

Position Open: Postdoctoral Fellow at Hokkaido University
Faculty of Science Department of Chemistry

We are inviting applications for the position of Postdoctoral Fellow in the Theoretical Chemistry Group(<https://wwwchem.sci.hokudai.ac.jp/~theochem/>) as follows.

1. Name of Recruiting Institution

National University Corporation Hokkaido University

2. Position

Postdoctoral Fellow, one opening

3. Employment Term

From the date of hire until March 31, 2023

4. Department

Faculty of Science, Department of Chemistry

5. Location

Sapporo, Hokkaido, Japan (Hokkaido University)

6. Research Field

Materials Informatics, Machine Learning, Network Analysis

7. Job description

We, the Chemical Information Group (Representative: Keisuke Takahashi), are calling for candidates who are interested in conducting chemical data analysis using data science and informatics in relation to the ERATO research project "Intelligence for Chemical Reactions (PI: Prof Satoshi Maeda). In this project, we aim to understand and design chemical reactions by applying materials informatics methods to chemical reaction pathway data and robot synthesis data generated in the ERATO project.

The candidate hired through this call will perform analysis using data analysis, machine learning, and network analysis using data science methods. Experience in data science using Python is desired, but the candidate needs to be familiar with chemistry and chemistry-related research. In accordance with ERATO regulations, the candidate may work up to 20% of the effort rate, if desired. In accordance with ERATO regulations, the successfully chosen candidate may be allowed to engage in research outside of ERATO of up to a maximum of 20% of the effort rate, if desired.

8. Qualifications

- (1) PhD degree(s) at the time of appointment
- (2) Outstanding achievements and publications in the research field
- (3) Efficient communication skills in English for research activities
- (4) Ability to conduct research activities effectively with PI in a team

9. Desired Starting Date

April 1, 2022 or as early as possible after acceptance is notified (yet, still negotiable)

10. Renewal of contract period

Updated every year. Until the end of the longest project (March 31, 2025)

11. Probation Period

The probation period is one month.

12. Salary

Annual Salary System

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

13. Working Form

Discretionary labor system for professional work

*The standard working hours for a day is deemed as 7 hours and 45 minutes.

14. Health Insurance and Pension

Health Insurance, Employee Pension, Workers' Accident Compensation Insurance, and Employment Insurance

15. Measures to Prevent Second-hand Smoke

Smoking in designated areas only

16. Application Materials

(1) Curriculum Vitae

*Free format with an attached profile photo of the applicant, the following information should be included: Name, 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 (each graphical abstract should be embedded in the list), book chapters, other publications, presentations in scientific meetings, awards, and other relevant activities. (Free format)

(3) Summary of past and current research (two A4 page or less)

(4) Statement of proposal for your future research (two A4 page or less)

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

17. Application Deadline

Recruitment ends as soon as the employee is decided.

18. Application Submission

Files including the documents above should be sent to the following e-mail address:

E-mail: keisuke.takahashi AT sci.hokudai.ac.jp

*Change AT into @ when sending an e-mail.

*Please put "Application for Postdoctoral Fellow in (Takahashi group)" in the subject box.

*Personal information will be exclusively used for the screening.

19. Inquiries

Associate Prof. Keisuke Takahashi

E-mail: keisuke.takahashi AT sci.hokudai.ac.jp

*Change AT into @ when sending an e-mail.

20. Others

• At Hokkaido University, we actively promote both education and research while fostering diverse human resources and gender-equality. Therefore, we explicitly invite female researchers 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 female researchers if they are recognized as having the same competence required for the job based on a fair evaluation.

• The Promotion Office of Research environment for Diversity 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. For more information, please visit the Promotion Office of Research environment for Diversity website at the following URL. <https://reed.synfoster.hokudai.ac.jp/>