

**Position Open: Postdoctoral Fellow at Hokkaido University
Institute for Chemical Reaction Design and Discovery**

The Institute for Chemical Reaction Design and Discovery (ICReDD), Hokkaido University, as a global research center based on the "World Premier International Research Center Initiative (WPI)," constructs an international research environment which gathers world-leading researchers and establishes a research environment that integrates computational, information and experimental sciences, in order to establish a new academic field "Chemical Reaction Design and Discovery", to provide substantial knowledge on chemical reactions that efficiently develop chemical reactions and materials for the future necessity, and to sustainably cultivate human resources engaged in the field of "Chemical Reaction Design and Discovery".

We are inviting applications for the position of Postdoctoral Fellow (Mita group), Institute for Chemical Reaction Design and Discovery, Hokkaido University as follows.

1. Name of Recruiting Institution

National University Corporation Hokkaido University

2. Position

Postdoctoral Fellow, 1 opening

3. Employment Term

From the starting date until March 31, 2027
(The contract renewal: No)

4. Desired Starting Date

the earliest date after April 1, 2026 (negotiable)

5. Department

(Just after hiring) Institute for Chemical Reaction Design and Discovery
(Scope of change) No change expected.

6. Location

Sapporo, JAPAN (Hokkaido University)

7. Research Field

Synthetic organic chemistry (development of new chemical reactions, designing catalysts)

8. Job description

WPI-ICReDD is recruiting a postdoctoral researcher to engage in the development of radical reactions driven by computational chemistry. This project aims to establish a reaction-discovery methodology that proposes new chemical transformations based on automated reaction-path exploration using the AFIR (Artificial Force Induced Reaction) method. The successful candidate will design desirable reactions and target molecules from the standpoint of organic chemistry using computational and informatics-based approaches, and will experimentally validate the predicted new reactions through synthetic chemistry. Experience in computational chemistry is preferred; however, strong expertise in a wide range of molecular transformations, including radical reactions, is required.

9. Qualifications

- (1) PhD 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

10. Probation Period

The probation period is one month.

11. Salary

Annual Salary System

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

*No travel expenses will be provided for the assignment or resignation.

12. Working Form

Discretionary labor system for professional work(*) based on the employee's agreement or Fixed working hours system

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

** The leaves will be granted in accordance with the University's rules and regulations.

13. 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

14. Measures to Prevent Second-hand Smoke

Smoking in designated areas only

15. Application Materials (*All documents are necessary.)

(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)

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

16. Application Deadline

January 16th, 2026 (JST)

17. Application Submission

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

E-mail: recruit AT icredd.hokudai.ac.jp

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

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

*Personal information will be exclusively used for the screening.

18. Inquiries

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E-mail: tmita AT icredd.hokudai.ac.jp

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

19. 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. For more information, please visit the Office of Diversity, Equity, and Inclusion website at the following URL.
<https://www.dei.hokudai.ac.jp/en/>