal Document (items 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, refer to the "FY2019 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").

o 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 (*Select a division name in case of Generative Research Fields Review Division.)
- Term Indicating Content of the Research Project (*only for the case selecting Generative Research Fields Review Division)
- · 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

o Items to be entered in the Website (Second half)

- Research Expenditures and Their Necessity
- The Status of Application and Acquisition of Research Grants

II. Research Proposal Document (forms to be uploaded)

As for this research category, two kinds of form need to be prepared, which are the [Form S-41-1] constitute of the "Research Proposal Document (Outline)" and the [Form S-41-2] constitute of the "Research Proposal Document (Main body)"

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

1. [Form S-41-1]

· "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 the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to this form. (Preliminary screening will not be conducted if the number of application is small). It is necessary to prepare this form and the [Form S-41-2] separately since this form is unable to be referred in the document review and the panel review. For example, the necessary figures should be drawn on each form separately since the figures on this form are unable to be cited on the [Form S-41-2].

2. [Form S-41-2]

This form constitutes a middle part of the Research Proposal Document (Main body) in the PDF file.

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

In this column, the description should be given in accordance with the instruction specified in the

Research Proposal Document.

The "Applicant's Ability to Conduct the 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, 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.

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

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)".

* When entering in the column of "Research Expenditure and Their Necessity" and "The Status of Application and Acquisition of Research Grants", refer to "FY2019 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")".

機関番号	研究種目番号	応募区分番号	中区分	整理番号
00000	00	-	00	0000

平成31年度 (2019年度) 挑戦的研究 (開拓) 研究計画調書

XX 年XX月XX日 1版

新規

研究種目	挑戦的研究(開拓)					
中区分							
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関							
部局							
職							
研究課題名							
研究の要約							
	年度	研究経費			1内訳(千		7 • W.
	平成31年度	(千円)	設備備品費	消耗品費	旅費	人件費·謝金	その他
	平成32年度						
研究経費 「千円未満の」	平成33年度						
端数は切り 捨てる	平成34年度						
	平成35年度						
	平成36年度						
	総計						
開示希望の有無	審査結果の開	開示を希望で	する				

	氏名(年齢)	所属研究機関 部局 職	学位 役割分担	平成31年度 研究経費 (千円)	エフォ ート (%)
研究代表者	00000000 (00)	(00000)		(113)	(11)
者		(00)			
	00000000 (00)	(00000)			
研究分担者		(000)			
者		(00)			
	00000000 (00)	(00000)			
研究分担者		(000)			
担者		(00)			
	合計 00 名		研究経費合計		

Challenging Research (Pioneering) (Outline) 1

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 the Research" written in the research proposal document.

- * In this research category, the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding 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). Take note that this form is unable to be referred at the document review and the panel review.
- * If you apply for Generative Research Fields Review Division, describe "The reason why this research concept is consistent with the Generative Research Fields Review Division".

* *Note 1:*

- 1. This research category calls for 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 and confirm that your research project matches the Division, rather than other Medium-sized Sections).
- 2. Proposals submitted to the research category Challenging Research (Pioneering) will be reviewed in the pertaining Medium-sized Section of the Review Section Table or Generative Research Fields Review Division. The proposal document should be prepared with consideration that it will be reviewed from diverse viewpoints by a review committee consisting of reviewers with different backgrounds.
- 3. In the research category Challenging Research (Pioneering), the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to the form ("Outline of Research Proposal Document" column) (Preliminary screening will not be conducted if the number of application is small). Take note that this form is unable to be referred at the document review and the panel review.

* *Note 2*:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Challenging Research (Pioneering) (Outline) 2 [Outline of Research Proposal Document (continued from the previous page)]

機関番号	研究種目番号	応募区分番号	中区分	整理番号
00000	00	-	00	0000

平成31年度 (2019年度) 挑戦的研究 (開拓) 研究計画調書

XX 年XX月XX日 1版

新規

研究種目	挑戦的研究(開拓)					
中区分							
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関							
部局							
職							
研究課題名							
研究の要約							
	年度	研究経費	÷1 /# /# [] #		用内訳(千		7.0/4
	平成31年度	(千円)	設備備品費	消耗品費	旅費	人件費·謝金	その他
	平成32年度						
研究経費	平成33年度						
端数は切り 捨てる	平成34年度						
	平成35年度						
	平成36年度						
	平成36年度 総計						

	氏名(年齢)	所属研究機関 部局 職	学位 役割分担	平成31年度 研究経費 (千円)	エフォート (%)
研究代表者	00000000 (00)	(00000)		(115)	()
表者		(00)			
研究分担者	00000000 (00)	(00000)			
担者		(00)			
研究分担者	00000000 (00)	(00000)			
担者		(00)			
	合計 00 名	2	研究経費合計		

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.

* Note 1:

- 1. This research category calls for 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 and confirm that your research project matches the Division, rather than other Medium-sized Sections).
- 2. Proposals submitted to the research category Challenging Research (Pioneering) will be reviewed in the pertaining Medium-sized Section of the Review Section Table or Generative Research Fields Review Division. The proposal document should be prepared with consideration that it will be reviewed from diverse viewpoints by a review committee consisting of reviewers with different backgrounds.
- 3. In the research category Challenging Research (Pioneering), the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to the form S-41-1 ("Outline of Research Proposal Document" column) (Preliminary screening will not be conducted if the number of application is small).
- 4. It is necessary to prepare the form S-41-1 ("Outline of Research Proposal Document" column) and this form separately since the form S-41-1 ("Outline of Research Proposal Document" column) is unable to be referred in the document review and the panel review. For example, the necessary figures should be drawn on each form separately since the figures on the form S-41-1 ("Outline of Research Proposal Document" column) are unable to be cited on this form.

* Note 2:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.

Challenging Research (Pioneering) 2

- [1. Research Objectives and Research Method (continued from the previous page)]
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Challenging Research (Pioneering) 3 [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 calls for 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".

Challenging Research (Pioneering) 5

3. Applicant's Ability to Conduct the 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 (including the laws and regulations and the guidelines in the country/region(s) where the joint international research is to be conducted), 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, interviews and/or behavior surveys (including personal histories and images) 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)".

(金額単位:千円)

┶┷╵	設備備品費の明細	消耗品費の明細					
F度	品名・仕様	設置機関	数量	単価	金額	事項	金額

(金額単位:千円)

	国内旅費の明細		外国旅費の明細		人件費・謝金の	D明細	その他の明細		
F度	事項	金額	事項	金額	事項	金額	事項	金額	
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(1)応募中の研究費

研究者氏名					
資金制度・研究 費名 (研究期間	研究課題名	役割	平成31年度 の研究経費	エフォ - ト	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由
・配分機関等名)	(研究代表者氏名)	以割	(期間全体の額)		(科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
			(千円)		
			(千円)		
			/		
			(千円)		
			,		
			(千円)		

(2)受入予定の研究費

資金制度・研究 費名 (研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
			(千円)		
			(千円)		
			(千円)		
			(千円)		
			(千円)		
(3)その					
合	計			100 (%)	

FY2019 Procedures for Preparing and Entering a Research Proposal Document for "Challenging Research (Exploratory)" (New Proposal)

Applicants for the 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 a 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 adopted as a result of the review at the Scientific Research Grant Committee, a notice concerning the provisional grant decision will be issued. By the form of the formal application for grant delivery, the submission based on the notice will be done. The KAKENHI will be disbursed if the research plan, etc. are acknowledged as 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.
- * Characters and symbols in 11-point font size or larger (10-point or larger in English) should be used, considering a large number of application forms for research project will be reviewed.
- * Make sure that the title of each column is at the top of the page. Also, 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 but in that case, do not delete them.
- * The sentences in italics on the form should be deleted but do not delete other instructions and boxes.
- * 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. Research Proposal Document (items 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, refer to the "FY2019 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").

o 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 (*Select a division name in case of Generative Research Fields Review Division.)
- Term Indicating Content of the Research Project (*only for the case selecting Generative Research Fields Review Division)
- · 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

o Items to be entered in the Website (Second half)

- Research Expenditures and Their Necessity
- The Status of Application and Acquisition of Research Grants

II. Research Proposal Document (forms to be uploaded)

As for this research category, two kinds of form need to be prepared, which are the [Form S-42-1] constitute of the "Research Proposal Document (Outline)" and the [Form S-42-2] constitute of the "Research Proposal Document (Main body)"

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

1. [Form S-42-1]

"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 the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to this form. (Preliminary screening will not be conducted if the number of application is small). It is necessary to prepare this form and the [Form S-42-2] separately since this form is unable to be referred in the document review and the panel review. For example, the necessary figures should be drawn on each form separately since the figures on this form are unable to be cited on the [Form S-42-2].

2. [Form S-42-2]

This form constitutes a middle part of the Research Proposal Document (Main body) in the PDF file.

(1) "Research Objectives and Research Method, Applicant's Ability to Conduct the 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.

The "Applicant's Ability to Conduct the 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, 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.

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

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)".

* When entering in the column of "Research Expenditure and Their Necessity" and "The Status of Application and Acquisition of Research Grants", refer to "FY2019 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")".

機関番号	研究種目番号	応募区分番号	中区分	整理番号
00000	00	-	00	0000

平成31年度 (2019年度) 挑戦的研究(萌芽) 研究計画調書

XX 年XX月XX日 1版

新規

研究種目	挑戦的研究(〔萌芽)					
中区分							
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関		1					
部局							
職							
研究課題名							
研究の要約							
	年度	研究経費			月内訳(千F		
	十反	(千円)	設備備品費	消耗品費	旅費	人件費·謝金	その他
研究経費	平成31年度						
千円未満の 端数は切り	平成32年度						
捨てる	平成33年度						
	総計						
開示希望の有無	審査結果の開	開示を希望 ⁻	する				

	氏名(年齢)	所属研究機関 部局 職	学位 役割分担	平成31年度 研究経費 (千円)	エフォ ート (%)
研究代表者	00000000 (00)	(00000)		(113)	(11)
者		(00)			
	00000000 (00)	(00000)			
研究分担者		(000)			
者		(00)			
	00000000 (00)	(00000)			
研究分担者		(000)			
担者		(00)			
	合計 00 名		研究経費合計		

Challenging Research (Exploratory) (Outline) 1

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 the 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 the "Research Proposal Document (Outline)" which is made up by adding 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). Take note that this form is unable to be referred at the document review and the panel review.
- * If you apply for Generative Research Fields Review Division, describe "The reason why this research concept is consistent with the Generative Research Fields Review Division".

* Note 1:

- 1. This research category calls for 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 and confirm that your research project matches the Division, rather than other Medium-sized Sections).
- 2. Proposals submitted to the research category Challenging Research (Exploratory) will be reviewed in the pertaining Medium-sized Section of the Review Section Table or Generative Research Fields Review Division. The proposal document should be prepared with consideration that it will be reviewed from diverse viewpoints by a review committee consisting of reviewers with different backgrounds.
- 3. In the research category Challenging Research (Exploratory), the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to the form ("Outline of Research Proposal Document" column) (Preliminary screening will not be conducted if the number of application is small). Take note that this form is unable to be referred at the document review and the panel review.

* *Note 2*:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

Challenging Research (Exploratory) (Outline) 2
[Outline of Research Proposal Document (continued from the previous page)]

機関番号	研究種目番号	応募区分番号	中区分	整理番号
00000	00	-	00	0000

平成31年度 (2019年度) 挑戦的研究(萌芽) 研究計画調書

XX 年XX月XX日 1版

新規

研究種目	挑戦的研究(〔萌芽)					
中区分							
研究代表者	(フリガナ)						
氏名	(漢字等)						
所属研究機関		1					
部局							
職							
研究課題名							
研究の要約							
	年度	研究経費			月内訳 (千円		
	十反	(千円)	設備備品費	消耗品費	旅費	人件費·謝金	その他
研究経費	平成31年度						
千円未満の 端数は切り	平成32年度						
捨てる	平成33年度						
	総計						
開示希望の有無	審査結果の開	開示を希望 ⁻	する				

	氏名(年齢)	所属研究機関 部局 職	学位 役割分担	平成31年度 研究経費 (千円)	エフォート (%)
研究代表者	00000000 (00)	(00000)		(113)	
表者		(00)			
研究分担者	00000000 (00)	(00000)			
担者		(00)			
研究分担者	00000000 (00)	(00000)			
担者		(00)			
	合計 00 名	2	研究経費合計		

1. Research Objectives and Research Method, Applicant's Ability to Conduct the 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 the Research (i.e. the concrete contents of applicant's hitherto research activities. If necessary, applicant may include those not directly related to proposed research.)

* Note 1:

- 1. This research category calls for 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 and confirm that your research project matches the Division, rather than other Medium-sized Sections).
- 2. Proposals submitted to the research category Challenging Research (Exploratory) will be reviewed in the pertaining Medium-sized Section of the Review Section Table or Generative Research Fields Review Division. The proposal document should be prepared with consideration that it will be reviewed from diverse viewpoints by a review committee consisting of reviewers with different backgrounds.
- 3. In the research category Challenging Research (Exploratory), the preliminary screening will be conducted only by the "Research Proposal Document (Outline)" which is made up by adding the first half of the Research Proposal Document (items to be entered in the Website) to the form S-42-1 ("Outline of Research Proposal Document" column) (Preliminary screening will not be conducted if the number of application is small).
- 4. It is necessary to prepare the form S-42-1 ("Outline of Research Proposal Document" column) and this form separately since the form S-42-1 ("Outline of Research Proposal Document" column) is unable to be referred in the document review and the panel review. For example, the necessary figures should be drawn on each form separately since the figures on the form S-42-1 ("Outline of Research Proposal Document" column) are unable to be cited on this form.

* Note 2:

- 1. Read carefully the "Procedures for Preparing and Entering a Research Proposal Document" when preparing the document.
- 2. The document should be written with font size 10-point or larger.

Challenging Research (Exploratory) 2

- [1. Research Objectives and Research Method, Applicant's Ability to Conduct the Research (continued from the previous page)]
- 3. The title and instructions on the upper part of each page should be left intact.
- 4. Do not exceed the maximum number of pages specified in the instructions. In case blank page(s) occur, leave them as they are (do not eliminate any page).
- 5. When preparing the document, these notes written in italics should be deleted.

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

This research category calls for 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 (including the laws and regulations and the guidelines in the country/region(s) where the joint international research is to be conducted), 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, interviews and/or behavior surveys (including personal histories and images) 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)".

(金額単位:千円)

	設備備品費の明細					消耗品費の明細					
度	品名・仕様	設置機関	数量	単価	金額	事項	金額				
設備	備品費、消耗品費の必要性										

(金額単位:千円)

年产	国内旅費の明細		外国旅費の明細		人件費・謝金の	明細	その他の明細	
度	事項	金額	事項	金額	事項	金額	事項	金額

(1)応募中の研究費

研究者氏名					
資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
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			(113)		
			(千円)		
			(千円)		
			(TIII)		
			(千円)		
			(千円)		

(2)受入予定の研究費

資金制度・研究 費名(研究期間 ・配分機関等名)	研究課題名 (研究代表者氏名)	役割	平成31年度 の研究経費 (期間全体の額)	エフォ - ト (%)	研究内容の相違点及び他の研究費に加えて 本応募研究課題に応募する理由 (科研費の研究代表者の場合は、研究期間全体の受入額)
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合	計			100 (%)	

FY2019 Procedures for Preparing and Entering a 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", 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, 2019, Ph.D. acquired less than 8 years", "(2) It is planned to acquire Ph.D. by April 1, 2019, although it is not acquired Ph.D., and as of April 1, 2019, it is over 40 years old", "(3) As of April 1, 2019 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, 2019, it is 39 years old or younger".

If you select "(2) It is planned to acquire Ph.D. by April 1, 2019, although it is not acquired Ph.D., and as of April 1, 2019, 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, 2019 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 FY2019 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 FY2019.

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

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, 2019, although it is not acquired Ph.D., and as of April 1, 2019, 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, 2019 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 C = 2 + (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 (A), 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 to 1000 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", and the "Research Collaborator" in the research. For the definitions of "Principal Investigator", "Co-Investigator", "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) Project Members Input (Principal Investigator)

- In the column "Distinction", it will be automatically displayed as "Principal Investigator".
- In the column "Researcher Number", "Name (Pronunciation in katakana and Kanji etc)", "Age (as of April 1, 2019)", and "Research Institution, Academic Unit (School, Faculty, etc.), Position" of the Principal Investigator, the information on the Principal Investigator which has been registered in e-Rad will be automatically displayed. Principal Investigator should verify whether the information has been displayed correctly.
- In the column "Academic Degree", Principal Investigator should fill in his/her academic degree.
- In the column "Role in This Project", the Principal Investigator should fill in, how the Principal Investigator and the Co-Investigator(s) 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 FY2019. Principal Investigator should also enter those information of Co-Investigator.
- In the column "Research Expenditure for FY2019", the share of the grant to the Principal Investigator and the Co-Investigator(s) should be entered in units of thousand yen, based on the research plan. Principal Investigator should also enter those information of Co-Investigator.
 - The total amount of all the shares of the grant to each researcher should correspond to "Research Expenditure for FY2019 (Thousand Yen)" displayed in the screen. If it does not correspond, "error" is displayed on the confirmation screen after entering.
- In the column "Effort", the Principal Investigator should enter the time allocation rate (an integral number between 1 and 100), assuming that the research project for which the current application is being made would be adopted.

When determining the time allocation rate, the Principal Investigator 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 adopted, the Principal Investigator 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.

(2) Project Members Input (Co-Investigator)

• Concerning the entry column for the Project Members List (Co-Investigator), 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 Principal Investigator 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.

- In the column "Distinction", it will be automatically displayed as "Co-I(s)".
- In the column "Researcher Number", "Name (Pronunciation in katakana and Kanji etc)", "Age (as of April 1, 2019)", and "Research Institution, Academic Unit (School, Faculty, etc.), Position" of the Co-Investigator, enter the researcher number of the Co-Investigator and click on the [Search] button, his/her information will be displayed, and click [OK] button.
 - Since the Co-Investigator may belong to more than one research institution, please ask the Co-Investigator at first to confirm which affiliation he/she wishes to list for the application.
- In the columns "Academic Degree" and "Effort", the contents which the Co-Investigator entered in the consent process of Co-Investigator will be displayed.
- In the columns "Role in This Project" and "Research Expenditure for FY2019", the Principal Investigator should enter the contents. (Pease refer to the column "(1) Project Members Input (Principal Investigator)" for the entry method).

[About the Consent Process of Co-Investigator]

- The consent both from Co-Investigator him/herself and his/her research institution should be given on the electronic application system to list him/her on the project members as a Co-Investigator.
- To make a request for Co-Investigators, check the checkbox at "Request" in the "Status of Consent" row and save it temporarily. The researcher registered in the field is provisionally requested to participate in the research project as a Co-Investigator. Check the checkbox again to confirm that you want to request him/her to participate in the research project. (In addition, please contact him/her that you had made the Co-Investigator request on the system.)
- When the consent both from Co-Investigator him/herself and his/her research institution have been given, the "Status of Consent" will be changed to "Obtained the consent from the Co-Investigator" and "Obtained the consent from the institution".
- You cannot request the researcher to become a Co-Investigator whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution". Press [Delete] button on the left hand side of that column and delete the frame into which the data is being entered.

- When you request the researchers to become a Co-Investigator, your official request should be based on the high probability in obtaining the consent from the Co-Investigator-to-be after surely confirming the following items with the researchers.
 - ① For this research project, the Co-Investigator has to bear responsibility for the implementation of the research project in cooperation with the Principal Investigator.
 - ② As well as the Co-Investigator understand and comply with both the KAKENHI supplementary conditions (funding conditions) and the terms stipulated in the (a), (b) and (c) below, and to receive a share of KAKENHI from the Principal Investigator and use it properly.
 - (a) The Co-Investigator has to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you therefore have to use KAKENHI in a proper and efficient way and refrain from committing research misconduct during my research.
 - (b) The Co-Investigator has to fulfil the requirement for the research ethics education coursework either by reading a textbook such as "For the Sound Development of Science The Attitude of a Conscientious Scientist —" ("For the Sound Development of Science" Editorial Committee on JSPS), by taking an e-Learning course such as the "e-Learning Course on Research Ethics [eL CoRE] or "APRIN Japan e-learning program (CITI Japan)", or by participating in the research ethics education course conducted at his/her institution based on the "Guidelines for Responding to Misconduct in Research" (Adopted August 26, 2014 by the MEXT), prior to the formal application for grant delivery (or, in case the grant has already been delivered, by the time the "application for approval of change for the Co-Investigator" is submitted by the Principal Investigator to JSPS).
 - (c) The Co-Investigator has to understand thoroughly and confirm on what the researchers should consider, in conducting of their researches, from amongst the contents of both the statement "Code of Conduct for Scientists -Revised Version-" by the Science Council of Japan and the booklet "For the Sound Development of Science -The Attitude of a Conscientious Scientist-" by the JSPS, by the time of the formal application for grant delivery of the concerned research project. (Or, by the time when the "application for approval of change of the Co-Investigator" is to be submitted to the JSPS by the Principal Investigator, in case the official grant decision thereof has been already made.)
- * Refer to the KAKENHI (Grants-in-Aid for Scientific Research) Electronic Application System Operation Manual (URL: http://www-shinsei.jsps.go.jp/kaken/topkakenhi/shinsei ka.html) for the detailed information on the consent processes of the Co-Investigator such as operating environment, operating method, and so on.
 - (3) Joint researchers other than Co-Investigators become "Research Collaborators". 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.".

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 expense)" and "Ineligible 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 expense)"

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 expense)
- 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 expense*
 - * Indirect expense 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 expense). The expenditure is used by the research institution.

This time, it is scheduled to set up indirect expense for the research categories for which a call for proposals is organized. However, the Principal Investigator does not need to state that indirect expense 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 pressing the "Add" button necessary times 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 rounding off fractions smaller than one thousand yen. After completing the input of all the details of each expense, please click the recalculate button. And the output in PDF will be the upper limit to 2 pages.

Please note the following points when entering details of each expense. However, the way to journalize each expense should be handled in accordance with such as the accounting rules of the research institutions to which you belong including but not limited to the following examples.

Equipment Costs

When purchasing a large number of books and/or materials, please input, to some extent, the contents of the books and/or materials to clarify what they are, such as "the books related to the Western medieval political history" (As for the books, the same way to journalize should be applied even if they were not handled as equipment.). Also, in

the case of the machinery and equipment, not only enter simply with a set of something but also with its breakdown.

Consumables Expenses

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

o Necessity of the Equipment Costs and the Consumables Expenses

Please enter the necessity and the basis of the estimation for the equipment costs and consumables expenses you have inputted. In any fiscal year of this research period, if the "equipment costs" exceeds 90% of the total research expenditure in any FY of the period 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. In addition, in such cases as equipment were purchased by the combined use from the grants, enter into the column of unit price the amount using for this concerned research project together with mentioning to the effect that this is the combined use.

Domestic and Overseas Travel Expenses

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

o 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.

o 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 in any FY of the research period 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. Principal Investigator should input and confirm following information up to the time of current application such as (1) research grant application(s) in the review process, (2) research grant(s) adopted and to be delivered, and (3) other activities.

- This research project should be entered at the head of "(1) research grant application(s) in the review process".
- Not only KAKENHI but also other competitive research grants should be entered in "(1) research grant application(s) in the review process" and "(2) research grant(s) adopted and to be delivered".
- There is no need to enter the fundamental research grants that are allocated so that research activities, etc. can carry out as duties within the research institution to which the researcher belongs 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 and so on 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 Research Collaborator 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 FY2019, 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).
- As for the research proposal submission in the fiscal year previous to the final fiscal year of the research period of an on-going research project related to the continued research project, do not enter expected amounts in the "(2) research grant(s) adopted and to be delivered".

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.

o "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.

o "Research Period"

Please enter the research period.

o "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.

o "Research Expenditure for FY2019 (Research Expenditure for the whole period) (Unit: thousand yen)"

Enter the amount of direct expense of research expenditure to be received and used by himself/herself in FY2019 (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 FY2019 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.

o "Effort Percentage in FY2019 (%)"

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 research grants, 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"

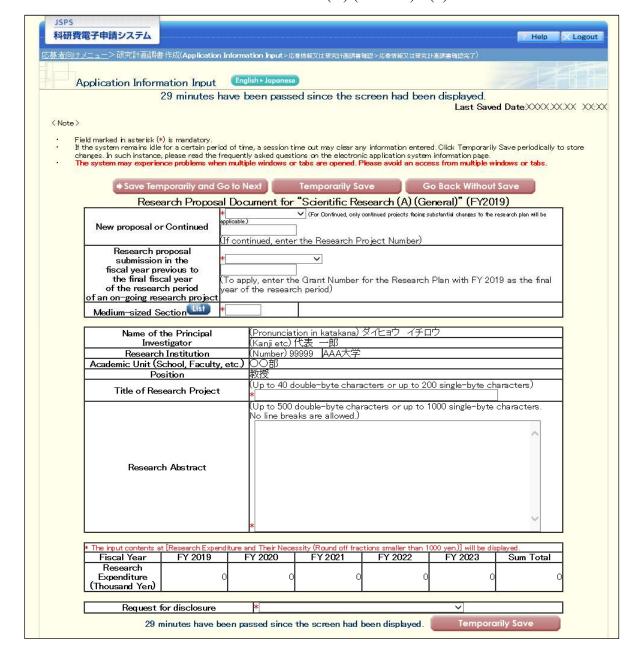
Please explicitly enter the items focusing on the research grant application(s) in the review process or research grant(s) adopted and to be delivered, distinction of the research contents, and reason for submission of this KAKENHI application in addition to the other projects of the research project.

pplicant is a Principal Investigator of KAKENHI, please enter the total amount of direct expense for earch period including the shared amount to the Co-Investigators in this column.	the whole

Scientific Research (A) (General) - (1)



Scientific Research (A) (General) - (2)



Scientific Research (A) (General) - (3)

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

- Click [Add] button if you add Co-Investigator(s) (Co-I(s)).

 Note: Click [Add] on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no brape required).

 Enter the researcher number of the Co-Investigator and click on the [Search] button, his/her information will be displayed, and click [OK] button. Since the Co-Investigator may belong to more than one research institution, please ask the Co-Investigator at first to confirm which affiliation he/she wishes to list for the application.

 The consent both from Co-Investigator him/herself and his/her research institution should be given on the electronic application system to list him/her on the project members as a Co-Investigator.

 To make a request for Co-Investigators, check the checkbox at "Request" in the "Status of Consent" row and save it temporarily. The researcher registered in the field is provisionally requested to participate in the research project as a Co-Investigator. Check the checkbox again to confirm that you want to request him/her to participate in the research project. (In addition, please contact him/her that you had made the Co-Investigator request on the system.)
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 Once the consent by each Co- investigator is obtained, the term "Return Back" will be displayed in the Status of Consent column of the Co- Investigator. In case pressing the Temporanily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co-Investigator, the status goes back to the status of "The consent from Co-Investigator has not yet been confirmed" and the Co-Investigator is able to correct the input information
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 Regardless the entry of the consent from the Co-Investigator (including the research institutions to which the Co-Investigator belongs), pressing the [Delete] button enables to delete the frame for the data input. Please take note that you have to follow the same procedure from the beginning, in case you request the identical researcher to become a Co-Investigator again after the [Delete] of the frame above completed.

 You cannot register the researcher, whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution", as a Co-Investigator to the project members. Press [Delete] button on the left hand side of that column and delete the frame into which the data is being entered.

[When you request the researchers to become a Co-Investigator]

When you request the researchers to become a Co-Investigator, your official request should be based on the high probability in obtaining the consent from the Co-Investigator-to-be after surely confirming the following items with the researchers.

DFor this research project, the Co-Investigator has to bear responsibility for the implementation of the research project in cooperation with the Principal

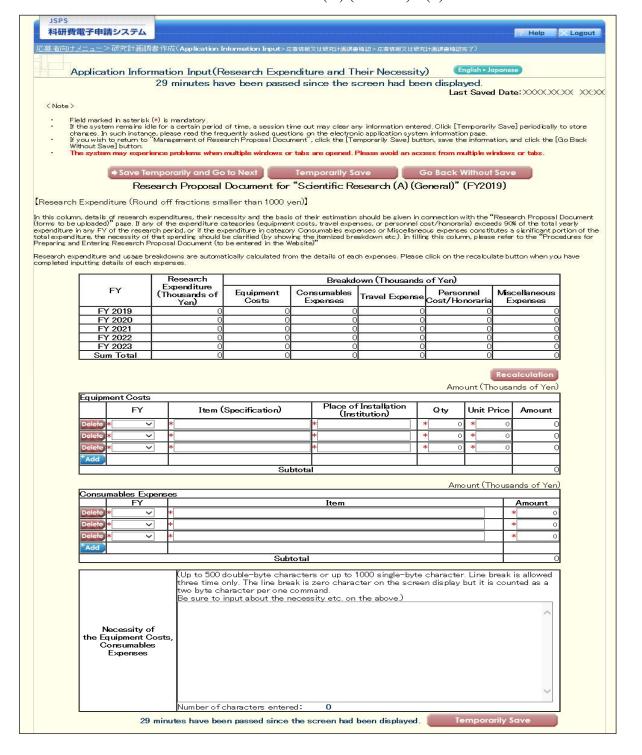
Investigator.
②As well as the Co-Investigator understand and comply with both the KAKENHI supplementary conditions (funding conditions) and the terms stipulated in the
(a) , (b) and (c) below, and to receive a share of KAKENHI from the Principal Investigator and use it properly.

- (a)The Co-Investigator has to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you therefore have to use KAKENHI in a proper and efficient way and refrain from committing research misconduct during my research.

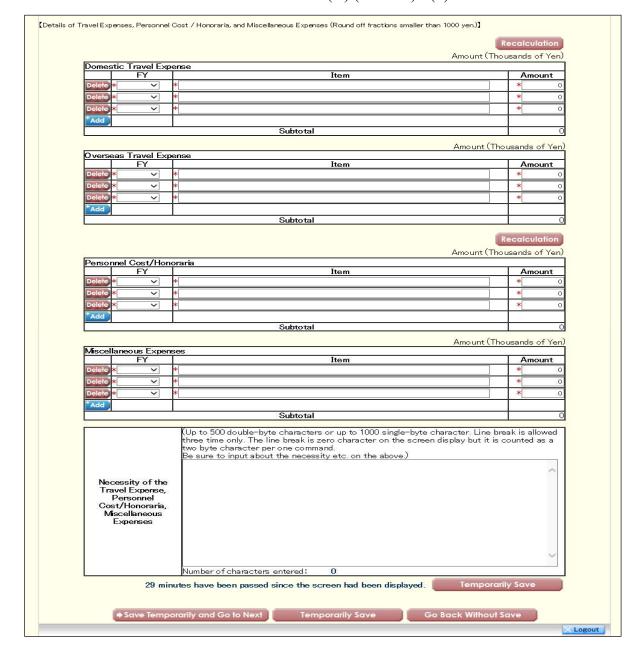
 (b)The Co-Investigator has to fulfill the requirement for the research ethics education coursework either by reading a textbook such as "For the Sound Development of Science The Attitude of a Conscientious Scientist —" ("For the Sound Development of Science Editorial Committee on JSPS), by taking an e-Learning course such as the "e-Learning Course on Research Ethics [eL. CORE] or "APRIN Japan e-Learning program (CITI Japan)", or by participating in the research ethics education course conducted at his/her institution badd on the "Guidelines for Responding to Misconducting of the Responding to Misconducting of the MEXT), prior to the formal application for grant delivery (or., in case the grant has already benedictined, by the time the "application for approval of change for the Co-Investigator is submitted by the Principal Investigator to USPS). (c)The Co-Investigator has to understand thoroughly and confirm on what the researches should consider, in conducting of their researches, from amongst the contents of both the statement "Code of Conduct for Scientists -Revised Version-" by the Science Council of Japan and the booklet "For the Sound Development of Science -The Attitude of a Conscientious Scientists -Revised Version-" by the Co-Investigator is to be submitted to the USPS by the Principal Investigator, in case the official grant decision thereof has been already made.)

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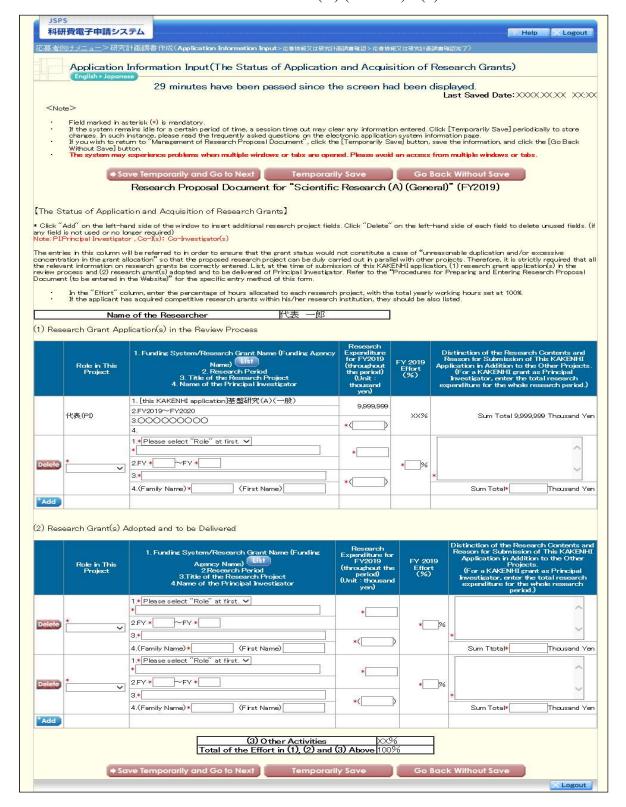
Scientific Research (A) (General) - (4)



Scientific Research (A) (General) - (5)



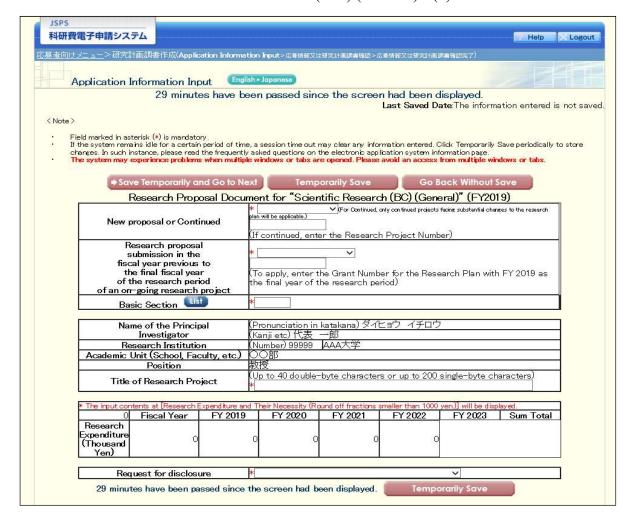
Scientific Research (A) (General) - (6)



Scientific Research (B/C) (General) - (1)



Scientific Research (B/C) (General) - (2)



Scientific Research (B/C) (General) - (3)

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

- Click [Add] button if you add Co-Investigator(s) (Co-I(s)).

 Note: Click [Add] on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).

 Enter the researcher number of the Co-Investigator and click on the [Search] button, his/her information will be displayed, and click [OK] button. Since the Co-Investigator may belong to more than one research institution, please ask the Co-Investigator at first to confirm which affiliation he/she wishes to
- list for the application.

 The consent both from Co-Investigator him/herself and his/her research institution should be given on the electronic application system to list him/her on the project members as a Co-Investigator
- the project members as a Co-Investigator.

 To make a request for Co-Investigators, check the checkbox at "Request" in the "Status of Consent" row and save it temporarily. The researcher registered in the field is provisionally requested to participate in the research project as a Co-Investigator. Check the checkbox again to confirm that you want to request him/her to participate in the research project. (In addition, please contact him/her that you had made the Co-Investigator request on the
- want to request him/her to participate in the research project. (In addition, please contact him/her that you had made the Co-Investigator request on the system) Once the consent by each Co- investigator is obtained, the term "Return Back" will be displayed in the Status of Consent column of the Co- Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co-Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co-Investigator. It is consent from Co-Investigator has not yet been confirmed" and the Co-Investigator is able to correct the input information such as efforts again. Should the registered contents by the Co-Investigators be corrected, please make sure to check. (And also always inform the Co-Investigator that the "Return Back" has been commanded.)

 Regardless the entry of the consent from the Co-Investigator (including the research institutions to which the Co-Investigator belongs), pressing the [Delete] button enables to delete the frame for the data input. Please take note that you have to follow the same procedure from the beginning, in case you request the identical researcher to become a Co-Investigator again after the [Delete] of the frame above completed.

 You cannot register the researcher, whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution", as a Co-Investigator to the project members. Press [Delete] button on the left hand side of that column and delete the frame into which the data is being entered.

- (When you request the researchers to become a Co-Investigator)
 When you request the researchers to become a Co-Investigator, your official request should be based on the high probability in obtaining the consent from the Co-Investigator—to-be after surely confirming the following items with the researchers.

①For this research project, the Co-Investigator has to bear responsibility for the implementation of the research project in cooperation with the Principal Investigator.

(a), (b) and (c) below, and to receive a share of KAKENHI from the Principal Investigator and use it properly.

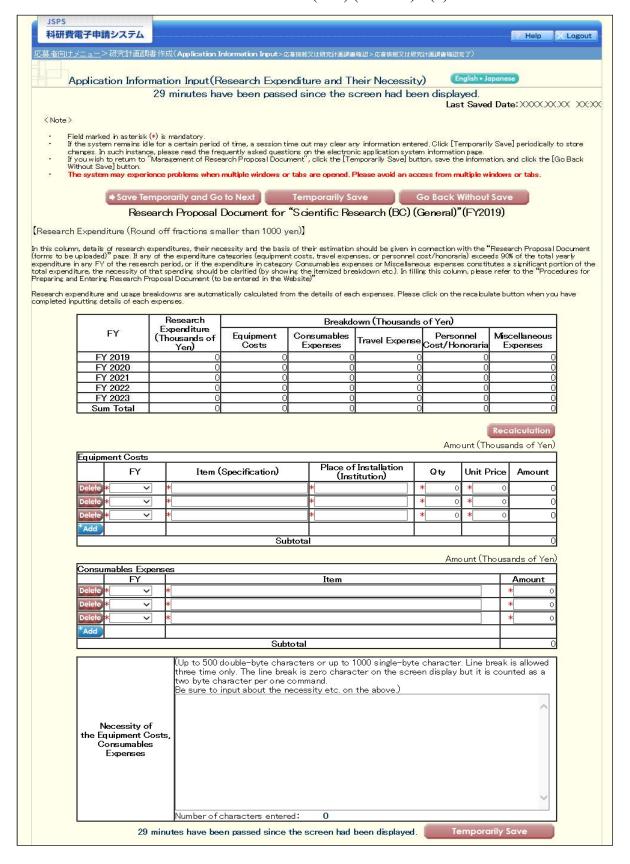
- (a)The Co-Investigator has to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you therefore have to use KAKENHI in a proper and efficient way and refrain from committing research misconduct during my research.

 (b)The Co-Investigator has to fulfill the requirement for the research ethics education coursework either by reading a textbook such as "For the Sound Development of Science The Attitude of a Conscientious Scientist -"("For the Sound Development of Science Editorial Committee on JSPS), by taking an e-Learning course such as the "e-Learning Course on Research Ethics [el. CoRE] or "APRIN Japan e-learning program (CITI Japan)", or by participating in the research ethics education course conducted at his/her institution based on the "Guidelines for Responding to Misconduct in Research" (Adopted August 26, 2014 by the MEXT), prior to the formal application for grant delivery (or. in case the grant has already been delivered, by the time the "application for approval of charge for the Co-Investigator" is submitted by the Principal Investigator to JSPS).

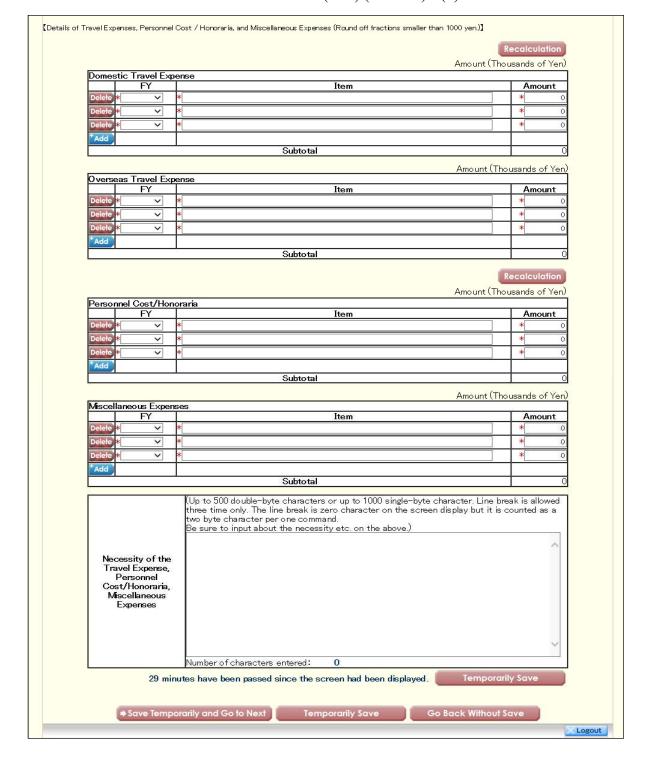
 (c)The Co-Investigator has to understand thoroughly and confirm on what the researchers should consider, in conducting of their researches, from amongst the contents of both the statement "Code of Conduct for Scientists -Revised Version-" by the Science Council of Japan and the booklet "For the Sound Development of Science -The Attitude of a Conscientious Scientists By by the JSPS, by the time of the formal application for grant delivery of the concerned research project. (Or, by the time when the "application for approval of charge of the Co-Investigator" is to be submitted to the JSPS by the Principal Investigator, in case the official grant decision thereof has been already made.)

	Status of Consent	Distinction	Name (Age)	Research Institution Academic Unit (School, Faculty, etc.) Position	1.Academic Degree 2.Role in This Project	Research Expenditure for FY2019 (Thousand Yen)	Effort(%)
		研究代表者 (Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダ	AAA大学	1.*	*	*
			(Fronciscon in Ratakaria) タイナロウ イヒョウ イチロウ (Kanji etc.) 代表 一郎 (Age) 60 Years Old	AA学部			
				教授			
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Scientific Research (B/C) (General) - (4)



Scientific Research (B/C) (General) - (5)



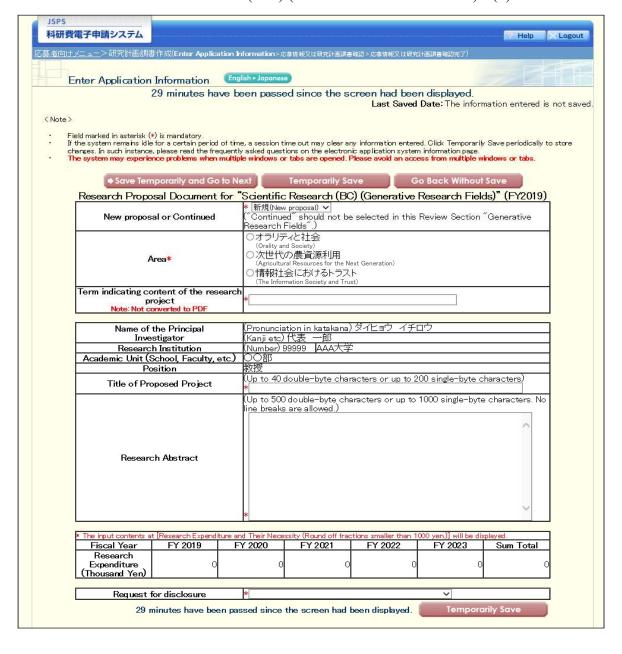
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Scientific Research (B/C) (Generative Research Fields) - (1)



Scientific Research (B/C) (Generative Research Fields) - (2)



Scientific Research (B/C) (Generative Research Fields) - (3)

[Project Members List (Principal Investigator and Co-Investigator)] Olick [Add] button if you add Co-Investigator(s) (Co-I(s)). Note: Click [Add] on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).

Enter the researcher number of the Co-Truestigator and click on the [Search] button, his/her information will be displayed, and click [OK] button. Since the Co-Investigator may belong to more than one research institution, please ask the Co-Investigator at first to confirm which affiliation he/she wishes to

- list for the application.
 The consent both from Co-Investigator him/herself and his/her research institution should be given on the electronic application system to list him/her on
- The project members as a Co-Investigator.

 To make a request for Co-Investigators, check the checkbox at "Request" in the "State of Consent" row and save it temporarily. The researcher registered in the field is provisionally requested to participate in the research project as a Co-Investigator. Check the checkbox again to confirm that you want to request him/her to participate in the research project. (In addition, please contact him/her that you had made the Co-Investigator request on the property.)
- want to request him/her to participate in the research project. Unladdition, please contact niminer that you have the Co-Investigator is obtained, the term "Return Back" will be displayed in the Status of Consent column of the Co-Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co-Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co-Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co-Investigator, the status goes back to the status of "The consent from Co-Investigator has the input information such as efforts again. Should the registered contents by the Co-Investigator she seems have sure to check. (And also always inform the Co-Investigator that the "Return Back" has been commanded.)

 Regardless the entry of the consent from the Co-Investigator (including the research institutions to which the Co-Investigator belongs), pressing the [Delete] button enables to delete the frame for the data input. Please take nots that you have to follow the same procedure from the besiming, in case you request the identical researcher, whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution", as a Co-Investigator temporary the Investigator again after the [Delete] of the frame above completed.

 You cannot register the researcher, whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution", as a Co-Investigator to the project members. Press [Delete] button on the left fand side of that column and delete the frame into which the data is being entered.

- [When you request the researchers to become a Co-Investigator]
 When you request the researchers to become a Co-Investigator, your official request should be based on the high probability in obtaining the consent from the Co-Investigator-to-be after surely confirming the following items with the researchers.

To this research project, the Co-Investigator has to bear responsibility for the implementation of the research project in cooperation with the Principal

Threstigators.

(2) As well as the Co-Investigator understand and comply with both the KAKENHI supplementary conditions (funding conditions) and the terms stipulated in the (a), (b) and (c) below, and to receive a share of KAKENHI from the Principal Investigator and use it properly.

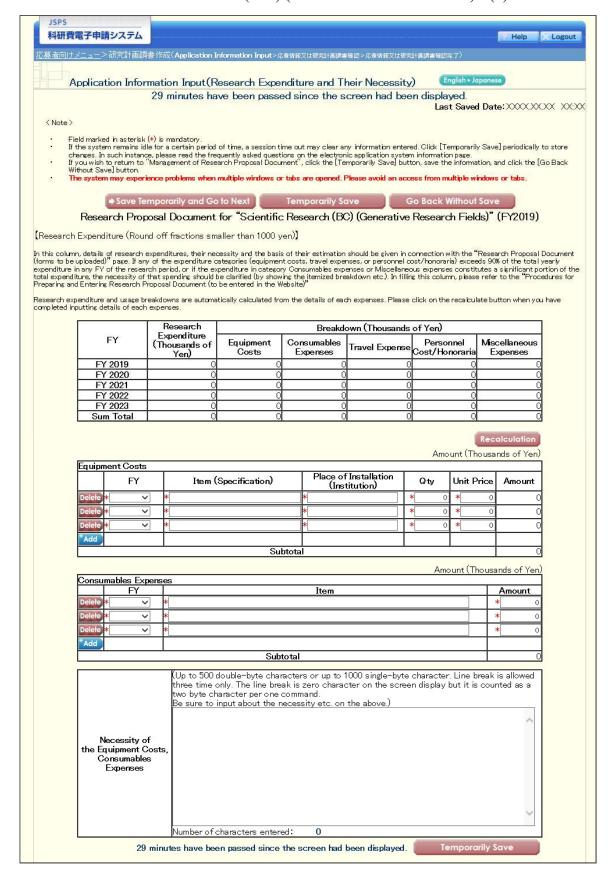
- (a)The Co-Investigator has to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you therefore have to use KAKENHI in a proper and efficient way and refrain from committing research misconduct during my research.

 (b)The Co-Investigator has to fulfill the requirement for the research ethics education coursework either by reading a textbook such as "For the Sound Development of Science The Attitude of a Conscientious Scientist -" ("For the Sound Development of Science Editorial Committee on JSPS), by taking an e-Learning course such as the "e-Learning Course on Research Ethics [eL CoRE] or "APRIN Japan e-learning program (CITI Japan)", or by participating in the research ethics education course conducted at his/her institution based on the "Guidelines for Responding to Misconduct in Research (Adopted August 26, 2014 by the MEXT), prior to the formal application for grant delivery (or, in case the grant has already been delivered, by the time the "application for approval of charge for the Co-Investigator" is submitted by the Principal Investigator to JSPS).

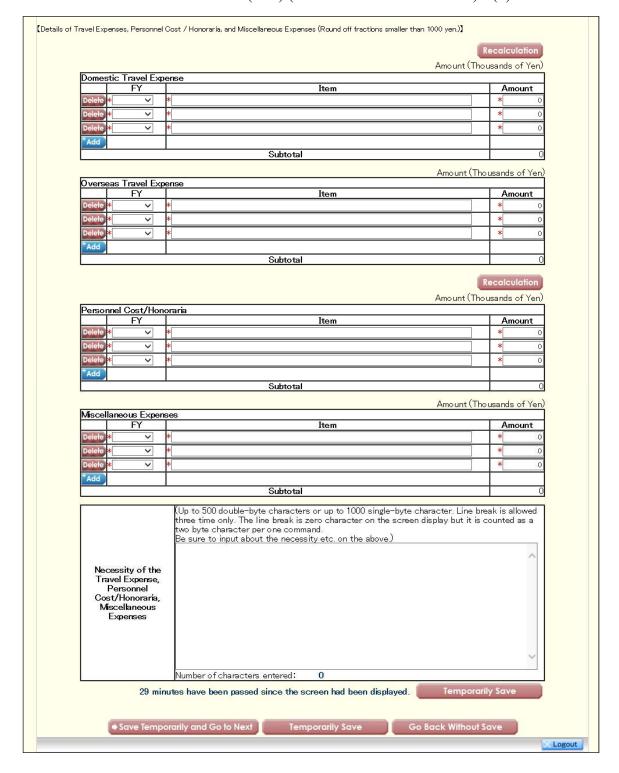
 (c)The Co-Investigator has to understand thoroughly and confirm on what the researchers should consider, in conducting of their researches, from amongst the contents of both the statement "Code of Conduct for Scientists -Revised Version-" by the Science Council of Japan and the booklet "For the Sound Development of Science -The Attitude of a Conscientious Scientists Both the Science Council of Japan and the booklet to the USPS by the Principal Investigator, in case the official grant decision thereof has been already made.)

	Status of Consent	Distinction	Name (Age)	Research Institution Academic Unit (School, Faculty, etc.) Position	1 Academic Degree 2.Role in This Project	Research Expenditure for FY2019 (Thousand Yen)	Effort(%)
		研究代表者 (Principal Investigator)	(Researcher Number) 99999999 (Pronunciation in katakana) ダ イヒョウ イチロウ	AAA大学	1.*	* *	
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			(Kanji etc) 代表 一郎 (Age) 60 Years Old	教授			
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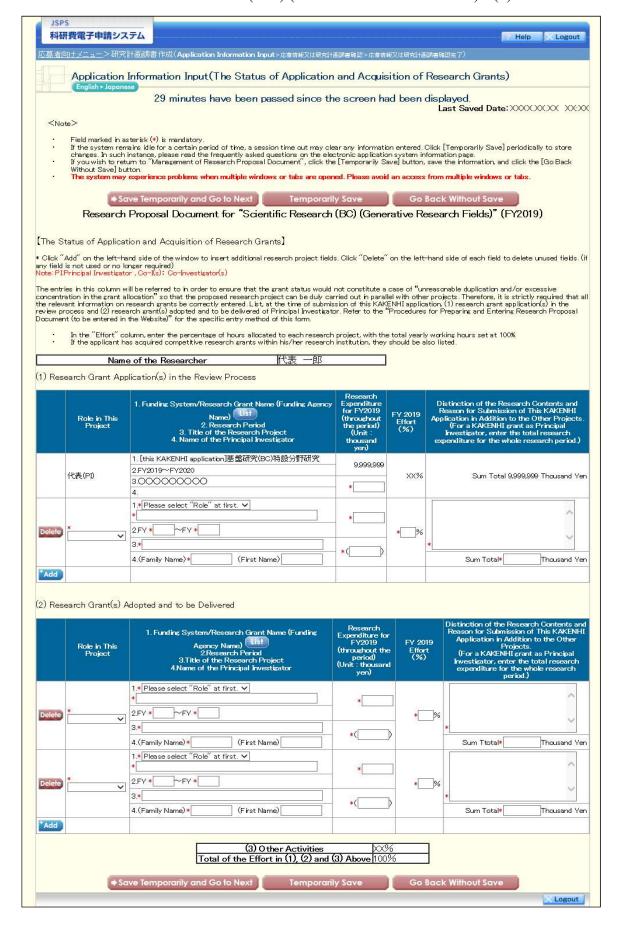
Scientific Research (B/C) (Generative Research Fields) - (4)



Scientific Research (B/C) (Generative Research Fields) - (5)



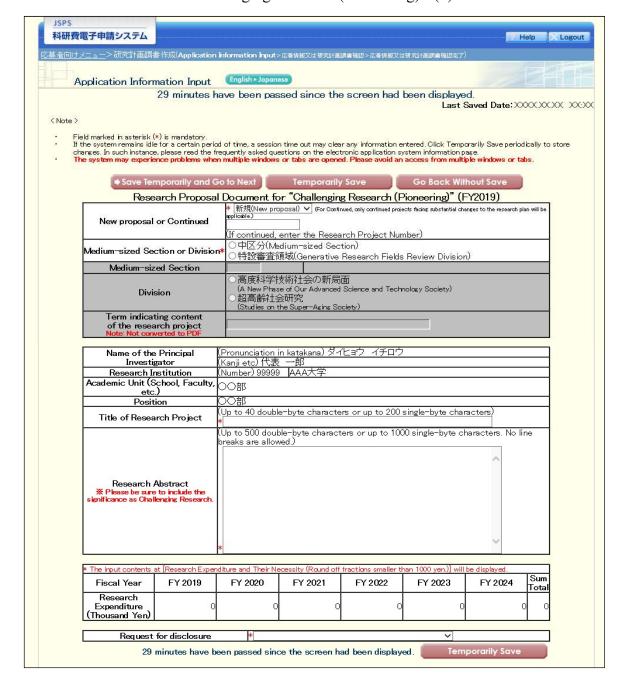
Scientific Research (B/C) (Generative Research Fields) - (6)



Challenging Research (Pioneering) - (1)



Challenging Research (Pioneering) - (2)



Challenging Research (Pioneering) - (3)

[Project Members List (Principal Investigator and Co-Investigator)] Click [Add] button if you add Co-Investigator(s) (Co-I(s)).

Note: Click [Add] on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).

Enter the researcher number of the Co-Investigator and click on the [Search] button, his/her information will be displayed, and click [OK] button. Since the Co-Investigator may belong to more than one research institution, please ask the Co-Investigator at first to confirm which affiliation he/she wishes to list The consent both from Co-Investigator him/herself and his/her research institution should be given on the electronic application system to list him/her on the project members as a Co-investigator.

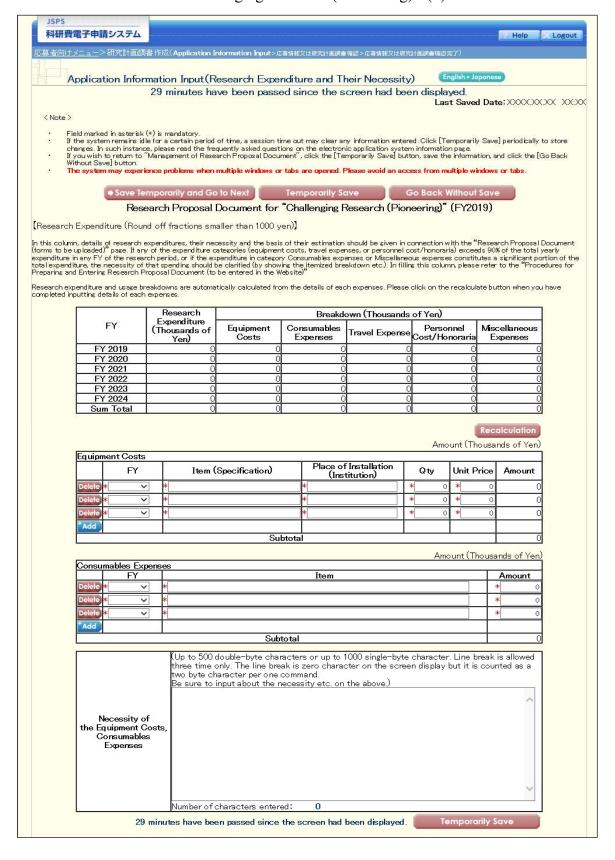
To make a request for Co-investigators, check the checkbox at "Request" in the "Status of Consent" row and save it temporarily. The researcher registered in the field is provisionally requested to participate in the research project as a Co-Investigator. Check the checkbox again to confirm that you want to request him/her to participate in the research project. (In addition, please contact him/her that you had made the Co-Investigator request on the system)
Once the consent by each Co- investigator is obtained, the term "Return Back" will be displayed in the Status of Consent column of the Co- Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co-Investigator, the status goes back to the status of "The consent from Co-Investigator has not yet been confirmed" and the Co-Investigator is able to correct the input information such as efforts again, Should the registered contents by the Co-Investigator she corrected, please make sure to check. (And also always inform the Co-Investigator that the "Return Back" has been commanded.)
Regardless the entry of the consent from the Co-Investigator (including the research institutions to which the Co-Investigator belongs), pressing the [Delete] button enables to delete the frame for the data input. Please take note that you have to follow the same procedure from the beginning, in case you request the identical researcher to become a Co-Investigator again after the [Delete] of the frame above completed.

You cannot register the researcher, whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution", as a Co-Investigator to the project members. Press [Delete] button on the left hand side of that column and delete the frame into which the data is being entered. [When you request the researchers to become a Co-Investigator] When you request the researchers to become a Co-Investigator, your official request should be based on the high probability in obtaining the consent from the Co-Investigator-to-be after surely confirming the following items with the researchers. ①For this research project, the Co-Investigator has to bear responsibility for the implementation of the research project in cooperation with the Principal Investigator. Investigator.

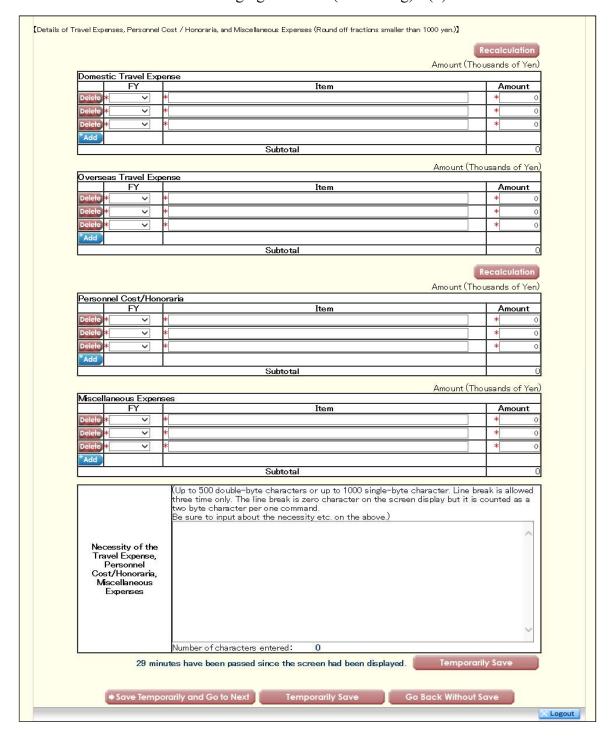
②As well as the Co-Investigator understand and comply with both the KAKENHI supplementary conditions (funding conditions) and the terms stipulated in the (a), (b) and (c) below, and to receive a share of KAKENHI from the Principal Investigator and use it properly. (a)The Co-Investigator has to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you therefore have to use KAKENHI in a proper and efficient way and refran from committing research misconduct during my research.

(b)The Co-Investigator has to fulfill the requirement for the research ethics education coursework either by reading a textbook such as "For the Sound Development of Science" Editorial Committee on JSPS), by taking an e-Learning course such as the "e-Learning Course on Research Ethics [el. CoRE] or "APRIN Japan e-Berning program (CITI Japan)", or by participating in the research ethics education course conducted at his /her institution based on the "Guidelines for Responding to Misconduct in Research" (Adopted August 26, 2014 by the MEXT), prior to the formal application for grant delivery (cr, in case the grant has already been delivered, by the time the "application for approval of change for the Co-Investigator" is submitted by the Principal Investigator to JSPS). (c)The Co-Investigator has to understand thoroughly and confirm on what the researchers should consider, in conducting of their researches, from amongst the contents of both the statement "Code of Conduct for Scientists -Revised Version." by the Science Council of Japan and the booklet "For the Sound Development of Science -The Attitude of a Conscientious Scientists" by the JSPS, by the time of the formal application for grant delivery of the concerned research project. (Or, by the time when the "application for approval of change of the Co-Investigator" is to be submitted to the JSPS by the Principal Investigator, in case the official grant decision thereof has been already made.) Research Institution Academic Unit (School, Faculty, etc.) Position Status of Consent Name (Age) Distinction Effort(%) (Researcher Number) 99999999 (Pronunciation in katakana) ダイ ヒョウ イチロウ (Kanji etc) 代表 一郎 (Age) 60 Years Old AAA大学 研究代表者 (Principal Investigator) AA学部 教授 *(Researcher Number) * 研究分担者(Co-I(s)) ✔ Request (Pronunciation in katakana) (Kanji etc) (Age) Dissented by the Co-Investi (Researcher Number) 12345678 BBB大学 (不承諾理由6 789012345 678901234 567890123 (Pronunciation in katakana)ブン タン イチロウ BB学部 研究分担者(Co-I(s)) (Kanji etc)分担 一郎 456789012 34567890) (Age)00才 Obtained the c (Researcher Number) 12341234 CCC大学 onsent from th e Co-Investiga (Pronunciation in katakana)ブン BB学部 tor Consent from the institution 研究分担者(Co-I(s)) (Kanji etc)分担 二郎 教授 has not yet be en obtained. (Age)00才 †Add Number of Project Members 2 29 minutes have been passed since the screen had been displayed. ⇒ Save Temporarily and Go to Next Temporarily Save Go Back Without Save Logout

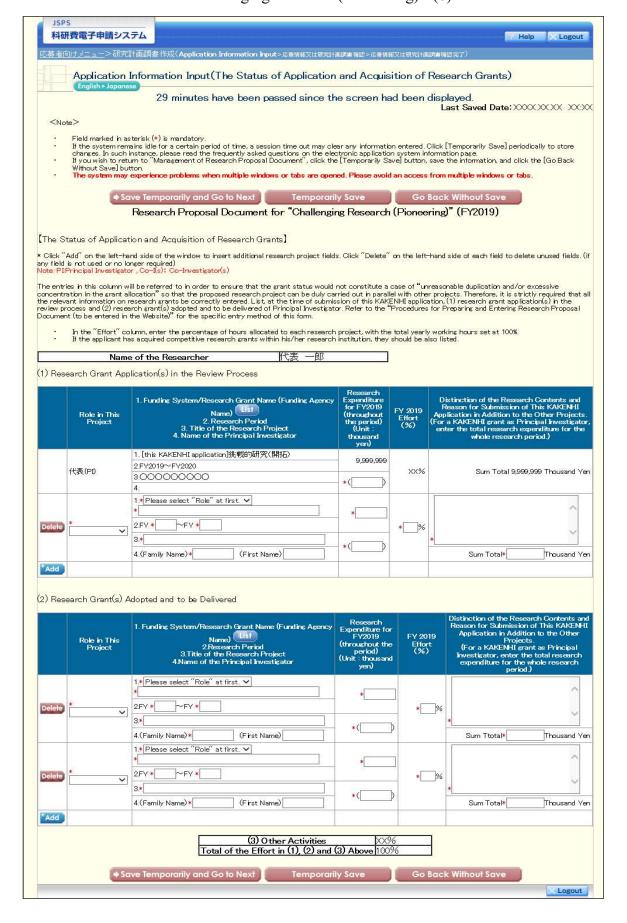
Challenging Research (Pioneering) - (4)



Challenging Research (Pioneering) - (5)



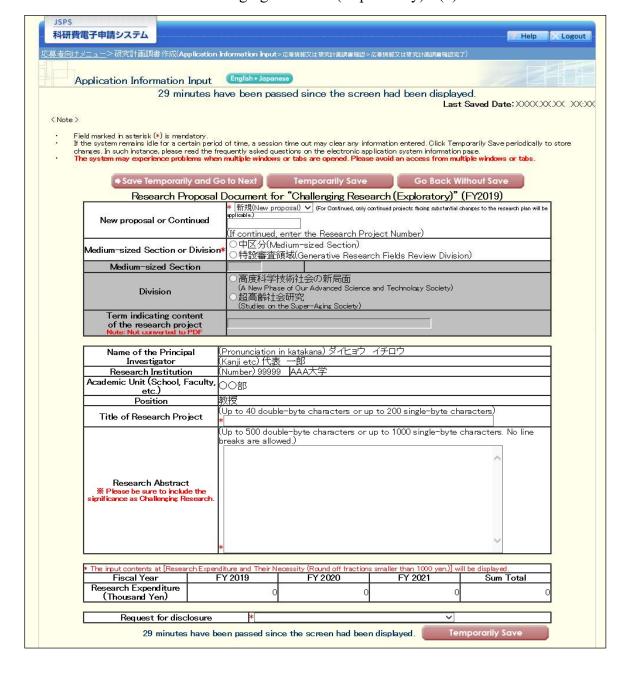
Challenging Research (Pioneering) - (6)



Challenging Research (Exploratory) - (1)



Challenging Research (Exploratory) - (2)



Challenging Research (Exploratory) - (3)

[Project Members List (Principal Investigator and Co-Investigator)] Click [Add] button if you add Co-Investigator(s) (Co-I(s)).

Note: Click [Add] on the left-hand side of the window to insert additional Project Members List fields. Click Delete on the left-hand side of each field to delete unused fields (if any field is not used or no longer required).

Enter the researcher number of the Co-Investigator and click on the [Search] button, his/her information will be displayed, and click [OK] button. Since the Co-Investigator may belong to more than one research institution, please ask the Co-Investigator at first to confirm which affiliation he/she wishes to list for the application.

The consent both from Co-Investigator him/herself and his/her research institution should be given on the electronic application system to list him/her on the project members as a Co-Investigator. To make a request for Co-Investigators, check the checkbox at "Request" in the "Status of Consent" row and save it temporarily. The researcher registered in the field is provisionally requested to participate in the research project as a Co-Investigator. Check the checkbox again to confirm that you want to request him/her to participate in the research project. (In addition, please contact him/her that you had made the Co-Investigator request on the system.) System.)

Once the consent by each Co- investigator is obtained, the term "Return Back" will be displayed in the Status of Consent column of the Co- Investigator. In case pressing the Temporarily Save after checking the checkbox at "Return Back" in the Status of Consent column of the Co-Investigator, the status goes back to the status of "The consent from Co-Investigator has not yet been confirmed" and the Co-Investigator is able to correct the input information such as efforts again. Should the registered contents by the Co-Investigator be corrected, please make sure to check. (And also always inform the Co-Investigator that the "Return Back" has been commanded.)

Regardless the entry of the consent from the Co-Investigator (including the research institutions to which the Co-Investigator belongs), pressing the [Delete] button enables to delete the frame for the data input. Please take note that you have to follow the same procedure from the beginning, in case you request the identical researcher to become a Co-Investigator again after the [Delete] of the frame above completed.

You cannot register the researcher, whose status of consent is "Dissented by the Co-Investigator" or "Dissented by the Institution", as a Co-Investigator to the project members. Press [Delete] button on the left hand side of that column and delete the frame into which the data is being entered. [When you request the researchers to become a Co-Investigator]

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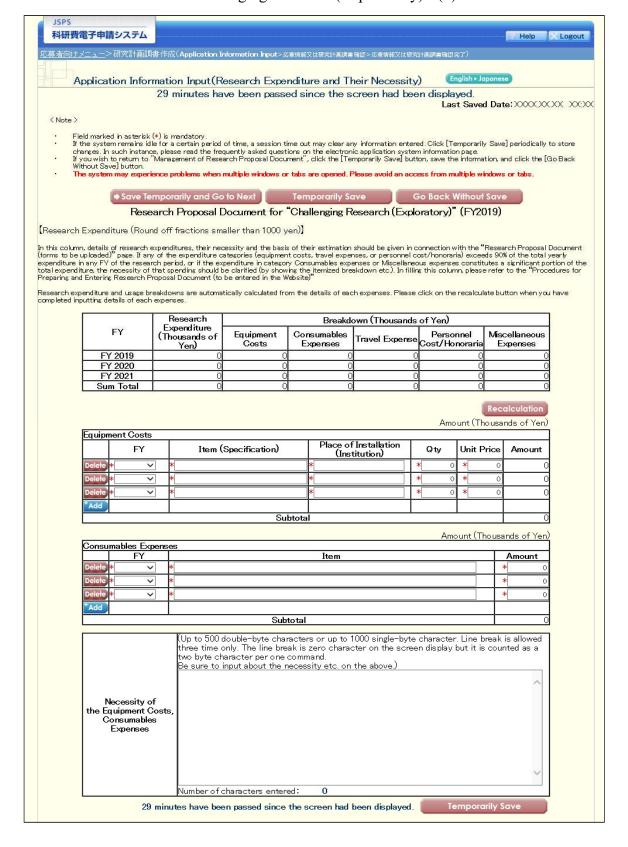
②As well as the Co-Investigator understand and comply with both the KAKENHI supplementary conditions (funding conditions) and the terms stipulated in the (a), (b) and (c) below, and to receive a share of KAKENHI from the Principal Investigator and use it properly. (a) The Co-investigator has to recognize that citizens have placed trust in scientific research and that KAKENHI are funded with their tax, and you therefore have to use KAKENHI in a proper and efficient way and refrain from committing research misconduct during my research.

(b) The Co-investigator has to fulfill the requirement for the research ethics education coursework either by reading a textbook such as "For the Sound Development of Science" Editorial Committee on JSPS), by taking an e-Learning course such as the "e-Learning Course on Research Ethics [e.L. CoRE] or "APRIN Japan e-berning program (CITI Japan)", or by participating in the research ethics education course conducted at his /her institution based on the "Guidelines for Responding to Misconduct in Research" (Adopted August 26, 2014 by the MEXT), prior to the formal application for grant delivery (or, in case the grant has already been delivered, by the time the "application for approval of change for the Co-investigator" is submitted by the Principal Investigator to JSPS). (c) The Co-investigator in as to understand thoroughly and confirm on what the researchers should consider, in conducting of their researches, from amongst the contents of both the statement "Code of Conduct for Scientists -Revised Version-" by the Science Council of Japan and the booklet "For the Sound Development of Science -The Attitude of a Conscientious Scientists" by the time of the formal application for grant delivery of the concerned research project. (Or, by the time when the "application for approval of change of the Co-investigator" is to be submitted to the JSPS by the Principal Investigator, in case the official grant decision thereof has been already made.) 1.Academic Degree 2.Role in This Project Status of Consent Name (Age) Distinction Effort(%) (Researcher Number) 99999999 (Pronunciation in katakana) ダイ ヒョウ イチロウ (Kanji etc) 代表 一郎 (Age) 60 Years Old AAA大学 研究代表者 (Principal Investigator) AA学部 教授 *(Researcher Number) Request * 研究分担者(Co-I(s)) ✔ (Pronunciation in katakana) (Kanji etc) (Age) Dissented by the Co-Investi (Researcher Number) 12345678 BBB大学 (Pronunciation in katakana)ブン タン イチロウ BB学部 研究分担者(Co-I(s)) (Kanji etc)分担 一郎 (Age)00才 (Researcher Number) 12341234 CCC大学 (Pronunciation in katakana)ブン BB学部 研究分担者(Co-I(s)) (Kanji etc)分担 二郎 教授 (Age)00才 *Add Number of Project Members 2 29 minutes have been passed since the screen had been displayed. Temporarily Save

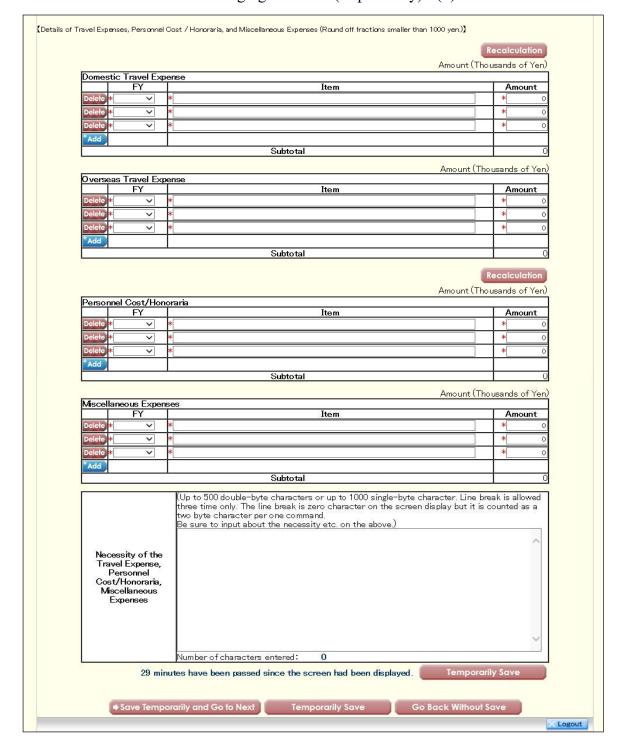
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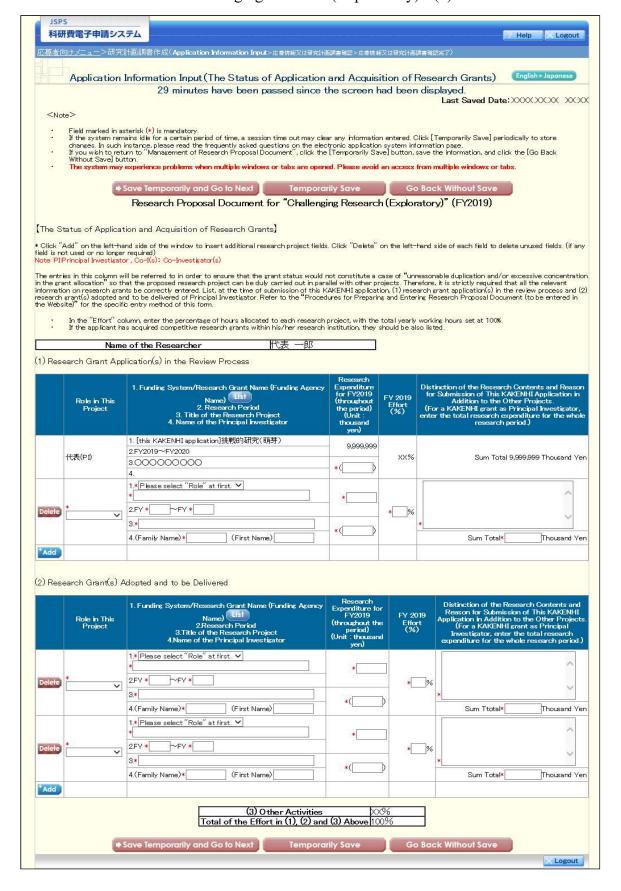
Challenging Research (Exploratory) - (4)



Challenging Research (Exploratory) - (5)



Challenging Research (Exploratory) - (6)



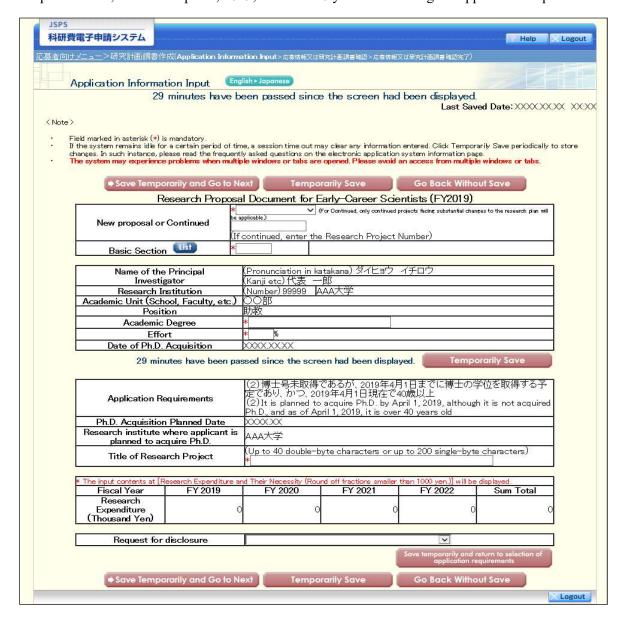




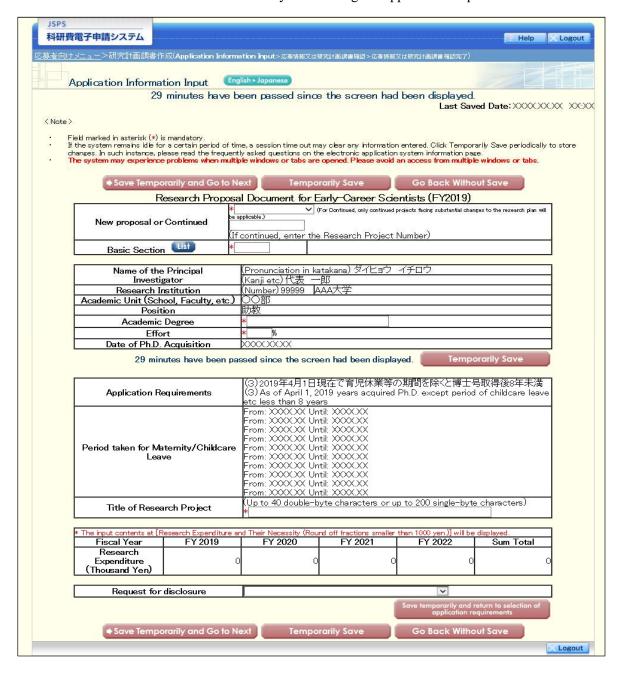
In case of selecting the option "(1) As of April 1, 2019 Ph.D. acquired less than 8 years" among the application requirements

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In case of selecting the option "(2) It is planned to acquire Ph.D. by April 1, 2019, although it is not acquired Ph.D., and as of April 1, 2019, it is over 40 years old" among the application requirements

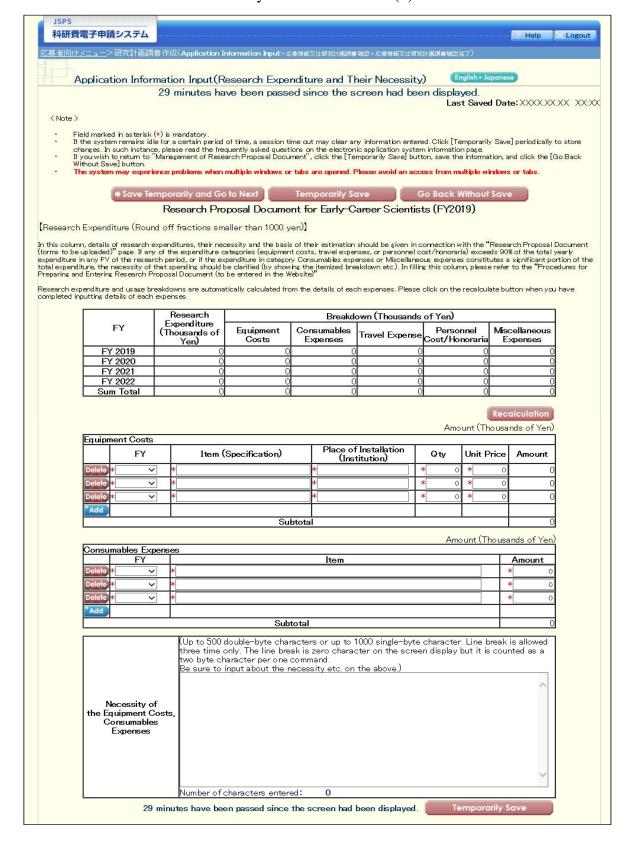


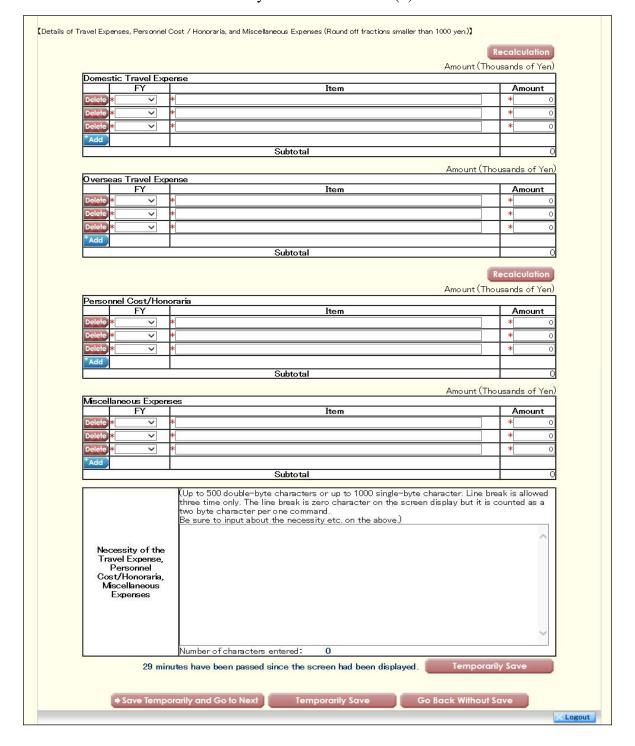
In case of selecting the option "(3) As of April 1, 2019 years acquired Ph.D. except period of childcare leave etc less than 8 years" among the application requirements

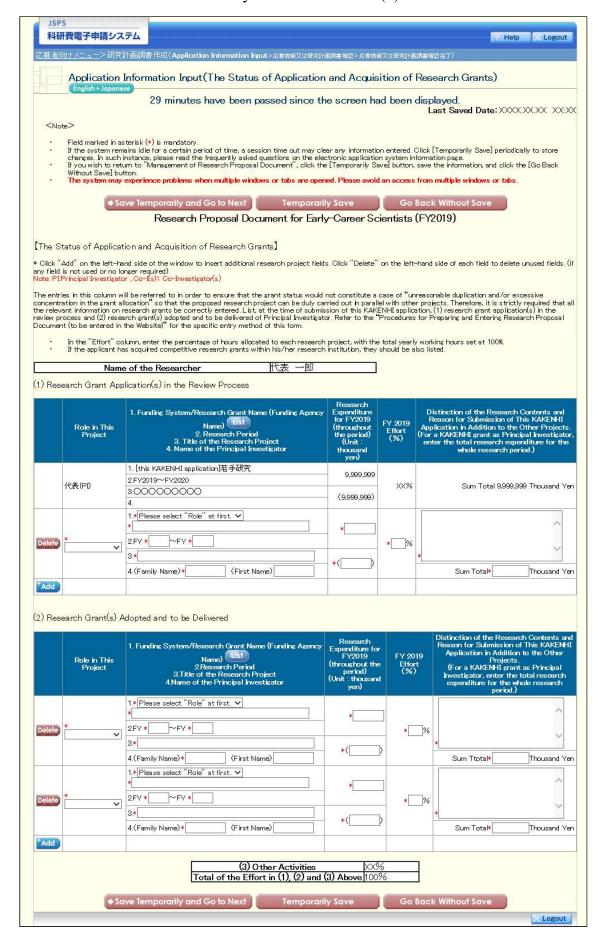


In case of selecting the option "(4) Ph.D. not yet acquired or planned to obtain Ph.D., and as of April 1, 2019, it is 39 years old or younger" among the application requirements

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Registration of Co-Investigators' Consent/Dissent - (1)



Registration of Co-Investigators' Consent/Dissent - (2)

