

Recruitment of Professor Candidates at the Medical Research Institute

Tokyo Medical and Dental University (TMDU)

The Medical Research Institute at Tokyo Medical and Dental University (TMDU) aims to contribute to the health and welfare of humankind by elucidating the etiology and pathogenesis of intractable diseases and establishing innovative diagnostic, therapeutic and preventive methods by merging the most advanced knowledge and technologies in medicine and the life sciences. We are pleased to announce that we will be recruiting four Professor candidates as described below, and would like to encourage applications from individuals with relevant background and experience. In order to promote gender equality at our institute, at least one of the four candidates will be a female researcher.

Details

1. Research Areas

TMDU will start to act as a Designated National University Corporation (selected by Ministry of Education, Culture, Sports, Science and Technology of Japan, MEXT) from April 2022 and continue to conduct education and research at a world-class level. To this end, the Medical Research Institute plans to reorganize its existing three research divisions into three new research divisions: (1) Visionary Life Science, (2) Advanced Pathophysiological Science and (3) Biological Data Science.

We are looking for four researchers who can actively promote research areas in these three research divisions. Those who have a translational research mindset and an intention of innovations are particularly welcome.

Division of Visionary Life Science

This division will pursue innovative medical research to discover the etiology and elucidate the pathogenesis of intractable diseases. By leveraging cutting-edge life science methods and materials, including ES cells, iPS cells, tissue stem cells, and organoids, this division will lay the foundation for developing novel diagnostic, preventive and therapeutic techniques. We seek researchers with profound knowledge on regenerative medicine, gene therapy, and the repair/construction of tissues/organs using stem cells.

Division of Advanced Pathophysiological Science

This division will specifically target hard-to-treat diseases of the cardiovascular system (intractable arrhythmias, idiopathic cardiomyopathy, intractable vasculitis, etc.), the neuropsychiatric system (neurodegenerative diseases, developmental disorders, etc.), the immune system (infections, autoimmune diseases, immunodeficiency, etc.), and cancers (malignant tumors). The aims of this division are to elucidate the basic mechanisms underlying the pathogenesis of these disorders and to develop new diagnostic and therapeutic methods based on these mechanisms. For this division, we are looking for scientists specializing in cardiovascular medicine, immunology, neurological diseases and/or oncology.

Division of Biological Data Science

This division aims to develop innovative treatments for intractable diseases as well as lifestyle-related diseases and to make personalized medicine a reality, by acquiring genomic, epigenomic, transcriptomic, proteomic and metabolomic data at the organ, tissue and single cell levels and by integrating and analyzing these data using the latest mathematical approaches (including AI). For this division, we are seeking researchers specializing in biodata sciences such as omics, bio-imaging and molecular structural analysis, among other fields.

After the candidate assumes the position of professor, one associate professor or lecturer and one assistant professor may be hired through open recruitment to promote the candidate's research.

2. Employment conditions

Tenured faculty member based on the Employment Regulations of Tokyo Medical and Dental University

Employment status: Full time

Scheduled date of appointment: January 1, 2023 or later

Term of office: Five years from the date of appointment, with the possibility of reappointment upon review.

TMDU promotes gender equality, and in accordance with the provisions of Article 8 of the Equal Employment Opportunity Law (special provisions regarding measures for female workers), this recruitment is being conducted as a measure to proactively improve the current situation where the percentage of female faculty members is considerably low, and as such, at least one of the candidates hired through this recruitment will be female.

We also welcome applications from non-Japanese researchers, researchers who obtained their degree in other countries and researchers who have been involved in education and research in other countries.

Salary: Determined in accordance with the salary regulations of TMDU.

(Salary will be determined in accordance with the regulations of TMDU according to the candidate's academic and professional background.)

- Working hours: Discretionary labor system
Working hours are at the discretion of the worker with the standard working hours from 8:30 to 17:15.
- Under the Discretionary Labor System for Professional Work, you are considered to have worked 7.75 hours.
- Holidays: Saturdays, Sundays, national holidays, year-end and New Year holidays (Dec. 29–Jan. 3)
- Vacations: Annual paid vacations, special vacations, sick leave, etc.
- Social insurance, etc.: Employees will be enrolled in the relevant programs as required by law.
- Health Insurance, Mutual Aid Pension, Unemployment Insurance, Workers' Accident Compensation Insurance
- Other allowances: Paid in accordance with the University's salary regulations, etc., if the conditions for payment are met. Commuting allowance, housing allowance, dependent care allowance, etc.
- Trial period: Trial period (6 months from the date of appointment)

3. Application documents (A4 size)

- (1) Curriculum vitae (free form)
- (2) List of research achievements (free form)
- (3) Status of adoption of competitive research funds, etc. (Please specify the representative and submitting researcher)
- (4) Five reprints of major papers (photocopies are acceptable)
- (5) A 100-word commentary on each of the major papers in (4) above
- (6) Past research activities and directions, and future aspirations (about 500 words each)
- (7) Other special mentions (awards, editorial board members, officers of academic societies, members of public councils, etc.)

4. How to apply

- (1) Applications are to be made online, so please send an e-mail with the following information to the General Affairs Section of the Administration Office (pr.mri.adm@tmd.ac.jp) by May 9, 2022 (Monday), Japan Standard Time.

Information to be included via e-mail

- a. Name and affiliation
- b. Contact information (telephone number and e-mail address)

The subject line of the email should read "Application for the position of Professor at the Medical Research Institute." In addition, please indicate your preferred research area from "Division of Visionary Life Science," "Division of Advanced Pathophysiological Science" and "Division of Biological Data Science " (multiple entries are acceptable).

- (2) After confirming the contents of the e-mail, administrative staff will inform you of the submission method.

- (3) The application documents in (4) above must be submitted by the deadline given in (6) below.

5. Deadline for submission of documents

May 11, 2022 (Wednesday), Japan Standard Time

6. Inquiries

General Affairs Section, Administration Office, Medical Research Institute

Tel: 81-3-5803-4504

Fax: 81-3-5803-0392

E-mail: pr.mri.adm@tmd.ac.jp