

2024/8/13

Position Open: Two Postdoctoral Fellows at Hokkaido University, Faculty of Engineering (A Collaborative Project with Google DeepMind)

We are inviting applications for two Postdoctoral Fellow positions at the Laboratory of Structural Inorganic Chemistry at Hokkaido University (Principal Investigator: Associate Professor, Akira Miura). The project will focus on efficiently exploring new solid-state materials in the laboratory and with high-throughput synchrotron X-ray diffraction. The effort is a collaboration with Google DeepMind, which will lead the computation efforts that complement the experiments. This project will tackle the long-term challenge of how computational predictions can be realized experimentally. The primary target materials are new chlorides or others with other unique or excellent properties.

1. Name of Recruiting: Faculty of Engineering Hokkaido University
2. Position and number of openings: Postdoctoral Fellow, two openings
3. Employment Term: From the earliest possible date after Oct 1st, 2024 (negotiable) to March 31st, 2025 (The contract could be renewed till the end of the contract with Google DeepMind but not exceed after March 31, 2029.)
4. Department: (Just after hiring) Faculty of Engineering
(Scope of change) No change expected.
5. Location: Sapporo (Hokkaido University), JAPAN
6. Research Field: Solid-State Chemistry, Materials Chemistry, Crystallography
7. Job description: (Just after hiring) Synthesis of new solid-state materials and characterization by lab XRD and synchrotron XRD, as well as physical properties.
(Scope of change) No change expected.

Essential

- Communication and writing skills in English
- Knowledge of solid-state chemistry or condensed matter physics or crystallography
- Enthusiasm for learning new skills in synthesis and characterization

Plus (but not essential)

- Synthesis experience of solid-state materials
- Characterization experience on crystal structures (Rietveld refinement etc.)
- Coding skills to analyze a large amount of experimental data

8. Qualifications

- (1) PhD degree at the time of appointment
- (2) Excellent Publications in the research field

9. Probation Period: The probation period is one month.

10. Salary: 4,080,000-5,040,000 Japanese yen: Annual Salary System

*The salary will be determined in accordance with the regulations of Hokkaido University.

11. Working Form: Discretionary Labor System for Professional Work based on consent (standard 8:30-17:00, Deemed to have worked 7 hours and 45 minutes in a day.) or Fixed Working Hour System.

12. Health Insurance and Pension: The Ministry of Education, Culture, Sports, Science and Technology Mutual Aid Association Services including Health Insurance, Employee Pension, Workers' Accident Compensation Insurance and Employment Insurance

13. Measures to Prevent Second-hand Smoke: Smoking in designated areas only

14. Application Materials

(1) Curriculum Vitae

*Free format with an attached profile photo of the applicant, the following information should be included: Name, nationality, current address, telephone number and Email address, Date of Birth, academic history, degree(s), license, career history, awards, membership of organizations etc.

*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) List of research activities, including original scientific papers, book chapters, other publications, presentations in scientific meetings, awards, and other relevant activities.

(3) List of major publications (at most three)

* The following information should be included: summary, role, number of citations

(4) Summary of past and current research (One A4 page)

(5) A list of two references (including the names, phone numbers and e-mail addresses)

*All the above application documents must be written in Japanese or English.

15. Application Deadline: Recruitment ends as soon as the employee is decided.

16. Application Submission Files including the documents above should be sent to the following e-mail address: E-mail: amiura AT elms.hokudai.ac.jp *Change AT into @ when sending an e-mail.

*Please put "Application for Postdoctoral Fellows in Miura Group" in the subject box.

*Personal information will be exclusively used for the screening

17. Selection /notification of result:

Please note that an interview may be conducted if necessary. If an interview is required, the applicant is responsible for any travel expenditure.

The faculty member in charge will notify the successful candidate by phone or e-mail.

18. Others

- At Hokkaido University, we actively promote both education and research while fostering diverse human resources and gender-equality. Therefore, we explicitly invite women qualified in this research field to apply.

- As a measure to increase the percentage of female researchers at the University in accordance with Article 8 of the Act on Securing, Etc. of Equal Opportunity and Treatment between Men and Women in Employment, priority will be given to women if they are recognized as having the same competence required for the job based on a fair evaluation.

- The Office of Diversity, Equity, and Inclusion of Hokkaido University is working to promote a research environment in which diverse human resources can play an active role, focusing on human resource development for female researchers and support for balancing research activities and family life.