Faculty Recruitment: Assistant Professor (fixed-term contract)
(Shibata 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

We seek an exceptional researcher to pursue the following research subjects as an "Assistant Professor" at NanoLSI.

The Shibata Laboratory specializes in the bio-applications of high-speed atomic force microscopy (HS-AFM).

Representative Papers

1. M. Shibata and H. Nishimasu *et al.*, "Real-space and real-time dynamics of CRISPR-Cas9 visualized by high-speed atomic force microscopy." **Nat. Commun**. 8, 1430 (2017).
2. L. Puppulin *et al.*, "Dynamics of target DNA binding and cleavage by *Staphylococcus aureus* Cas9 as revealed by high-speed atomic force microscopy." **ACS Nano**, 17, 4629-4641 (2023).
3. S. Tsujioka *et al.*, "Imaging single CaMKII holoenzymes at work by high-speed atomic force microscopy." **Sci. Adv**. 9, eadh1069 (2023).
4. S. Morioka *et al.*, "High-speed atomic force microscopy reveals the nucleosome sliding and DNA unwrapping/wrapping dynamics of tail-less nucleosomes." **Nano Lett.**, 24, 5246–5254 (2024).
5. A. Sumino *et al.*, "High-speed atomic force microscopy reveals fluctuations and dimer splitting of the N-terminal domain of GluA2 ionotropic glutamate receptor-auxiliary subunit complex." **ACS Nano** 18, 25018-25035 (2024).

A candidate will join the Shibata Laboratory as a specially-appointed Assistant Professor to participate in the JST ERATO "TOYOTA Plant Sensory Transduction" project (launched in FY2024)[https://www.jst.go.jp/erato/en/research_area/ongoing/jpmjer2403_en.html].
The role involves conducting research on plant contact and odor sensing and signaling

systems using biochemical, molecular genetic, and protein scientific methods, as well as publishing papers. The NanoLSI at Kanazawa University provides a research institute with an outstanding environment supported by the World Premier International Research Center Initiative (WPI). AFM experiments are not required for this position.

[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: January 1, 2026 or as early as possible if later.

Research field	Area	Biological sciences
	Discipline	Biophysics-related
	Discipline	Biology at molecular to cellular levels, and related fields

Job type
Assistant Professor level

Employment status
Full-time（Nontenured）

Qualifications
Applicants must satisfy all the following requirements:
1) Ability to conduct research activities in English
2) Experience in Cell Biology and Molecular Biology. In particular, abundant experience and knowledge of Biochemistry is desirable.
3) 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 January 1, 2026 to March 31, 2030

(Renewal every fiscal year).
Negotiation is possible on employment start date. After the expiration of the employment period, the employment period may be renewed depending on performance.

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

[Salary]
Annual Salary: 4.8 million yen

[Insurance]
According to the rules of Kanazawa University.
http://www.kanazawa-u.ac.jp/university/administration/regulation/rules (in Japanese)

Application period
August 29, 2025 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
   Email：nanolsi-jobs@adm.kanazawa-u.ac.jp
5. Name, affiliation, and contact details of two references

- 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. Mikihiro Shibata)" in the e-mail's title.
- 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. Mikihiro Shibata)" in red on the envelope, and send your documents by registered mail to the following address:

The Administrative Office, 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

Professor Mikihiro Shibata
WPI Nano Life Science Institute (WPI-NanoLSI), Cancer Research Institute, Kanazawa University
Tel: +81-76-264-5927
Email: msshibata @staff.kanazawa-u.ac.jp

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 actively promotes gender equality in the workplace. For details, see the following URL.
https://ipdi.w3.kanazawa-u.ac.jp/cdl/en/

3) At NanoLSI, many female researchers actively work on research activities. For details, see the following URL.
https://nanolsi.kanazawa-u.ac.jp/en/research/diversity/
4) 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.