FY2017 Application for “FRIS Program for creation of interdisciplinary research”

Prof. Masaaki Sato

Director of Frontier Research Institute for Interdisciplinary Sciences,

Tohoku University

Outline

One of the objectives of Frontier Research Institute for Interdisciplinary Sciences (FRIS) is adoption and promotion for basic research themes beyond the typical disciplines. FRIS has basic experiment facilities and devices to meet the demand of interdisciplinary studies.

We invite proposals for interdisciplinary themes in order to support the seminal studies of 6 domains of (1) Materials and Energy, (2) Life and Environmental science, (3) Information and Systems, (4) Device technology, (5) Human and Society, (6) Advanced basic science for “FRIS Creative Interdisciplinary Research Program”. Adopted themes for this program are supposed to be leading studies to be developed to "FRIS program to support interdisciplinary research". Submitted proposals are to be under review by FRIS committee.

We encourage application from young researchers but we don’t limit anything about position of research contributors if a research group meets the conditions as mentioned in guidelines.

We appreciate your affirmative application based on new original ideas and new points of view.

Guidelines for applicants

1. Eligible research group for application

A research group should consist of members from more than three of faculties (schools) or institutions in Tohoku University. (You can add another member(s) from other universities.)

1. Research theme

Interdisciplinary studies that can be coordinately carried out by the proposed members.

1. Adoption and Research period

The result of adoption will be informed around the end of June 2017 after careful selection and research duration is 2 fiscal years by March 31st 2019.

1. Research budget

We will provide the research budget up to 1,000,000 yen for each fiscal year. It may reduce depending on results of review at selection.

1. Eligibility and How to apply

Principal researcher (Research representative) should be a member of Tohoku University as assistant professor, lecturer and associate professor. Especially, we encourage application from young researchers.

Applicants should fill in the application form and follow directions. Submit 2 hard-copies to secretariat office of FRIS of following address:

“青A5-3” by document-sending service inside University.

“Aoba6-3, Aramaki, Aoba-ku, 980-8578 Sendai” by postal service.

Deadline is April 21st 2017. Your document should reach FRIS office by the date.

We do not receive any application with different format and submitted after the deadline. Please write the “Application for FRIS Creative Interdisciplinary Research Program” on surface of the envelope.

1. Number of adoption

Around 10 research topics

1. Selection procedure

All of research proposals are to be under review by FRIS committee.

1. Report and Acknowledgements

You mandatory submit working papers with appropriate form after end of each fiscal year. Besides, you should also make a report at the FRIS annual meeting scheduled in each fiscal year.

In case that you publish results obtained in the framework of this program, you acknowledge it as noting that “this research was supported by FRIS Program for creation of interdisciplinary research in Tohoku University”.

1. Treatment

You should take care of management for safety and health, network management, research compliance, and follow all of rule or directions implemented by the university and the departments. If it is apparent that you violate those, we will stop supporting for your research.

1. Others

If you have any questions, feel free to ask Managing and planning section of FRIS:

Prof. Saida, (call extension 92-5752 or e-mail to jsaida@fris.tohoku.ac.jp)

Specially assigned associate professor Suzuki, (call extension 92-4353 or e-mail to suzukik@fris.tohoku.ac.jp).

Application Form

1. Research organization

You should organize a research group composed of the members from more than three of faculties (schools) or institutions in Tohoku University. You can add another member(s) from other universities or organizations. Select research domain from six and put ○ (circle) on it.

1. Research budget

We will provide the research budget up to 1,000,000 yen/year for equipment and/or consumable supplies expenses. It may not cover cost of running expense of laboratory, other expenses that should be allocated to other funding, e.g. expenses of office and stationery supplies. If you would like to add travel expenses, rewards expenses or manpower expenses, please enter the reason in the remarks column.

1. Aim of research, predicting results and significance, and research plan

Prepare a document within 2 pages of an A4 or a letter size paper.

1. Laboratory and a desk

If you would like to use space of laboratory or desk in FRIS, please enter the reason in the remarks column. For use them, rental charge is required.

1. Other grants

If you (research representative) have already got other research grants for related theme, please enter them in the remarks column.

6.　Language

Please use one of the following application forms in English and Japanese. You don’t have to fill them both in English and Japanese.

**Application form-1**

**FRIS Program for creation of interdisciplinary research**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Subject | |  | | | |
| Region | | 1. Material and Energy, 2. Life and Environment, 3. Information and System, 4. Device and Technology, 5. Human and Society, 6. Advanced Basic Science | | | |
| Principal Researcher | | Department (Institution)・Position：  Name（age）　　　　　　　　　　　　　　　　　（　　　　　）　signature: | | | |
| １．Objective（Please describe the interdisciplinary aspect of your subject） | | | | | |
| Organization　（member） | | | | | |
| Name（age） | | | Institution・Position・Research major・E-mail | | Role (subject) |
|  | | |  | |  |
| Budget | | | | | |
|  |  | | Amount　（JPY） | Research space (if necessary) | |
| 1st | [Equipment](http://ejje.weblio.jp/content/equipment)  Consumables | |  | m2  (less than ２２m2) | |
| 2nd | [Equipment](http://ejje.weblio.jp/content/equipment)  Consumables | |  | m2  (less than ２２m2) | |
| Sum | | | (JPY) |  | |

**Application form-2**

|  |
| --- |
| ２．Future vision after period of project  ３．Experimental procedure  ４．Necessity or role of FRIS  ５．Others　（If necessary, ex. Reason of research space in FRIS or Reason for spending a part of budget as a travel fee, if you want） |

**申請書-1**

**学際科学フロンティア研究所　領域創成研究プログラム申請書**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 研究課題名 | | subject | | | |
| 領　　　域 | | (1)物質材料・エネルギー、(2)生命・健康、(3)情報･システム、(4)デバイス・テクノロジー、(5)人間・社会、(6)先端基礎科学 | | | |
| 研究代表者 | | 所属・役職：department, position  氏名（年齢）　name　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　（　age　　才）　signature | | | |
| １．領域創成研究プログラムとしての目的と意義（研究課題の学際性についても記述下さい）  Objectives, purposes and significance (including explanations how the research is interdisciplinary) | | | | | |
| 研　究　組　織　（研究代表者及び研究分担者） | | | | | |
| 氏　名（年齢） | | | 所属研究機関・部局・役職・専門・E-mail | | 役　割　分　担 |
| Name (representative)  Name (contributor)  Name (contributor)  … | | | Organization, Department, Title, Research Field, E-mail  Organization, Department, Title, Research Field, E-mail  Organization, Department, Title, Research Field, E-mail | | Role  Role  Role |
| 研究経費等　（研究費及び研究面積） | | | | | |
|  | 事　項 | | 金額　（単位：千円） | 研究スペース希望面積 | |
| １年目 | 備品  消耗品 | | equipment expenses in unit of thousand JPY  supplies expense in unit of thousand JPY  for the first fiscal year | 居　室 desk m2  実験室　　labo 　　　　　m2  (希望がある場合のみ２２m2以下) | |
| ２年目 | 備品  消耗品 | | equipment expenses in unit of thousand JPY  supplies expense in unit of thousand JPY  for the second fiscal year | 居　室 m2  実験室　　　　　　　　　　m2  (希望がある場合のみ２２m2以下) | |
| 計 | | |  | 計　　　　　　　　　　　　　m2 | |

**申請書-2**

|  |
| --- |
| ２．研究終了後に予定している研究展開について（本所他研究プログラム、外部資金への申請　等）  predicting results and plans after the research period (and application for other programs, grants and so on)  ３．研究計画・方法  research plans and methods in the program  ４．本所利用の必要性  Reasons to apply for FRIS program or how to utilize features of FRIS  ５．備考　（利用希望研究スペース、本課題に関連して申請者が獲得している外部資金、旅費・謝金等への使用理由）  Remarks (reason for lobo or desk if you want to use, related other grants if you got, reason for traveling expenses/rewards expenses if you want to use) |