

Open position of Postdoctoral research fellow at the Institute of Multidisciplinary Research for Advanced Materials, Tohoku University

Recruitment:

Two postdoctoral researchers at the Institute of Multidisciplinary Research for Advanced Materials

Summary:

Position:	Specially appointed researchers
Number of Positions	2
Job type:	Fixed term (Five-year term, renewed annually)
Location:	Institute of Multidisciplinary Research for Advanced Materials 2-1-1, Katahira, Sendai, Miyagi, Japan
Qualifications:	<ul style="list-style-type: none">• Doctoral degree upon taking up the post• Native or near-native proficiency in English
Submission:	Google Form https://forms.gle/sCxeBWQuM3Z3ziga8
Application Deadline:	2025. August. 22.
Starting Employment:	At the earliest date after 2025. October 1.

For questions contact

Administrative questions

International Takuetsu team: tagen-takuetsu@grp.tohoku.ac.jp

Questions related to research:

Koji Amezawa: koji.amezawa.b3@tohoku.ac.jp

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Open position of Postdoctoral research fellow at the Institute of Multidisciplinary Research for Advanced Materials, Tohoku University

Recruitment:

Open position: Two postdoctoral researchers at the Institute of Multidisciplinary Research for Advanced Materials. The contract is for 5 years but renewed annually dependent on a positive performance review and in accordance with institutional requirements.

Overview

The Institute of Multidisciplinary Research for Advanced Materials (IMRAM), Tohoku University, is seeking qualified candidates for the position of specially appointed researchers. The selected individual will engage in research activities focused on solid-state ionics and solid-state batteries in close collaboration with Distinguished Prof. Jürgen Janek at Tohoku University and other members of IMRAM. While both research aimed at realizing high-performance solid-state batteries and fundamental research focused on elucidating underlying mechanisms are highly valued, we also welcome candidates with original and innovative research ideas that go beyond.

IMRAM identifies research in solid-state batteries and solid-state ionics as a core area for addressing urgent societal challenges from a multidisciplinary perspective. These challenges include energy sustainability, environmental preservation, and the responsible use of resources. The appointed researcher will play a leading role in the development of new materials and energy conversion devices, in collaboration with Prof. Jürgen Janek, to provide fundamental and transformative solutions to these issues.

The successful candidate will work synergistically with ongoing cutting-edge research at IMRAM, such as the development of novel battery materials (led by Prof. Itaru Homma and Assoc. Prof. Saneyuki Ohno) and advanced operando analysis of materials and devices using synchrotron radiation (led by Prof. Koji Amezawa and Assoc. Prof. Yuta Kimura). The position aims to establish an internationally recognized research hub for next-generation energy technologies through these collaborations. This recruitment is part of a project associated with the "University for International Research Excellence" initiative, for which Tohoku University was the first institution to be certified in Japan.

Qualifications & Submissions

Due to the nature of the position, candidates must have a doctoral degree upon taking up the post and have native or near-native proficiency in English. Distinguished research achievements in the field of solid-state batteries and solid-state ionics will be evaluated by the selection committee.

Please submit documents 1 to 5 listed below as a combined PDF file to Google Form (<https://forms.gle/sCxeBWQuM3Z3ziga8>) by 2025.08.22. (total size 10 MB max).

Please use your name for the file name (ex. “Lastname_Firstname”).

Application documents can be in either English or Japanese.

1. Curriculum vitae (free format with photograph attached)
2. List of research achievements (original papers, proceedings, books/reviews, domestic and international conference presentations, and patents, etc.)
3. List of research funds received
4. Summary of past research activities (2 pages)
5. Reference information from 2 people, including their name, contact details, and relationship with the applicant.

Application Deadline

Application documents must arrive by 23:59 (JST) on August 22, 2025

Selection:

The selection committee may ask shortlisted candidates to give a presentation during the selection process.

Employment will start at the earliest date after 2025.Oct.1.

Welfare:

Successful individuals will be enrolled as a member of the Ministry of Education, Culture, Sports, Science and Technology Mutual Aid Association which will also provide health insurance for any dependents. Tohoku University will also provide pension insurance, employment insurance as well as industrial accident compensation insurance.

Remarks:

- The institution reserves the right not to make an appointment if no candidate meets the required qualifications.
- Tohoku University has established a support system to assist the spouses of qualified faculty members in finding employment opportunities for academic and non-academic jobs within the university. For more information, please contact the recruiting department.
- Tohoku University promotes activities to increase Diversity, Equity and Inclusion (DEI) and encourages people of varied talents from all backgrounds to apply for positions at the university. Tohoku University's website about the DEI Declaration can be found here:
<https://dei.tohoku.ac.jp/en/vision/about/>
- Pursuant to Article 8 of the Act on Securing, Etc. of Equal Opportunity and Treatment between

Men and Women in Employment, Tohoku University shall, as a measure for increasing the presence of women among the academic staff, prioritize the hiring of women deemed qualified for each job opening, based on impartial evaluation.

- Tohoku University has published 'Tohoku University-Live as Who You Are-Guidelines for Gender and Sexual Diversity' to provide explanations and details of how those at the university should respond with respect to diverse sexuality. The purpose of the guidelines is to create an environment in which all students, faculty, and staff respect diverse sexuality in their academic, research, and professional activities.

Please see the Tohoku University Center for Gender Equality Promotion website:

https://dei.tohoku.ac.jp/wp-content/uploads/2023/10/EN_GuideLine.pdf

- Tohoku University has the largest on-campus childcare system of all Japanese national universities. This network comprises three nurseries: Kawauchi Keyaki Nursery school (capacity: 22) and Aobayama Midori Nursery school (116), both open to all university employees, as well as Hoshinoko Nursery school (120), which is open to employees working at Tohoku University Hospital. In addition, Tohoku University Hospital runs a childcare room for mildly ill and convalescent children which is available to all university employees

- See the following website for information on these and other programs that Tohoku University runs to assist work-life balance, to support researchers, and to advance gender equality, including measures to promote childcare leave among male employees.

Center for Diversity, Equity, and Inclusion, Tohoku University Website:

https://dei.tohoku.ac.jp/en/vision/consulting/for_family/

Human Resources and Planning Department website (in Japanese only):

<https://c.bureau.tohoku.ac.jp/jinji-top/external/a-4-kosodate/>