

Outline of “Purpose of the Research” and “Research Plan”

The Applicant should clearly and succinctly summarize and describe the details of the “Purpose of the Research” and the “Research Plan”

※ Keep in mind that in contrast to the document-based screening of the previous Challenging Exploratory Research, the screening will be conducted from multiple perspectives and from a wider range of fields

Challenging Research (Pioneering) - (Outline) 2

Previous research activities and concept details; significance as Challenging Research(Reason for application to this research category)

This research category is meant for applications of challenging research that have the potential of greatly transforming or changing the scientific scheme or direction as it was up to now.

Please describe the following:

- ① The background and details of the research plan based on your previous research activities.
- ② The significance of the research as Challenging Research based on the current scientific situation.
- ③ The applicant's research capabilities.

Research Purpose and Research Plan

The applicant should describe clearly and in detail the following:

- ② The Research Purpose
- ② The Research Plan and Method in order to attain the said Research Purpose (including the respective roles of Researchers and Research Collaborators listed in the “project members”).
- ③ The state of the facilities, equipment, research data etc. used in the research (in case of a significant change in research environment due to transfer or resignation etc. include details on obtaining research facilities and method of research implementation.)

※Keep in mind that in contrast to the document-based screening of the previous Challenging Exploratory Research, the screening will be conducted from multiple perspectives from a wider range of fields.

Research Purpose and Research Plan (continued)

Research Purpose and Research Plan (continued)

Significance as Challenging Research (Reason for application to this research category)

This research category is meant for applications of challenging research that have the potential of significantly reforming or changing the scientific system or direction as it has been up to now. Please describe the following:

- ① The background and details of the research plan based on your previous research activities
- ② The significance of the research as Challenging Research based on the current scientific situation.

Applicant's Research Capabilities

Please describe your research activities and their achievements, to demonstrate your capabilities as a researcher. Since your capability towards Challenging Research will be evaluated from multiple perspectives, it is permissible to also include research activities that do not directly relate to the current research plan.

Protection of Human Rights and Compliance with Laws and Regulations (cf. Application Procedures for Grants-in-Aid for Scientific Research)

Describe the measures and actions 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, research requiring consideration for the handling of personal information and research requiring efforts regarding bioethics and safety measures when implementing the research plan). 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 and interview surveys in which personal information is involved, 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.

(Unit: thousands of yen)

Statement of Costs for Equipment See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for “Challenging Research (Pioneering)”			Statement of Costs for Consumables See Procedures for Preparing and Entering a Proposal for Grant-in-Aid for “Challenging Research (Pioneering)”	
FY	Item and Specifications (Unit price × qty) (Institute where equipment is to be installed)	Amount (¥)	Item	Amount (¥)
2017				

Challenging Research (Pioneering) – 8

(Unit: thousands of yen)

Statement of Costs for Travel Expenses (continued)

See Procedures for Preparing and Entering a Proposal for

Grant-in-Aid for “Challenging Research (Pioneering) ”

FY	Domestic Travel Expenses		Overseas Travel Expenses		Personnel Expenditure and Remuneration		Miscellaneous	
	Item	Amount	Item	Amount	Item	Amount	Item	Amount

Rationality and Justification of the Research Costs

The applicant should explain the rationality, necessity and grounds for calculating the research be stated before and thereafter, based on the scale and organization of the research given in *Research Plan and Method*. Indicate the necessity of the cost (e.g. breakdown) if, in case of research plans where in any of the fiscal years any of the costs like “equipment”, “travel expenses” or “personnel expenditure and remuneration” exceeds 90%, or in the case of research plans with a budget in which expense items under “Miscellaneous” account for a particularly large percentage of the budget in any single fiscal year.

--

To be filled in and attached by the Principal Investigator

Challenging Research (Pioneering) - 9

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 consideration the following points and enter (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. Distinguish between sources of research funding by drawing a line, 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 a Proposal for Grant-in-Aid for “Challenging Research (Pioneering) ”.

- 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) Include research funding to be competitively provided by the research institution to which the researcher belongs.

(1) Research Funding Applied for

Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (<i>kenkyu-buntan sha</i>))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Challenging Research (Pioneering) (2017-____)		Principal Investigator	()		(total budget in thousands of yen)

To be filled in and attached by the Principal Investigator

Challenging Research (Pioneering) - 10

Application for Research Funding, Current State of Funding and Effort (continued)					
(2) Research Funding to be Provided					
Funding system and name of the research funding (research period and name of the funding organization)	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (<i>kenkyu-buntan sha</i>))	Budget for FY2017 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
(3) Other Activities					/
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					