

Call for Faculty Position

Affiliation: Department of Materials Science, Institute of Pure and Applied Sciences, University of Tsukuba

Position: 1 Assistant Professor

Research fields: Experimental studies on quantum physical properties.

Job contents: To promote experimental studies of quantum physical properties related to electron spin resonance (ESR) etc. in organic, perovskite, and inorganic materials etc. In April 2024, Research Center for Organic-Inorganic Quantum Spin Science and Technology (director: Professor Kazuhiro Marumoto) was launched. This research center elucidates the factors that govern the properties, functions, and performance of organic and inorganic materials, devices, composite structural materials, biological materials, earth materials, etc. from a microscopic perspective at the molecular, atomic, and nuclear levels, and conducts quantum spin science and technology research that provides a unified understanding of phenomena. It will develop innovative technologies through the interdisciplinary fusion of micro analysis technology, material synthesis technology, macro analysis technology, and device fabrication technology, and promote interdisciplinary research that goes beyond existing fields. We are looking for an experimental researcher who can analyze various phenomena of the above-mentioned organic and inorganic materials etc. from a microscopic viewpoint in cooperation with the researchers of this research center. In addition to research and research center activities, the successful candidate will be responsible for education in College of Engineering Sciences, School of Science and Engineering, and Subprogram in Materials Science, Master's/Doctoral Program in Engineering Sciences, Degree Programs in Pure and Applied Sciences, Graduate School of Science and Technology (Supported as an ITF Assistant Professor, described below).

Requirements: 1. A PhD or an equivalent degree (or expected to be obtained by the date of appointment).

2. Ability to carry out teaching and research activities in Japanese or English.

3. The candidate must be able to manage the laboratory in cooperation with Professor Kazuhiro Marumoto and strongly promote research and education in the field of quantum physical properties.

4. The successful candidate will be passionate about ESR-based quantum physical materials research and will be enthusiastic and determined to lead innovative research through interdisciplinary fusion of different fields, such as the "Research Center for Organic-Inorganic Quantum Spin Science and Technology" at the University of Tsukuba, and conduct research in the field of quantum physical properties and microanalysis.

5. Previous experience is not required.

Starting date: Earliest possible date after selection (Wish to start by April 1, 2025).

Selection: Document selection and interview.

Period: 1. Three years from the date of appointment (with transition to tenure-track assistant professor). However, after being transferred to a tenure-track assistant professor position, a performance evaluation based on University of Tsukuba regulations will be conducted, and if the candidate is evaluated as meeting certain criteria, he/she will be converted to an assistant professor with no fixed term of office. For more information about the conversion procedure, please feel free to contact us by phone (+81-29-853-5117) or other means.

2. The University of Tsukuba is implementing the following University of Tsukuba ITF Assistant Professor Program to support the career development of outstanding young researchers who are conducting ambitious and challenging research for the future. To improve the research capabilities of ITF assistant professors, compared to regular tenure-track assistant professors at the University of Tsukuba, preferential treatment in terms of on-campus research funding is provided, creating an environment where they can concentrate on challenging research and supporting their career development as researchers. This is an open call to apply for the following University of Tsukuba ITF Assistant Professor Program.

3. If enrolled for a full year, 500,000 yen is allocated for research expenses each year.

*For more information about this program, please contact us.

<https://www.tsukuba.ac.jp/about/jobs-information/pdf/itf-assistantprofessor.pdf>

Salary : 4 million yen to 7 million yen

The amount of salary will be determined in accordance with the relevant regulations of the University based on academic and professional background.

Application Materials:

1. Curriculum vitae (free format, with face photo).
2. A publication list of peer-reviewed journal papers with the number of citations. Peer-reviewed proceedings, books, reviews, commentaries, invited talks, awards, and research grants should also be listed separately.
3. PDF files of up to 5 representative papers in the last five years.
4. Summary of past research achievements (within two A4 sheets).
5. An essay on your future research and education ambitions (within two A4 sheets).
6. Names, affiliation, and contact addresses of two persons who can be reached for comment.
7. Self-Declaration of Specific Categories.
(Form 5; <https://coi-sec.tsukuba.ac.jp/about/specific-categories/>)
8. Consent to Processing and Extraterritorial Transfer of Personal Data under GDPR (EU General Data Protection Regulation) (Only if applicable).
9. Your comments (if any).

Compensation :

- Working conditions will be determined according to the university regulations.
- Working days and hours: Discretionary labor system for professional work.
- The working hours for a day are deemed as 7 hours 45 minutes.
- Days off: Every Saturday and Sunday, National holidays, New Year's holiday season (12/29-1/3).
- Commutation Allowance, housing allowance, etc. paid (calculated by the rules of employment in University of Tsukuba).
- Social insurance, application of employment insurance, and worker's compensation insurance.

Application Deadline: Application materials must arrive no later than 15 November 2024.

Application Document submission method:

JREC-IN Portal Web or registered mail to the contact information below.

Create a single pdf file containing all application documents and apply from the JREC-IN Portal Web. If it is difficult to apply online, please send by registered mail and write "Application for Faculty" in red on the front of the envelope. The submitted documents will be used only for this selection and will not be used for any other purpose. In addition, as a general rule, submitted documents will not be returned.

Inquiries:

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Other Information

1. The University of Tsukuba selects personnel in accordance with the spirit of the “Basic Law for a Gender-Equal Society” and the principles and policies of the “University of Tsukuba Basic Principles and Basic Plan for Diversity”.
2. The University of Tsukuba has established “University of Tsukuba Security Export Control Regulations” based on “Foreign Exchange and Foreign Trade Act,” and conduct strict examination when employing foreign nationals, persons from foreign universities, companies, government agencies, etc., or persons who fall under a specific category.
3. NO smoking on the premises.