

## **FY2012 Procedures for Preparing and Entering a Proposal for Grant-in-Aid for “Challenging Exploratory Research” (New)**

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

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

Moreover, since KAKENHI (Multi-year Fund) will be provided for “Challenging Exploratory Research”, it becomes for example possible to procure goods across fiscal years when implementing KAKENHI. Therefore, it has also become 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 Exploratory Research”, “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. However, the items necessary for clerical processing of the application information (to be entered in the website) should be entered in Japanese.**

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

When preparing the application, the following items, which are “application information (to be entered in the website)” of the “proposal for grant-in-aid”, should be entered directly by the Principal Investigator, login the “Cross-ministerial Research and Development management system (hereinafter called “e-Rad”)” using the ID and the password which has been provided by the applicant’s research institution, accesses the “JSPS electronic application system for projects funded by grants-in-aid for scientific research” (hereinafter called “Electronic Application System”).

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 “Procedures for Preparing and Entering Application Information (to be entered in the website) (“Scientific Research”, “Challenging Exploratory Research”, “Grant-in-Aid for Young Scientists (A/B)”)

(To be entered in the website)

1. New or continued
2. Item Number
3. Screening Sub-panel Number
4. Keywords from Keyword List, Other Keywords
5. Name of the Principal Investigator
6. Position, Academic Unit, and Research Institution of the Principal Investigator
7. Title of Proposed Project
8. Budget of Proposed Project
9. Wish for Disclosure of Screening Results
10. Project Members

## **II. File Containing the Project Description (items in the 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”.

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

**(1) The section “Purpose of the Research, Research Plan and Methods, and Rationality and Justification of the Budget for Proposed Project”**

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

**(2) Novelty and challenge of the research**

Describe concretely and clearly narrowing the focus on the following points.

- 1) In what way does the current research have novel ideas and a challenging nature?
- 2) Elements which demonstrate that the current research will facilitate the development of new theories, novel ideas and will propose novel methodology, elements which demonstrate that the current research is promising in that it will yield outstanding research achievements if it succeeds, etc.

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

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

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

**(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, scientific glassware and separate printing of research papers/articles, etc., separately, divide them for each fiscal year, and add the total sum.

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

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

2) The applicant should itemize personnel expenditure and remuneration, such as honoraria, compensation, wages and salaries to Research Collaborator(s) (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 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, the Current State of Funding and Effort”**

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

- In the section “(1) the research funding applied for” and “(2) the 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) or Scientific Research in Priority Areas, whether planned research or invited research), and the research period.

(Example 1) Screening division “General” in “Scientific Research” (C) with a research period from FY2011 to FY2014

→ Scientific Research (C) (General) (FY2011 to FY2014)

(Example 2) “Challenging Exploratory Research” with a research period from FY2012 to FY2014

→ Challenging Exploratory research (FY2012 to FY2014)

(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 FY2012 to FY2016

→ Grant-in-Aid for Scientific Research on Innovative Areas (Research in a proposed research area) (Planned Research) (FY2012 to FY2016)

**2) “Title of Proposed Project (name of the Principal Investigator)”**

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

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

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

(*kenkyū-buntansha*).

**4) “Budget for Proposed Project for FY2012 (throughout for the entire period) (in thousands of yen)”**

The applicant should fill in the amount of the direct cost of the research expenditure that he or she will receive and use himself/herself in FY2012 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 FY2012 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. Furthermore, in case the applicant is the researcher who receives the research expenditure of the whole program, like, for example, in the case of a center leader of a “Global COE Program”, he or she should fill in the amount to be received for the whole program in “Differences in the Content of the Research” of the section “Differences in details of research and reasons for additional application for a grant for the current research project”

**5) “Effort”**

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

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

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

**6) “Differences in Details of Research and Reasons for Additional Application for a Grant for the Current Research Project”**

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

Moreover, in case the applicant is the Principal Investigator of the KAKENHI, he or she should complete the total amount of the direct cost for the whole research period. Furthermore, in case the applicant is the researcher who receives the research expenditure of the whole program, like, for example, in the case of a center leader of a “Global COE Program”, he or she should enter the amount for the whole program in the section in question. (see 4 )

**III. Miscellaneous**

The applicant should enter the name of the research institution and the name of the Principal Investigator at the bottom of the page, if required.