

**Faculty Recruitment: Female Only**  
**Assistant Professor (fixed-term contract)**  
**(Hirao Lab. Nano Life Science Institute, Kanazawa University)**

**Institution**

Kanazawa University

**URL of institution or department**

<http://nanolsi.kanazawa-u.ac.jp/en/>

**Department**

Nano Life Science Institute (NanoLSI)

**Institution type**

National university

**Content of job information**

Nano Life Science Institute (WPI-NanoLSI) at Kanazawa University was launched in October 2017, with a support of World Premier International Research Center Initiative (WPI) program by MEXT, Japan. At NanoLSI, we will combine the world's most advanced technologies in bio-scanning probe microscopy (SPM) and supramolecular chemistry to develop novel nanoprobe techniques that allow us to directly image, analyze, and manipulate nanodynamics of proteins, metabolites, and nucleic acids both on the surface of and inside the cell. In addition, through the use of innovative nanoprobe techniques combined with other advanced analytical methods, we aim to achieve fundamental understandings of the nano-level mechanisms underlying basic cellular functions (e.g., cell differentiation/proliferation, stemness, signal transduction, genome dynamics, etc.) and their cancer specific abnormalities. To this end, we will perform detailed comparisons between nanodynamics inside normal and cancer cells. Based on the developed technologies and knowledge acquired through such research works, we will establish a new research field termed "nanoprobe life science," which aims to achieve nano-level understandings of various life phenomena including cancer using advanced nanoprobe technologies.

We are looking for an excellent researcher who can work on the following research subjects as an "Assistant Professor" at NanoLSI.

1. Understanding of molecular mechanisms and biological significance for regulation of cancer and stem cell behavior by nutrients and metabolites.
2. Development of methods for identification, measurement or visualization of important nutrients and metabolites.

[Address of work location and other information]

Nano Life Science Institute, Kanazawa University,  
Kakuma-machi, Kanazawa, Ishikawa 920-1192, Japan

Number of Position:

One

Starting date:

April 1, 2025 or as early as possible if later.

Research field	1	Area	Biology
		Discipline	Biological Sciences
	2	Area	Biological Sciences
		Discipline	Oncology
	3	Area	Medicine, dentistry, and pharmacy
		Discipline	Basic medicine

Job type

Assistant Professor level

Employment status

Full-time (Nontenured)

Qualifications

Applicants must satisfy all the following requirements:

1) Must be female

\*Article 8 of the Equal Employment Opportunity Law. The employment of female faculty members is limited as a measure to actively improve the current situation in which the percentage of female faculty members is considerably low.

2) Ability to conduct research activities in English

3) Experience of Cell Biology and Molecular Biology. In particular, abundant experience and knowledge of Biochemistry and Chemical Biology is desirable.

4) Ability to collaborate with researchers of Chemistry, Bio-SPM and Mathematical/Information Science.

5) Doctoral degree (including equivalent degrees such as a PhD from overseas universities).

Compensation [Details of salary, working hours, holiday, period of employment and insurance, accommodation, etc.]

Assistant Professor (Fixed-term contract)

[Period of employment]

From the earliest possible date on or after April 1, 2025 to March 31, 2027

Negotiation is possible on employment start date.

#### [Start-up research funds]

We will provide million yen in the first year for research funding.

#### [Working Hours]

Working hours are determined according to the Discretionary Labor System for Professional Work (7 hours and 45 minutes per day)

#### [Salary]

Basic pay, 4,200,000 yen (Annualization conversion)

Special allowance, around 1,320,000 yen (Annualization conversion)

Salary will be fluctuated by performance and evaluation after adoption.

#### [Insurance]

According to the rules of Kanazawa University.

<http://www.kanazawa-u.ac.jp/university/administration/regulation/rules> (in Japanese)

#### Application period

November 30, 2024 Deadline for receipt (Evaluation will be performed upon receipt of each application and, if an appropriate candidate is found, this call may be closed in about a month after the offering has started ).

#### Application/selection/notification of result/contact details

##### [Application Documents]

1. CV (including research achievements such as publications, presentations, awards and research grants)
2. Proposal of research at NanoLSI
3. Outline of past research activities
4. Offprints of five major publications

If you have a recommender, a letter of recommendation should be sent separately to the following e-mail address.

Email : [nanolsi-jobs@adm.kanazawa-u.ac.jp](mailto:nanolsi-jobs@adm.kanazawa-u.ac.jp)

- Please send the application documents by e-mail or post.
- If you send your application via email: we cannot receive emails larger than 5 MB, please use an uploader if the size of your email exceeds 5 MB. Please write "Application for Faculty Position (contact person: Prof. Atsushi Hirao)" in the title of the e-mail.
- Please ensure that you provide your contact information including your address, phone number, and e-mail address in your application documents, write "Application for

Faculty Position (contact person: Prof. Atsushi Hirao)" in red on the envelope, and send your documents by registered mail to the following address:

The Administrative Department, Nano Life Science Institute  
Kakuma-machi, Kanazawa, Ishikawa 920-1192, Japan  
Email: nanolsi-jobs@adm.kanazawa-u.ac.jp

- Please note that all application documents will not be returned to you.

[Selection process (selection method and hiring decision), notification of result]

Applicant screening and interview

※We do not cover the travel expenses associated with the interview.

[Contact details (department, official position, name, e-mail address, and phone number of the responsible person)] \* Important

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If you have any questions regarding employment regulations or administrative procedures, please contact the following address.

Kakuma-machi, Kanazawa City, Ishikawa Prefecture 920-1192, Japan  
Nano Life Science Institute, Kanazawa University  
Tel: +81-076-234-4550  
Email: nanolsi-jobs@adm.kanazawa-u.ac.jp

#### Additional information

1) The website below gives information about employment regulation.

<https://nanolsi.kanazawa-u.ac.jp/en/staff/rules/>

2) Kanazawa University is committed to providing a diverse research and educational environment and supporting female researchers. Please refer to the following URL.

<https://ipdi.w3.kanazawa-u.ac.jp>

3) At NanoLSI, many female researchers are actively working on research activities. For details, see the following URL.

<https://nanolsi.kanazawa-u.ac.jp/en/research/diversity/>

(4) Kanazawa University will consider conducting joint research, etc., through crossappointments by matching the fields of expertise if the spouse of the faculty hire is a researcher.

(5) WPI Nano-Life Science Institute provides English-language support as a MEXT World Premier International Research Center Initiative Program site, and about 35% of its researchers are from overseas.