

### 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. *These notes written in italics should be deleted when filling this column.*

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

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**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 FY2021 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 FY2021 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 FY2021

**The original plan at the time of application/adoption and the research accomplishment of the on-going project.**

**The reason for submission of this new proposal.**



**[Proposal of the Researcher Conducting Scientific Research (S) for FY2021 (PI)]**

<b>Researcher (PI)</b>	Name		Date of Birth (age)	( _ years old)
	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**

**\* Note:**

- The description in this column is to explain the feasibility of the research plan. On citing research achievements (research papers, books, patents, invited talks, etc.) they should be given not as an exhaustive list but as supporting evidence to prove the applicant's ability to conduct the proposed research.*
- Sufficient information should be given so that the reviewers can identify the research achievements.*  
*In the case of a research paper, for example, the relevant bibliographic information, including the title of the paper, the author(s), the title and the volume of the journal, the publication year, and the pages of the article should be given.*
- The research papers that can be cited are only those already published or accepted for publication.*
- These notes written in italics should be deleted when filling this column.*

**(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.*

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

**[Proposal of the Researcher Conducting Scientific Research (S) for FY2021 (Co-I)]**

<b>Researcher (Co-I)</b>	Name		Date of Birth (age)	( _ years old)
	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**

**\* Note:**

1. *The description in this column is to explain the feasibility of the research plan. On citing research achievements (research papers, books, patents, invited talks, etc.) they should be given not as an exhaustive list but as supporting evidence to prove the applicant's ability to conduct the proposed research.*
2. *Sufficient information should be given so that the reviewers can identify the research achievements.*  
*In the case of a research paper, for example, the relevant bibliographic information, including the title of the paper, the author(s), the title and the volume of the journal, the publication year, and the pages of the article should be given.*
3. *The research papers that can be cited are only those already published or accepted for publication.*
4. *These notes written in italics should be deleted when filling this column.*

**(2) Co-I's research environments**