

FY 2018

Department of Frontier Photonic Science
Center for Novel Science Initiatives (CNSI)
Call for Project Proposals

April 2018
National Institutes of Natural Sciences (NINS)

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(Attached Form) Project Proposal

(Appendix) Commissioned Research Contract (Form)

1. Purpose of the Program

The leading-edge technologies of optical microscope and spectroscopy brought about a breakthrough in various areas of natural sciences in the past and these dramatically accelerated owing to the emergence of novel light sources including lasers and synchrotron radiation in the 20th century. These produce not only tools to unveil the nature of the matters observed but also new technology of their optical control, and allow us to apply the photonic sciences to a broad range of researches. Even in the present, discoveries and elucidation of novel properties of light (including localized light, angular momentum and quantum nature of light) show progress and it is expected to have new developments in optical manipulation and measurement techniques including the development of various super-resolution methods in optical imaging and their wide application in the field of natural sciences.

The Department of Frontier Photonic Sciences, CNSI, NINS is designed to “focus on the unexplored technical application of the novel nature of light, of which principles have been revealed theoretically to a reasonable extent, to various fields of biological, material, and other natural sciences and pioneer and develop emerging new fields” rather than the discovery of new principles relating to the nature of light itself and development of new apparatus based on them. We publicly call for proposals of “joint researches” as pioneering and challenging researches that lead to novel applications of optical methods and development of new technologies based on the inter-disciplinary concepts, and proposals of “symposia” to explore them.

2. Call for Project Proposals

(1) Program

① Joint Research

Pioneering and challenging research that leads to novel applications of optical methods and development of new technologies based on the inter-disciplinary concepts

• Research organization

Research is implemented by the representative investigator who will apply for the project and co-investigator(s) who will cooperate with the research.

② Symposium

Research symposium to explore pioneering and challenging researches that lead to novel applications of optical methods and development of new technologies based on the inter-disciplinary concepts

• Organization

The symposium is chaired by the representative investigator who will propose the symposium.

※ The representative investigator shall be responsible for the whole project as well as the budgetary management.

When accepted, NINS and the research institution to which the representative investigator belongs will conclude a consignment contract for the research (except for the research institutes within NINS), and the joint research or the symposium shall be implemented under the responsibility of the representative investigator and the research institution to which he/she belongs. The applicant should fully understand the purpose of this program before planning the project.

(2) Period of the research project

From the day of the notice of acceptance to March 31, 2019

(Application of the project for the same topic on the next fiscal year and after will be acceptable.)

(3) Eligibility of the applicant

Researchers belonging to a research institution that can implement and manage the project budget

(4) Budget limit

① Joint Research: Up to 3,000,000 JPY per project.

② Symposium: Up to 800,000 JPY per project.

(5) Anticipated number of accepted projects

Several projects

3. Project Expenses

Use of the Expenses

Necessary direct expenses (for goods, travel, honorarium, and other expenses such as for printing and binding, communication and transport, conferences, etc.) can be used for the implementation of this project. When holding the symposium or meetings as part of the project, this budget can be used.

Regarding each expense, please refer to the following notes.

(1) Direct Expenses

① Expense of Goods

Expense for purchasing goods (only supplies are permitted for Symposium).

② Travel Expenses

Expenses for business trips within and outside Japan of the representative

investigator, co-investigator(s), and other research collaborators, and for invitations within and outside Japan.

③ Honorarium, etc.

Expenses for paying honorarium, remuneration, and payment to a temp agency for those who cooperate in the research (data organization, experiment assistance, translation and proofreading, provision of specialized knowledge and skills, etc.)

④ Others

Except for expenses in ① to ③, expenses for implementing research (For example, communication expenses, transport expenses, meeting expenses (except alcohol), printing expenses, binding expenses, etc.)

(2) Indirect Expenses

Basically, we do not afford expenses for the management of research institutes contingent to research implementation (indirect expenses). Consult individually if it becomes a procedural problem.

4. Application Process

(1) Application Forms

Project Proposal

① Joint Research . . . Form 1

② Symposium . . . Form 2

Please download the application form from the following website (website of the Department of Frontier Photonic Sciences) and submit as a Microsoft Word file.

In the case where graphics, etc. are included in the project proposal, submit it along with a PDF file.

<https://> . . .

(2) Submission Method

Applicants should forward the application form to the following via e-mail by no later than 5 p.m. on 20th July, 2018 through the person in charge of the affiliated research institute.

As soon as confirmation of receipt, the section of CNSI will contact the responsible administrative section in the affiliated institute accordingly.

【Where to Send the Application Forms】

Section in Charge of CNSI
Research Support Section
Liaison and Planning Division
Administrative Bureau

NINS

E-mail: cnsi-jimu[at]nins.jp

Tel: 03-5425-1325/2039

(3) Point to consider

The applicant should apply with the attached commissioned research contract form after checking that the contract can be entered into without difficulty.

5. Selection, etc.

The selection of this project will be conducted by the Faculty Meeting of the Department of Frontier Photonic Sciences, CNSI, NINS based on the information in the application. The selection processes shall not be disclosed. (If accepted, information about the acceptance will be disclosed.)

6. Implementation Report and Research Result

(1) Submission of the Implementation Report

The implementation report should be submitted via e-mail by no later than February 28, 2019 (Thursday) or within 30 days from the day following the discontinuation.

(2) Project Result Presentation

The representative investigator will be making a presentation on the project result at the Project Result Presentation meeting to be held in March 2019. Details will be individually announced to the accepted applicants.

(3) Research Result

If publishing the result of the project with research papers, etc., include acknowledgment mentioning that the research result is obtained by the financial support of the project of the Department of Frontier Photonic Sciences, CNSI.

Examples of the acknowledgment:

(和文) 本研究は、大学共同利用機関法人自然科学研究機構新分野創成センター先端光科学研究分野プロジェクト (*****) の助成を受けたものである。

(英文) This work is supported by the Frontier Photonic Sciences Project of the Center for Novel Science Initiatives, National Institutes of Natural Sciences (Grant Number *****)).

The grant number is included in the Notice of Acceptance.

7. Others

If you have any questions about this call for proposals, please contact the following.
(Section in Charge of CNSI)
Research Support Section

Liaison and Planning Division
Administrative Bureau
NINS
Tel: 03-5425-1325/2039
Fax: 03-5425-2049
E-mail: [cnsi-jimu\[at\]nins.jp](mailto:cnsi-jimu[at]nins.jp)

Form 1

Project Proposal (Joint Research)

1. Project Name

2. Representative Investigator

(E-mail Address: _____)

3. Co-Investigator(s)

Name	Affiliation	Job Title	Contact information

4. Project Expenses: _____ yen

(Breakdown)

Expenses of Goods: _____ yen

(Describe details of equipment below)

Travel Expenses: _____ yen

Honoraria, etc.: _____ yen

Others: _____ yen

Details of equipment expenses: (Unit: yen)

Item Name	Specification	Quantity	Unit Price	Amount	Installation Site
Total					

※ Describe items which cost 100,000 yen or more per unit (one piece, or one set).

5. Project Research Period

From the day of the notice of acceptance to March 31, 2019

6. Objectives and Goals (Explain the goals of the project including the background. Total length of this and the next entries should not exceed this page.)

7. Brief Overview (Briefly explain the contents of the proposed research plan.)

8. Detailed Plan (Describe the details of the research plan including the roles of the representative and co-investigator(s), related expenses and other research funds, etc. List closely related publication with the proposal, if there is, at the end. Do not exceed this page.)

9. Person Responsible for Accounting (person in charge and person responsible for administrative affairs)

Name	Affiliation and Job Title	Tel. and Fax Nos.	E-mail Address
(Person in Charge)		Tel: Fax:	
(Person Responsible for Administrative Affairs)		Tel: Fax:	

Notes:

1. The person in charge is the person responsible for accounting involved in this project.
2. The person responsible for administrative affairs is the person who will contact with NINS.

Form 2

Project Proposal (Symposium)

1. Project Name

2. Representative Investigator

(E-mail Address: _____)

3. Project Expenses: _____ yen

(Breakdown)

Supplies Expenses: _____ yen

Travel Expenses: _____ yen

Honoraria, etc.: _____ yen

Others: _____ yen

4. Project Research Period

From the day of the notice of acceptance to March 31, 2019

5. Objectives and Goals (Explain the goals of the project including the background. Total length of this and the next entries should not exceed this page.)

6. Brief Overview (Briefly explain the contents of the proposed research plan.)

7. Expected Participants

Name	Affiliation	Job title	Contact information

8. Person Responsible for Accounting (person in charge and person responsible for administrative affairs)

Name	Affiliation and Job Title	Tel. and Fax Nos.	E-mail Address
(Person in Charge)		Tel: Fax:	
(Person Responsible for Administrative Affairs)		Tel: Fax:	

Notes:

1. The person in charge is the person responsible for accounting involved in this project.
2. The person responsible for administrative affairs is the person who will contact with NINS.

Commissioned Research Contract (Draft)

The entrustor, the National Institutes of Natural Sciences (hereinafter referred to as “NINS”), and the trustee, ●●●●●● University (hereinafter referred to as “●●●●●●”), enter into the commissioned research contract (hereinafter referred to as “this contract”) as described below for the conduct of research in the attached form on the “Project Proposal” (hereinafter referred to as the “proposal”).

(Definitions)

Article 1 In this contract, the terms listed below shall have the meanings defined in the respective items.

- (i) The term “researchers in charge” means the “representative investigator” and the “co-investigator(s)” prescribed in the proposal.
- (ii) The term “representative investigator” means the researcher who belong to ●●●●●● with the responsibility with regard to the execution of research prescribed in the proposal of this contract.
- (iii) The term “co-investigator(s)” means the person(s) other than the representative investigator from among the “researchers in charge” prescribed in Item (i) and person(s) who cooperates with this commissioned research upon obtaining consent from NINS.

(Implementation of the Commissioned Research)

Article 2 NINS shall entrust the implementation of research in the proposal to ●●●●●●.

(Amount of the Commissioned Research Fund)

Article 3 NINS shall pay ●,●●●,●●● yen (including consumption tax and local consumption tax) to ●●●●●● as the commissioned research fund.

The breakdown of the expenses shall be consistent with the proposal.

(Payment of the Commissioned Research Fund)

Article 4 NINS shall make a lump-sum payment in full of the commissioned research fund based on the written request for payment to be issued by ●●●●●● based on this contract.

(Accounting)

Article 5 The accounting of the commissioned research fund shall be conducted by ●●●●●● as provided for in the accounting rules, etc. in the ●●●●●●, keep books, state the status of the income and expenditure, organize and retain documents verifying expenditures, and prepare to provide inspection at the request of NINS.

2. When deemed necessary with regard to this contract, NINS may indicate the reason to ●●●●●● and request an investigation or investigate themselves and ●●●●●● shall cooperate.

3. ●●●●●● shall retain accounting documents of the commissioned research fund used for the implementation of this commissioned research for five (5) years from the year following the year of completion of the commissioned research.

(Ownership of the Supplies etc. Acquired through the Commissioned Research Fund)

Article 6 The ownership of the facilities, supplies, etc. acquired through the commissioned research fund shall belong to ●●●●●●.

(Implementation Report)

Article 7 ●●●●●● shall submit the implementation report pertaining to this commissioned research on February 28, 2019 or within thirty (30) days from the day following the discontinuation.

(Ownership of the Intellectual Property)

Article 8 The copyright of the "implementation report" provided in the preceding Article shall belong to NINS.

2. Intellectual property rights produced as a result of this commissioned research, except for the provisions of the preceding Paragraph shall belong to ●●●●●● or the researchers in charge.

3. ●●●●●● shall report to that effect to NINS without delay when generating intellectual property rights.

4. If intellectual property rights set forth in Paragraph 2 have belonged to ●●●●●●, NINS may use the intellectual property rights without charge with the purpose for academic research.

5. If intellectual property rights set forth in Paragraph 2 have belonged to ●●●●●● and if ●●●●●● is not using the intellectual property rights for a considerable period of time and NINS has requested, ●●●●●● shall grant the rights to use the intellectual property rights to a third party.

6. ●●●● shall obtain the approval of NINS in advance if intellectual property rights were transferred, etc.

(Cancellation, etc. of the Contract)

Article 9 NINS may immediately cancel this contract in the case falling under any of the following items.

(i) In the event that a violation of this contract by ●●●●●● or researchers in charge and an unjust act in relation to the fulfillment of this contract or unauthorized use of the commissioned research fund is found

(ii) In the event that the achievement of the goals of this commissioned research by ●●●●●● or a researcher in charge becomes impossible

(iii) In the event that NINS fails to pay the commissioned research fund by the specified due date, ●●●●●● may cancel this contract.

(Return, etc. of the Commissioned Research Fund)

Article 10 NINS may order ●●●●●● to submit the implementation report pursuant to the provisions of Article 7 after designating a specific date of the cancellation in the event this contract is canceled pursuant to the provisions of Paragraph 1 of the preceding Article and order to return the commissioned research fund in whole or in part.

2. NINS may request the return of the commissioned research fund set forth in the preceding Paragraph in the event that a fact is equivalent to the grounds for cancellation as provided in Paragraph 1 of the preceding Article after the expiration of the research period of this contract.

3. After the end of the period of this contract, in the event that a remaining amount has been generated in the amount of the commissioned research fund, ●●●●●● shall promptly return it.

4. As a result of the cancellation of this contract pursuant to the provisions of Paragraph 1 of the preceding Article, ●●●●●● shall be liable to compensate when ●●●●●● causes damage to NINS or a third party.

(Delinquent Charge)

Article 11 ●●●●●● shall pay the delinquent charge calculated at a rate of 5% per annum with regard to the unpaid amount to NINS according to the number of days from the day following the time limit until the day of the payment if the commissioned research fund was not returned by such time limit set by NINS when returning the commissioned research fund pursuant to Paragraph 1 and Paragraph 2, Article 10.

2. In the case referred to in the preceding paragraph, NINS may remit the whole or part of the delinquent charge when it is found that there are unavoidable circumstances.

(Implementation of an Investigation Pertaining to an Unlawful or Unjust Act or Unauthorized Use of the Commissioned Research Fund)

Article 12 Where a violation of this contract or an unlawful or unjust act or unauthorized use of the commissioned research fund in relation to the fulfillment of this contract (including cases where it is suspected) ●●●●●● shall promptly implement an investigation and report the result to NINS.

(Interest on Refund upon an Unlawful or Unjust Act)

Article 13 ●●●●●● shall, when ordered to return the commissioned research fund pursuant to the provisions of Article 9, Paragraph 1 and Article 10, Paragraph 1, as a result of the investigation under Article 12, pay the interest to NINS calculated at a rate of 5% per annum of the amount of such refund (amount obtained by deducting the amount already paid to a period after cases where a part was paid) according to the number of days from the day of receipt of the commissioned research fund pertaining to the refund until the day of the payment of the refund.

2. In the case referred to in the preceding paragraph, NINS may remit the whole or part of the interest when it is found that there are unavoidable circumstances.

(Security of Confidential Information)

Article 14 NINS or ●●●●●● shall not disclose any confidential information of the other party in the course of conducting this commissioned research to others without written consent in advance.

(Publication of Research Results)

Article 15 Results of this commissioned research shall be published in principle; provided, however, that timing or method of publication shall be determined upon mutual consultation between the parties.

(Compensation for Damages)

Article 16 NINS or ●●●●●● shall compensate for any damages when damages are caused to the other party or the third party as a result of intentional or negligent infringement (including intentional or gross negligent infringement by the representative investigator or other person within the organization engaged in the research under this contract or duties relating thereto).

(Effective Term of Contract)

Article 17 This contract shall be effective for the research period set out in the proposal.
2. Provisions of Article 5, Article 8, Article 10, and Article 14 to Article 19 shall survive termination or cancellation of this contract for the period provided specified in each relevant article or until all matters are extinguished.

(Consultation)

Article 18 The matters not provided for in this contract shall be determined upon consultation between the parties if it is necessary to determine these.

(Jurisdiction)

Article 19 Any dispute which may arise out of or in connection with this contract shall be subject to the jurisdiction of the Tokyo District Court where NINS is located.

IN WITNESS WHEREOF, the parties hereto have executed this contract in duplicate, and each party shall keep one copy of the originals.

_____, 2018

(NINS) 2-21-1 Osawa, Mitaka, Tokyo

