

**1. Research Objectives, Research Method, etc.**

This research proposal will be reviewed in the Medium-sized 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 4 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), a concrete description of the role-sharing between the Principal Investigator and the Co-Investigator(s) should be given.

[SUMMARY] \*Describe in about 10 lines

[MAIN TEXT]

[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 2 pages, of (1) applicant's research history leading to the conception of this research proposal, (2) domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field, (3) applicant's hitherto research activities, and (4) preparation status and feasibility of the research plan.

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 "(3) applicant's hitherto research activities".

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[2. Research Development Leading to Conception of the Present Research Proposal, etc. (continued from the previous page)]

**3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s))**

In this column, selected research outputs by the PI and Co-I(s) such as papers, books, patents, and invited talks, should be listed within 2 pages. The list items should be numbered in a chronological (either descending or ascending) order. Papers under submission can be included only if they are already accepted for publication.

For a research paper in an academic journal, the title, author(s), journal, refereed or not, volume, first and last pages, and publication year should be given. (As long as all items of information are given, their order is unimportant.) For a paper with a very long author list, it is permissible to show only the names of principal authors. In that case, write the number of coauthors, and indicate the order of the PI (or Co-I) in the author list (e.g. 3<sup>rd</sup> of 18 authors).

The name of PI in the author list should be doubly underscored, while Co-I(s) should be singly underscored.

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[3. Research Achievements of the Principal Investigator (PI) and Co-Investigator(s) (Co-I(s)) (continued from the previous page)]



**4. 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, 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 and/or interviews 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)”.

**5. 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: (1) the relevant information on the on-going project (for which FY2018 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 FY2018 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 FY2018

**The original plan at the time of application/adoption and the research accomplishment of the on-going project.** \*Describe in about 10 lines.

**The reason for submission of this new proposal.** \*Describe in about 10 lines.