

Purpose of the Research

The applicant shall indicate the general nature of the research and the specific purpose of the research, after succinctly summarizing it and providing an outline at the beginning, and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules relating to the screening and evaluation for grants-in-aid for scientific research.]

- 1) Scientific background for the research (e.g., domestic and overseas trends related to the research and positioning of the research; how the applicant has reached the concept based on his or her achievements in earlier research work; and details of achievements of past research work where the purpose of this project is to attain a greater level of knowledge in a similar area)
- 2) What will be elucidated and to what extent will it be pursued during the research period
- 3) Scientific characteristics, originality and expected results and significance of the research in the area
- 4) The Principal Investigator should state the differences in goals, if the research project to be subsidized is related with the present research. If the research project is not related to the present research, the differences in details of research should be stated.

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

Name of the research institution		Name of the Principal Investigator	
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Purpose of the Research (continued)

Research Plan and Method

The applicant should provide details of the research plan and the methods for achieving the objectives of the research in a clear and specific manner, after succinctly summarizing it and providing an outline at the beginning. The plan should be divided into one for FY2010 and one for FY2011. The literature should be referred to as needed and the main points should be highlighted. The plan and methods should indicate achievements through a discussion from different angles, such as the action to be taken in the event that the research does not progress as originally planned. Where the research plan is being implemented by a group, indicate the specific roles of the Principal Investigator (using figures, tables and other visual aids). If necessary, indicate the specific roles of the Research Collaborators [young researchers, graduate students, overseas co-researchers, assistants of research and others (names and number of members may be stated)].

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

Name of the research institution

Name of the Principal Investigator

Research Plan and Method (continued)

Research Plan and Method (continued)

Name of the research
institution

Name of the Principal
Investigator

State of Preparations for the Research Plan

- The following points should be highlighted and stated in a clear and specific manner:
- 1) The current state of research environment, such as research facilities, equipment and materials that are to be used in conducting the research
 - 2) State of Research Collaborators who will be involved as necessary (young researchers and other researchers) (the procedures for recruitment and the selection criteria, if already selected, history of research, academic background and other matters)
 - 3) How the results of the research are disseminated to society and members of the public

Recent Research Activities

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

Titles of Published Research Papers/Articles, Books, and other Publications

(For published research papers/articles, state the title, name(s) of the author(s), name of the journal, performance of referee reading (or not), volume, page numbers of the initial and final pages and year of publication.) (The above-mentioned sequence of such items is not compulsory as long as all of the items are included. If there are many authors, only include some authors omitting the others (if any authors' names are omitted, state the number of the authors and the order on the author list for the related researchers). Underline the name of the Principal Investigator.

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Name of the research institution		Name of the Principal Investigator	
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Recent Research Activities (continued)

Brief Background & Description of the Research

The applicant should fill in the background history of the research, academic background and noteworthy matters (e.g. research achievements and awards) of the Principal Investigator in the sequence of publication from new to old. State the past research work closely related to the present research project in *Purpose of the research* as well.

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Name of the research institution		Name of the Principal Investigator	
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Brief Background & Description of Research (continued)

Research Funding Received and Achievements

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

- 1) For each research funding, state the research category (name of the system for research funding other than grants-in-aid for scientific research), period (fiscal year), title of the research project, whether the applicant is the Principal Investigator or a Co-Investigator (*kenkyu-buntansha*), eligible costs of the research. Also give a clear statement of the research achievements and interim and after-the-fact assessment results (only to be made by the funding organizations). (If there are research progress assessment results for the grant-in-aid for scientific research for FY2008 or in FY2009, they should be described in the section “Connection between the Research Plan and the Research Project which received a Research Progress Assessment” on Grant-in-Aid for Young Scientists S-13.)
- 2) Distinguish between grants-in-aid for scientific research and other research funding.

Name of the research institution

Name of the Principal Investigator

Research Funding Received and the Achievements (continued)

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

- If the Principal Investigator of the current application received a research progress assessment in FY2008 or in FY2009, as a Principal Investigator of “Specially Promoted Research”, “Scientific Research (S)”, or “Grant-in-Aid for Creative Scientific Research”, he or she should describe it in this section.
- The researcher should describe the connection between the research plan and the research project which received a research progress assessment in this section (e.g. what kind of connection is there, how the researcher will advance the research which received a research progress assessment in concrete terms, etc.).

Name of the research institution		Name of the Principal Investigator	
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Grant-in-Aid for Young Scientists S-14

Protection of Human Rights and Compliance with Laws and Regulations (see procedure for application)

Describe the measures and action that you will take if your research involves compliance with the related laws and regulations (e.g. research requiring the consent and the cooperation of the other party when implementing the research plan research requiring consideration for the handling of personal information and research requiring effort 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 samples provided by patients, analysis study of human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate where this is not applicable.

Rationality and Justification of the Research Costs

The applicant should explain the rationality, necessity and grounds for calculating the research costs to be stated on the following page and thereafter, based on the scale and organization of the research given in *Research Plan and Methods*. Indicate the necessity of the cost (e.g. breakdown) if, in any fiscal year of the research project, any of the costs (equipment, travel expenses, personnel (technical assistant, labor cost, etc.), and suchlike) exceeds 90% of the entire research funding, or if there is any other predominant cost.

Grant-in-Aid for Young Scientists S-15

Major Equipment Currently Used (See procedures for preparing and entering the proposal for grant-in-aid for Grant-in-Aid for Young Scientists (S).)

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

Statement of Costs for Equipment (See procedures for preparing and entering the proposal for grant-in-aid for Grant-in-Aid for Young Scientists (S).) (Unit: Thousands of yen)

FY	Items and specifications	Qty	Unit Price	Amount (¥)	Names of Main Users (researchers and institutions)	When to Purchase
2010						

Name of the research institution		Name of the Principal Investigator	
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Grant-in-Aid for Young Scientists S-16

Statement of Costs for Consumables and Other Things

(See procedures for preparing and entering the proposal for grant-in-aid for Grant-in-Aid for Young Scientists (S).) (Unit: thousands of yen)

FY	Consumables		Travel Expenses		Personnel (Technical Assistant, Labor Cost, etc.)		Miscellaneous	
	Item	Amount (¥)	Item	Amount (¥)	Item	Amount (¥)	Item	Amount (¥)
2010			(Domestic)					
			(Overseas)					
	Total		Total		Total		Total	
2011			(Domestic)					
			(Overseas)					
	Total		Total		Total		Total	
2012			(Domestic)					
			(Overseas)					
	Total		Total		Total		Total	
2013			(Domestic)					
			(Overseas)					
	Total		Total		Total		Total	
2014			(Domestic)					
			(Overseas)					
	Total		Total		Total		Total	
	Total		Total		Total		Total	

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the collegial screening when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into account the following: (1) research funding under application, (2) research funding to be granted and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the procedures for preparing and entering the proposal for grant-in-aid for Young Scientists S.

- 1) Fill in *Effort* with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.
- 2) State the title of the research project at the beginning of *Research Funding Applied for*.
- 3) In the case of a grant-in-aid for scientific research for “Scientific Research on Innovative Areas (Research in a proposed research area)” or “Scientific Research on Priority Areas”, the applicant should state whether it is “planned research” or “invited research”.
- 4) Include research funding to be competitively provided by the research institute to which the researcher belongs.

(1) Research Funding Applied for

Funding system, name of research funding and research period (e.g., name of the funding institution)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (<i>kenkyu-buntansha</i>))	Budget for FY2010 (throughout the period) (thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project
Research project for which a grant is applied Grant-in-Aid for Young Scientists (S) (2010-2014)		Principal Investigator			
Name of the research institution			Name of the Principal Investigator		

Application for Research Funding, Current State of Funding and Effort (continued)					
(2) Research Funding to Be Provided					
Funding system, name of research funding and research period (e.g., name of the funding institution)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (<i>kenkyu-buntansha</i>))	Budget for FY2010 (throughout the period) (thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project
(3) Other activities					
<input type="checkbox"/> State the effort for research and educational activities that are carried out as other work than the aforesaid research activities under application or to be funded.					
Total				100 (%)	
(Total of the effort in (1), (2) and (3) above)					