Assistant Professor（Three-year fixed-term contract）
(Adam S. Foster 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 subject as an "Assistant Professor" at NanoLSI.

1. Biomolecular simulations, with strong links to the experimental bio-scanning probe microscopy efforts to characterize cellular functions at the NanoLSI.

[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: September 1, 2020 or as early as possible if later.

Research field 1 Area Molecular simulation

Discipline Computational biophysics

Job type　　Assistant Professor level

Employment status

Full-time（Nontenured）

Qualifications

Applicants must satisfy all the following requirements:

1) Good knowledge of computational physics methods, simulation software, and programming experience are required. Experience of using atomistic molecular dynamics methods in the context of liquid and biological systems would also be desirable.
2) The candidate must have a high motivation for independent research, show evidence of good written and oral communication skills in English, and enjoy working in an international and cross-disciplinary team.
3) Successful candidates shall have a PhD in Physics, Biology or Chemistry, or related disciplines.

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

Assistant Professor（Three-year fixed-term contract）

[Period of employment]

Three-year fixed-term contract

Note: There is a possibility of the contract being renewed after the expiration of the employment period.

Negotiation is possible on employment start date.

[Start-up research funds]

We will provide 1,000,000 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

August 31, 2020 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

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

- Please send the application documents by e-mail. 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. Adam Foster)" in the title of the e-mail.

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

Applicant screening and online interview

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

Professor Adam Foster
WPI Nano Life Science Institute, Kanazawa University (WPI-NanoLSI)
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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 a gender equality in the workplace. For details, see the following URL: https://cdl.w3.kanazawa-u.ac.jp/en/.

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/.