

Kanazawa University WPI Nano Life Science Institute  
Faculty Recruitment: Female Only  
Associate Professor

**Name of Institution**

Kanazawa University

**Institution or Faculty URL**

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

**Name of Faculty**

Nano Life Science Institute (NanoLSI), Kanazawa University

**Type of Organization**

National University

**Job Description**

Tenure-track Associate Professor [Female Only]

WPI Nano Life Science Institute (NanoLSI), Kanazawa University was established in October 2017 as a World-class research center under the World Premier International Research Center (WPI) program of the Ministry of Education, Culture, Sports, Science and Technology (MEXT). At NanoLSI, the world's most advanced bio-SPM (Scanning Probe Microscopy) technology and supramolecular chemistry technology are combined and developed, and we develop nanoprobe technology to directly observe, analyze, and manipulate the dynamics of proteins, metabolites, and nucleic acids in the surface and interior of living cells at the nanoscale. Then, based on these innovative nanoprobe technologies, we aim to fundamentally understand the mechanisms of basic functions of living cells at the nanoscale through the integrated use of knowledge from "cancer" research and computational science.

We are seeking a tenure-track associate professor to promote interdisciplinary research in "nanoprobe life sciences" or related interdisciplinary fields as a Jr. PI (an independent researcher similar to a PI) at the WPI Nano Life Science Institute. The target fields are expected to be "nanometrology," "life sciences," "supramolecular chemistry," "computational science," or related areas. In addition, the associate professor may be asked to be in charge of

education at the Division of Nano Life Science in the Graduate School of Frontier Science Initiative and may also be asked to be in charge of related undergraduate education.

#### Workplace Address

WPI Nano Life Science Institute, Kanazawa University (Kakuma Campus, Kakuma-machi, Kanazawa City, Ishikawa Prefecture, 920-1192, Japan)

#### Recruitment Capacity

One position

#### Type of Work

Full-time, tenure-track (The term of tenure-track will be five years from the date of employment.)

#### Application 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) Must have outstanding research achievements in "nanometrology," "life sciences," "supramolecular chemistry," "mathematical and computational sciences," or related fields, and be willing to promote interdisciplinary research in the above scientific fields, especially "nanometrology," based on those research achievements.

(3) Must have good communication skills in English

(4) Must be able to conduct independent research activities and to manage a team

(5) Must have a doctoral degree (including equivalent degrees such as a PhD from overseas universities)

#### Job Details

[Job Title]

Associate Professor

\*Full-time, tenure-track

The associate professor is assigned as a research professor to concentrate mainly on research activities. (Please refer to the following URL.)

<https://www.kanazawa-u.ac.jp/kiteishu/act/frame/frame110000411.htm> (in Japanese)

### Period of Employment

Five years from the earliest possible date on or after April 1, 2025

- The employment start date is subject to negotiation.
- If a life event, such as childbirth, occurs during the tenure-track term, the tenure-track term can be extended for a certain period of time according to the period of absence from work.

### Working Hours

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

### Salary

An annual salary system is applied, and the amount of the starting salary will be decided based on academic experiences and so on. (Please refer to the following URL.)

<https://www.kanazawa-u.ac.jp/kiteishu/act/frame/frame110000862.htm> (in Japanese)

In addition to the salary, a researcher excellence allowance, generally 1,800,000 JPY per year for an associate professor, will be provided until March 2027. The amount of the allowance will be decided based on research achievements and other factors.

### Reappointment and promotion system

According to the results of the internal review of research achievements, tenure will be granted after it expires. When tenure is granted, promotion to the rank of professor (or associate professor) is generally the case, but based on the review results, the same rank may be applied to the same position.

#### Outline of Criteria for Granting Tenure

- (1) The applicant must be recognized as having particularly outstanding research achievements in the relevant field internationally.
- (2) The research plan, including interdisciplinary research, must be properly planned and accomplished.
- (3) Sufficient competitive research funds must be obtained.

### Research support

In conjunction with the salary, the following support will be provided.

- Start-up research fund : A total of 10,000,000JPY
- Employment of specially appointed assistant professors or postdoctoral fellows : 1 person (term of office is until the end of March 2027)
- Open facilities : Cryo-FIB-SEM, High-Speed AFM, Transmission Electron Microscope (TEM), NMR(600 MHz/400MHz), Atomic resolution/3D-AFM(FM-AFM), Scanning Ion Conductance Microscopy (SICM) etc.

#### Insurance

Enrollment in the Ministry of Education, Culture, Sports, Science and Technology Mutual Aid Association Health Insurance, Employment Insurance, and Workers' Accident Compensation Insurance.

#### Application Deadline

October 31, 2024

#### Application, Selection Details, and Contact Information

[Application]

<Application Documents >

1. Curriculum vitae with a recent photograph of the face, listing present address, phone number, e-mail address, academic career (including the title of doctoral dissertation), research career, professional career, academic affiliations, rewards and reprimands, ORCID ID, Researchmap ID, etc.
2. Research achievements: peer-reviewed papers, conference presentations (categorized into general lectures and invited/special lectures), review articles, commentaries, books, patents, etc., and include the name of the co-author, organization of presentation, volume (issue), first and last page, and year of presentation
3. Offprints of primary published papers (five papers maximum, pdf files are accepted)
4. List of acquisition of external funds such as KAKENHI (Grants-in-Aid for Scientific Research), Commissioned research projects, Joint research projects and Donations, etc. (time period, name of grant, title of education/research, and amount of money should be included)
5. Outline of past research activities (two sheets in free format, A4 or letter)
6. Proposal of research at NanoLSI (two sheets in free format, A4 or letter)
7. Names and contact information of up to two recommenders

If you have letters of recommendation from the above recommenders, please submit them along with the other application documents.

- Please send the application documents by email 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 of Associate Professor" in the title of the email.
- Please ensure that you provide your contact information, including your address, phone number, and email address, in your application documents, write "Application for Faculty Position of Associate Professor" in red on the envelope, and send your documents by registered mail to the following address:

The Administrative Office, Nano Life Science Institute

Kanazawa University

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.

#### [Selection Method and Hiring Decision, and Notification of Result]

Document screening and interview

\*We do not cover the transportation expenses associated with the interview.

#### [Contact Information Regarding Business Content]

Professor (Director) , Takeshi Fukuma

Nano Life Science Institute, Kanazawa University (WPI-NanoLSI)

Tel: +81-76-234-4847

Email: fukuma@staff.kanazawa-u.ac.jp

#### Additional Information

(1) We plan to interview a few candidates in the selection process.

(2) The website below gives information about employment regulations.

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

(3) 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>

(4) Kanazawa University will consider conducting joint research, etc., through cross-appointments 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.