

## **FY2017 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for “Challenging Research (Pioneering) ” (New)**

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

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

Moreover, since KAKENHI (Multi-year Fund) will be provided for “Challenging Research (Pioneering) ”, it becomes for example possible to procure goods across fiscal years, when implementing the research funding. Therefore, it is also possible to draft a research plan while bearing in mind that it is possible to procure goods across fiscal years. (Please refer to the Application Procedures.)

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

### Remarks

- ※ **This proposal for grant-in-aid is to be used when applying for “Challenging Research (Pioneering) ”, “New Application”.**
- ※ **When preparing the proposal for grant-in-aid, the Principal Investigator should make the preparations in a responsible way, in accordance with the rules set forth in the Application Procedures. Moreover, please refer to the Application Procedures for a definition of the Principal Investigator, the Co-Investigator (*kenkyū-buntansha*), the Co-Investigator (*renkei-kenkyūsha*) and the Research Collaborator.**
- ※ **No modifications can be made to the prescribed form.**
- ※ **Proposals for grant-in-aid prepared in English will be accepted.**

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

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

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

For procedures for preparing and entering application information (to be entered in the website), please refer to the “FY2016 Procedures for Preparing and Entering Application Information (to be entered in the website) (“Scientific Research(S/A/B/C)”, “Challenging Research (Pioneering/Exploratory)”, “Grant-in-Aid for Young Scientists (A/B)”, Continued Research Projects)”.

(To be entered in the website)

1. New or continued
2. Area Number
3. Name of the Principal Investigator
4. Position, Academic Unit, and Research Institution of the Principal Investigator
5. Title of Proposed Project
6. Research Abstract
7. Budget of Proposed Project
8. Wish for Disclosure of Screening Results
9. Project Members

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

The following items are information about the “File Containing the Project Description (items in the attached file)”. They constitute the second part of the proposal for grant-in-aid (PDF file).

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

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

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

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

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

**(1) The sections “Outline of “Purpose of the Research” and “Research Plan” and “Previous research activities and concept details; significance as Challenging Research (Reason for application to this research category)”**

Please fill in according to the directions in the proposal for Grant-in-Aid. If the amount of the application is high, a preliminary screening based on these items and the “Application Information (to be entered in the website)” will be conducted.

**(2) The sections “Research Purpose and Research Plan”, “Significance as Challenging Research (Reason for application to this research category)”, “Applicant’s research capabilities”, and “Rationality and Justification of the Research Costs”**

Please fill in according to the directions in the proposal for Grant-in-Aid.

Also, the section “Applicant’s research capabilities” differs from the section “Research Achievements” in other research categories, in that it is not required to give exhaustive details of research achievements. Furthermore, if there is need to list papers etc. please describe such identifiable information as (for example in the case of a paper), the title, author, the journal title, volume number, page numbers, and the year of publication (Christian Era). If there are multiple authors, please omit all but the main authors and double underline the Principle Investigator, single underline the Co-Investigator (*kenkyū-buntansha*), and dot-line the Co-Investigator (*renkei-kenkyūsha*)

**(3) The section “Protection of Human Rights and Compliance with Laws and Regulations”**

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

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

**(4) In the section “Statement of Costs for Equipment”** the applicant should enter the items by fiscal year and give the total cost, taking into account the following.

If the applicant is purchasing many books and materials, he or she should enter details, such as “books relating to politics during the Middle Ages in the West”, in such wording that the contents of the books and materials becomes clear. For machines and tools, not only the type but also the breakdown of each set should be stated.

**(5) In the section “Statement of Costs for Consumables”**, the applicant should enter the name of each item, such as chemicals, test animals, and scientific glassware, etc., separately, divide them for each fiscal year, and add the total sum.

**(6) In the section “Statement of Costs for Travel Expenses”**, the applicant should enter the items divided for each fiscal year, and add the total sum, taking into account the following points.

- 1) The applicant should divide travel expenses into domestic and overseas travel expenses and itemize them for each item, such as overseas/domestic travel expenses of the Principal Investigator, Co-Investigator (*kenkyū-buntansha*), Co-Investigator (*renkei-kenkyūsha*), and Research Collaborator(s) (e.g. collection of materials, various surveys, research meetings, and the publication of research achievements). He or she should itemize the local transportation expenses, accommodation fees and daily allowance for overseas and domestic travel.
- 2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (postdoctoral researchers, research assistants (RA), researchers belonging to overseas research institutions, and others) (e.g. people engaged in organizing materials, assisting in experiments, performing translation or proofreading, providing technical knowledge, distributing and collecting questionnaires and collecting

information materials for research), and payment to temporary staff agencies.

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

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

**(7) The section “Application for Research Funding, Current State of Funding and Effort”**

The applicant should enter the state of respectively “(1) research funding applied for”, “(2) research funding to be provided” and “(3) other activities” at the time of application by the Principal Investigator, taking into account the following points. Distinguish between sources of research funding, if there is more than one.

- In the section “(1) research funding applied for” and “(2) research funding to be provided”, the applicant should not only fill in KAKENHI but also other competitive funding systems.
- The applicant should include research funding that is competitively delivered within the research institution to which he or she belongs in “(1) research funding applied for” or “(2) research funding to be provided”.
- The basic funding that is uniformly delivered within the research institution for conducting the research activities as a job duty does not need to be included in “(1) research funding applied for” or “(2) research funding to be provided”. The effort for the research activities using such funding should be entered in “(3) other activities”.

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

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

The applicant should enter the name of the research funding, the research period and the name of the funding organization. Moreover, in the case of KAKENHI, he or she should only enter the research category, screening division (for Scientific Research on Innovative Areas (Research a

proposed research project), whether planned research or invited research), and the research period. However, for Grant-in-Aid for JSPS Fellows, he or she should enter the project number.

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

→ Scientific Research (C) (General) (FY2016 to FY2019)

(Example 2) “Challenging Research (Exploratory)” with a research period from FY2017 to FY2019

→ Challenging Research (Exploratory) (FY2017 to FY2019)

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

→ Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2017 to FY2021)

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

→ Grant-in-Aid for JSPS Fellows (FY2016 to FY2018) 16J12345

## 2) “Title of the research project (name of the Principal Investigator)”

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

## 3) “Role (Principal Investigator or Co-Investigator (*kenkyū-buntansha*))”

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

## 4) “Budget for FY2017 (throughout the period) (Unit: Thousands of yen)”

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

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

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

**5) “Effort”**

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

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

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

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

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

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

Further, in the case of duplicate applications with other research categories, the research project in the application has to differ from the other research categories.