

**Faculty position, Assistant Professor,  
Biology and Life Sciences Division, the Research Institute  
for Electronic Science (RIES), Hokkaido University**

We would like to inform you that the Research Institute for Electronic Science, Hokkaido University is now recruiting one Assistant Professor as shown below.

- (1) **Position Title:**  
Assistant Professor, one person
  
- (2) **Address of work location and other information:**  
Biology and Life Sciences Division  
Research Institute for Electronic Science (RIES)  
Hokkaido University  
Kita 21 Nishi 10, Kita-ku, Sapporo 001-0021 Japan
  
- (3) **Area of Specialization:**  
In the group of Prof. Hideharu Mikami, we conduct life science-oriented research with a focus on optical imaging. We develop advanced technologies, apply them to life science, and carry out interdisciplinary researches in cooperation with other researchers in and outside the laboratory.
  
- (4) **Qualification:**  
Applicants are required to have a Ph.D. or doctoral degree. The successful candidates will have a strong track record and expertise in one or more of the following fields: optics, information science, and life sciences, and will be willing to collaborate with researchers in different disciplines to conduct interdisciplinary research. We are particularly looking for candidates who can contribute to the development and application of optical measurement and analysis techniques (e.g., fluorescence microscopy, optogenetics) for the nervous system of higher organisms such as mice.  
  
For example, we assume that candidates have experience in the following types of research. However, we prefer candidates who are willing to acquire knowledge and skills in peripheral fields necessary to carry out the research.
  - Research in the field of optics, such as optical microscopy and computational imaging.
  - Research on the analysis of images, neural activity data, etc. in the field of bioinformatics.
  - Research using optical imaging (e.g., fluorescence microscopy) in any field of life sciences.  
In addition, the ideal candidate will be able to communicate smoothly with researchers inside and outside the laboratory, and work in collaboration and cooperation with them.
  
- (5) **Expected Start Date:** March 1<sup>st</sup>, 2022, or later.
  
- (6) **Employment Status:**  
The employment period cannot exceed 5 years from the initial date of hire (Reappointment for 3 years is possible depending on the results of an interim evaluation).
  
- (7) **Probation Period:** three months
  
- (8) **Salary:** The salary will be determined in accordance with the National University Corporation Hokkaido University Employee Salary Rules. If the hiring date is after April 1, 2022, it shall be in accordance with the National University Corporation Hokkaido University Annual Salary System Faculty Salary Rules.

(9) **Working Form:** Discretionary labor system for professional work. The working hours for a day are deemed as 7 hours and 45 minutes.

(10) **Health Insurance:** The Ministry of Education, Culture, Sports, Science and Technology Mutual Aid Association, Employees Pension, Workers' Accident Compensation Insurance and Employment Insurance

(11) **Name of Recruiting Institution:** Hokkaido University

(12) **Measures to Prevent Second-hand Smoke:** Smoking in designated areas only.

**(13) Application Materials:**

1. Curriculum vitae (with a photograph, telephone number, and e-mail and mailing address) including educational records, professional career records, activity records in academic society, and awards.

\*Applicant who has been employed by Hokkaido University from April 1, 2013 (any position, including Part-time Lecturer, Teaching Assistant, Teaching Fellow, Research Assistant and Short-term Support Assistant, etc.) should provide full details of your employment history.

2. Achievements List: journal papers, review papers, books, and others should be listed respectively. All authors, the first and the last pages, with or without peer review should be shown for each publication. Journal papers without peer review should be listed as others. Domestic and international presentations (divided into categories: invited, oral, poster) should be listed respectively.

3. Reprints or copies of up to five significant articles (original papers and/or review articles).

4. Brief statement of applicants research interests and appealing points, including the summary of applicants past and present research (A4 or letter 2-3 pages).

5. Perspectives for future research along research interests in the laboratory of Information Biophotonics (A4 or letter 2-3 pages).

6. Names and contacts (affiliation, telephone number, e-mail address) of those who can hear the reference opinions (three people. Two people are also acceptable when applying for an assistant professor).

7. Other accomplishments (awards, academic society activities, grants).

(14) **Selection:** Document screening and interview

(15) **Deadline:** December 22th, 2021 (must arrive). We may close the application process earlier if a suitable candidate is determined.

**(16) Application:**

Applicants must indicate "Application for Assistant Professor of RIES, Hokkaido University" in red on the envelope and send it to the postal mailing address below. Submitted documents are strictly protected, and we do not use the obtained personal information for any purpose other than the screening. We accept e-mail applications from outside Japan. When applying by e-mail, please use the subject of "Application for Assistant Professor of RIES, Hokkaido University" and attach the application files or send them via a cloud storage.

**(17) Mailing Address and Inquiry:**

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