

Kanazawa University WPI-NanoLSI 2025 Academic Year Bio-SPMs Collaborative Research Application Guidelines

The Nano Life Science Institute (WPI-NanoLSI), Kanazawa University, is calling for applications for Bio-SPMs collaborative research. These application guidelines are for those who belong to companies. If you belong to a university or research institution, please visit the below link and click 'Application Guideline (for universities and public institutions)'.

<https://nanolsi.kanazawa-u.ac.jp/en/research/applications/bio-spm/>

1. Outline of Call for Research Proposals

1-1 Aims

The research teams at Kanazawa University have engaged in the pioneering development of original Bio-SPM technologies*, including Atomic resolution/3D-AFM (FM-AFM), High-speed AFM, Scanning Ion Conductance Microscope (SICM), and AFM for Cell Measurement, and applied them to the life sciences. Here, we call for applications for collaborative research projects that are carried out by the applicants using our Bio-SPMs, with the cooperation of the WPI-NanoLSI faculty members.

* Please refer to the document, 'Overview of each Bio-SPM technology,' for further information.

<https://nanolsi.kanazawa-u.ac.jp/en/research/applications/bio-spm/>

1-2 Program Details

You will conduct research on nano-life science and related fields using NanoLSI's Bio-SPM as a collaborative research project with NanoLSI host researchers.

*The following samples cannot be accepted.

- Genetically modified organisms at P2 level or higher, pathogenic microorganisms and viruses at BSL level 2 or higher, and other regulated items
- Samples that are prohibited from being brought into Japan if you are applying from overseas.

1-3 Application Eligibility

This program is for researchers and engineers who are affiliated with companies.

* It may be necessary to conclude a collaborative research agreement, etc.

* NanoLSI Associates can apply according to the guidelines for universities and research institutions, even if they are affiliated with a company.

1-4 Research Period

After you are selected, please decide on the visit period by consulting with your host researchers according to your research plan. Please note that it is sometimes difficult to coordinate your visit due to the availability of the host researcher. The available days are Monday to Friday.

1-5 How to Apply

Application Items

Please submit the following three documents to the submission destination.

Form 4	'2025 Academic Year Bio-SPMs Collaborative Research, Application and Collaborative Researcher Approval Form'
Arbitrary Format	'Curriculum vitae for the principal investigator (applicant) only'
Arbitrary Format	'Company Profile'

Please download the form 4 from the website below.

<https://nanolsi.kanazawa-u.ac.jp/en/research/applications/bio-spm/>

Please indicate on the application form if you have pre-consulted with our host researcher.

Application deadline

Applications will be received at any time until **November 28, 2025**

Submission Destination

Nano Life Science Institute, Kanazawa University,

Kakuma-Machi, Kanazawa, 920-1192, Japan.

E-mail: nanolsi_openf01*ml.kanazawa-u.ac.jp

※Please replace the asterisks (*) with @.

1-6 Selection Method and Notification of Results

The NanoLSI director will make a decision after the careful review by the Expert Committee members, and the applicant will be notified of the decision.

* Research applications that match our policy described in "1-1. Aims" will be preferentially approved. It is preferable that applicants have already conducted sample preparations and preliminary experiments, for example, biochemical experiments, test of observation conditions, and microscopic analysis by optical microscope, electron microscope, SPM, etc. However, applications without any preliminary results will also be approved depending on the contents.

1-7 Inquiries Regarding Research Contents

Send an inquiry to the e-mail address below. The inquiry should include the type of Bio-SPMs

you wish to use (either Atomic resolution/3D-AFM (FM-AFM), High-speed AFM, Scanning Ion Conductance Microscope (SICM), and AFM for Cell Measurement). The reply will come from the person in charge of the specific Bio-SPM technology.

E-mail: nanolsi_openf01*ml.kanazawa-u.ac.jp

※Please replace the asterisks (*) with @.

1-8 Fee

Feel free to contact us about the cost.

2. Post-Acceptance Procedures

2-1 Time of implementation

Upon receipt of the acceptance notification, please consult with the host researcher to determine the timing of the visit and submit the itinerary within one month of receiving the notification. (The visit must be completed by March 2026.

2-2 Research Report

An approved researcher has an obligation to report the research results when the research period is over. Using Forms 2 and 3, prepare and submit the research report. The deadline is May 9, 2025. The summary of research results (Form 3) may be publicly posted on the NanoLSI Bio-SPMs Collaborative Research website in 2026 academic year. Please consult with us if you do not wish to publish your report because of industrial use.

Form 2	'2025 Academic Year Bio-SPMs Collaborative Research, Research Report'
Form 3	'2025 Academic Year Bio-SPMs Collaborative Research, Research Report Summar'

Forms 2 and 3 can be downloaded from the Bio-SPMs Collaborative Research website:<https://nanolsi.kanazawa-u.ac.jp/ja/research/applications/bio-spm/>

2-3 When the Research Papers are Published

To measure the effectiveness of this program, we would like to collect the data of research papers published through Bio-SPM Collaborative Research carried out. Therefore, we sincerely hope that the approved researchers will kindly inform us when the research papers are published. In addition, for three years after the research period is over, we would like to ask all the approved researchers every June via e-mail if the research papers through collaborative research were

newly published.

3. Others

When a submitted application is approved, the principal investigator (PI) responsible for the collaborative research and the collaborative partner researchers should be a collaborative researcher of WPI-NanoLSI, Kanazawa University. All members who participate in the approved research project can stay at Kakuma Guest House (<http://guesthouse.w3.kanazawa-u.ac.jp/index.html>). If no room is available at Kakuma Guest House, stay at hotels in downtown.

Supplementary Information

- **Regarding the Birth date, Age, and Gender fields in the Application**

These fields are necessary for statistics in the evaluation report by the Ministry of Education, Culture, Sports, Science and Technology, in which the ages and genders of collaborative researchers must be presented. The information provided will not influence any decisions. In addition, the personal information provided will be handled with the utmost caution.

- **Regarding Filling out the Application**

Add more spaces freely if not enough space is available in the application form. The number of pages can be increased.