

The Network Joint Research Center (NJRC) for Materials and Devices Application Guidelines for Next Generation Young Researchers Programs FY2025

These guidelines are English translations of an original Japanese guidelines. If any differences in wording or interpretation should occur between Japanese and English, the Japanese guidelines will take precedence.

Introduction

The Network Joint Research Center (NJRC) for Materials and Devices is a system of research institutions established by Research Institute of Electronic Science, Hokkaido University, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Laboratory for Chemistry and Life Science, Institute of Integrated Research, Institute of Science Tokyo, SANKEN, Osaka University, and Institute for Materials Chemistry and Engineering, Kyushu University as a cooperative usage and research center for investigators to conduct joint studies beyond their own institutes.

Since receiving certification of activity authorization as a Joint Usage/Research Center from the Ministry of Education, Culture, Sports, Science and Technology in 2010, the NJRC has vigorously developed activities to promote cooperative research in the area of materials and devices.

The following is the application guidelines for the open call for proposals of Next Generation Young Researchers Programs for FY2025.

Outline of the Program

Graduate students or other students serve as project leaders and carry out joint research to further develop research activities in close collaboration with host faculty members belonging to the following five research areas (research institutes).

Please make sure to obtain an approval of your supervisor and have sufficient discussions with a host faculty member with whom you hope to conduct joint research before applying a project for the open call.

Host Institutes

- Research Institute of Electronic Science, Hokkaido University
: Materials-Light-Life-Mathematics Complex Science Research Area
- Institute of Multidisciplinary Research for Advanced Materials, Tohoku University
: Material Creation and Advanced Measurements Research Area
- Laboratory for Chemistry and Life Science, Institute of Integrated Research, Institute of Science Tokyo
: Materials Histochemical Research Area
- SANKEN, Osaka University
: Nanoscience and Devices Research Area
- Institute for Materials Chemistry and Engineering, Kyushu University
: Substance/Material Functions Research Area

An investigator affiliated with one of the five institutes above will serve as a coresearcher (a host faculty member).

Eligible Applicants

Graduate students, undergraduate students and other students listed below who meet either of the following conditions.

1. Students who are directly supervised by teachers (/researchers) who are conducting or have ever conducted joint research at Network Joint Research Center (NJRC) for Materials and Devices
2. Students who are directly supervised by teachers (/researchers) belonging to the 5 institutes listed above.

*Postgraduates and Students majoring in technical colleges are also eligible for the program as well as Graduate students and undergraduate students.

*After research projects are approved, applicants should obtain permissions for conducting joint research as principal investigators from the institutions they are belonging to. (It is required to submit a compliance certification form with a signature by a head of an institution or a department you are belonging to.)

Research Period

From 1 April 2025 to 31 March 2026

Amount of Research Grant

Around 100,000 yen per a research project.

Research funds can be used for travel expenses, article submission fees, and expendables (such as reagents) which are necessary to conduct joint research.

Research funds are not directly allocated to a principal investigator. After an application becomes approved, guidance on usage of the funds will be provided to an applicant by the host institute. Research funds should be used appropriately in accordance with the guidance.

How to apply

Applications can be made on an online system for NJRC's open calls. As the application form and the manuals are provided only in Japanese, we recommend that you ask your host researcher for help to make an application.

Application period

From 9 January 2025 to 30 January 2025

*When an application cannot be made within the application period with a proper reason, we will accept it even after the period. In that case, please contact a host faculty member or the office staff at each host institutes.

*Applications for Program for Utilization of Facilities and Equipment will be accepted even after the application period when there is a need to use facilities and equipment. In such case, please contact a host researcher or office workers at a host institute.

Notification of a result of an application

Applicants will be notified by email regarding the selection results in late March 2025. Please log in to the application system to confirm your results.

Successful proposals will be posted on the NJRC's website along with principal investigator's names and affiliations.

Submission of a Report on the Research Result

Please submit a report describing the progress and the results of research on the online system for open calls. The report will be published on NJRC's website.

*The closing date for submission is scheduled on the end of March, 2026. Details will be informed as the date approaches.

Publication of the Research Results

When publishing the research results, please write sentences equivalent to 'This work was performed under the Cooperative Research Program of "Network Joint Research Center for Materials and Devices (MEXT)"'.

Handling of Intellectual Property Rights

When intellectual property is created during research, the ownership of intellectual property rights should be promptly discussed among researchers' institutions. In principle, allocations of rights will depend on degree of each researcher's contribution to inventions and so on.

Others

When there is a need to handle radioactive rays in each host institute to conduct joint research, please submit a certificate proving that you have been registered as a person who can handle radioactive rays issued by your affiliated institution.

*In the case your application of research program involves utilization of Research Laboratory for Quantum Beam Science at SANKEN, Osaka University, it is required to apply for an inquiry for safety use of radioactive rays through a website of Research Laboratory for Quantum Beam Science. (<http://osku.jp/z0170>) As the website is provided only in Japanese, please ask your host researcher for help to apply for it.

Certification of NJRC Excellent Student Researcher

Title of NJRC Excellent Student Researcher will be given to applicants whose applications of research projects are approved. Certifications of NJRC Excellent Student Researcher will be also given to them.

Contact

- **Materials-Light-Life-Mathematics Complex Science Research Area**
Research Institute for Electronic Science (RIES), Hokkaido University
N21W10, Kita-Ward Sapporo 001-0021, Japan

TEL : +81-11-706-9202 FAX : +81-11-706-9110

Email : kyoten@es.hokudai.ac.jp

- **Material Creation and Advanced Measurements Research Area**

Institute of Multidisciplinary Research for Advanced Materials, Tohoku University

Katahira 2-1-1, Aoba-ku, Sendai 980-8577, Japan

TEL: +81-22-217-5822 FAX: +81-22-217-5211

Email : tagen.alliance@grp.tohoku.ac.jp

- **Materials Histochemical Research Area**

Laboratory for Chemistry and Life Science, Institute of Integrated Research, Institute of Science Tokyo

R1-32, 4259 Nagatsutacho, Midori-ku, Yokohama, 226-8503, Japan

TEL: +81-45-924-5961 FAX: +81-45-924-5976

Email : cls-njrc@cls.iir.isct.ac.jp

- **Nanoscience and Devices Research Area**

SANKEN (The Institute of Scientific and Industrial Research), Osaka University

8-1 Mihogaoka, Ibaraki, Osaka, 567-0047, Japan

TEL : +81-6-6879-4300 FAX : +81-6-6879-8509

Email : NJRC@sanken.osaka-u.ac.jp

- **Substance/Material Functions Research Area**

Institute for Materials Chemistry and Engineering, Kyushu University

6-1 Kasugakoen, Kasuga-shi, Fukuoka 816-8580, Japan

TEL : +81-92-583-8898 FAX : +81-92-583-8898

Email : kyoten@cm.kyushu-u.ac.jp