

**Specially Appointed Assistant Professor (Full-time) or Specially Appointed Researcher (Full-time) in Premium Research Institute for Human Metaverse Medicine (PRIME), Osaka University**

Outline	The Premium Research Institute for Human Metaverse Medicine (PRIME) has been selected as a research center in FY 2022 <u>World Premier International Research Center Initiative (WPI)</u> sponsored by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in Japan. This research institute aims to create a new scientific field, Human Metaverse Medicine, in which two academic fields—human organoid-based biomedical science and information mathematical science—are combined to understand and provide solutions for chronic diseases. We are looking for either one Specially Appointed Assistant Professor (Full-time) or Specially Appointed Researcher (Full-time) to join and conduct research in the field of Biological informatics at a newly founded team led by Dr. Kenji Kamimoto at PRIME, Osaka University, Japan. The successful candidate will participate in the development of models to predict the dynamics of cell and tissue development and disease.
1. Position	Specially Appointed Assistant Professor (Full-Time) or Specially Appointed Researcher (Full-time)
2. Number of Positions	One
3. Affiliation	Premium Research Institute for Human Metaverse Medicine (PRIME), Osaka University
4. Work Location	Suita Campus (2-2 Yamadaoka, Suita-City, Osaka, Japan)
5. Specialized Field	Information and Mathematical Sciences
6. Responsibilities	The successful candidate will engage in research project on the analysis of biological experimental data using bioinformatics, machine learning, statistics, or mathematical models, as well as the development of novel analytical methods. In particular, the project will involve single-cell omics data, microscopic image data, medical data, and organoid data, and will perform data integration analysis, self-supervised learning, and generative AI. If hired as a Specially Appointed Assistant Professor (Full-time), the candidate will engage educational activities related to the above field.
7. Requirements	Applicants must have: (1) A doctoral degree or equivalent professional expertise and/or achievement in the above field/s (2) Excellent research achievements in the related field/s (3) Business-level or above English and Japanese language proficiency  It is optional but encouraged to have: (1) At least one academic paper using informatics, statistics, or machine learning methods. (2) Experience in writing deep learning and machine learning code in Python. (3) Motivation to conduct research that integrates information, mathematical, AI and other technologies with biology and medicine.
8. Starting Date	After November 1st, 2024 (as soon as possible thereafter)
9. Term of employment	From the starting date to March 31, 2025 *Following completion of the term, the contract may be extended subject to continuity of work and performance evaluation. *The maximum cumulative contract term is 10 years from the starting date, based on “Regulations Pertaining to Contract Period of National University Corporation Osaka University Fixed-term Staff, etc.”
10. Probationary Period	6 months
11. Employment Form	Based on “38. Regulations Pertaining to Working Hours, Holidays and Leave for National University Corporation Osaka University Limited Term Staff” <a href="https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html">https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</a> *The Discretionary Labor System, Special Work Type will be applied with the applicant’s consent. (deemed working hours: 8 hours a day)
12. Salary	Based on “48. Salary Regulations for National University Corporation Osaka University Limited Term Staff (Specially Appointed Staff, etc.) Subject to Annual Salary System” <a href="https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html">https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</a>

	<p>Remuneration: 4,851,900 JPY ~per annum (Monthly payments of one-twelfth of annual salary) *The salary will be decided according to the responsibilities assigned based on the applicants' qualifications and experience. *Commuting allowance is available. *Bonuses and allowances for housing, dependency, and retirement are included in the above-mentioned annual salary and will not be paid separately.</p>
13. Insurance	<p>Medical insurance and employee's pension insurance of the Federation of National Public Service Personnel Mutual Aid Associations, Employment Insurance and Industrial Accident Compensation Insurance</p>
14. Application Documents	<p>Application documents must be written in English or Japanese. 1. A Curriculum Vitae including educational background, work experience, academic and social activities, and possible starting date of appointment, with your ID photo attached. (The format is free.) 2. Publication lists (original papers, review papers, books, patents, presentations at international conferences, etc.) 3. Contact details of a potential referee who can provide opinions about the applicant, including their name, affiliation, position, phone number, and email address. 4. A short summary of conducted research and current interests (within two A4 pages) 5. Reprints of major original papers (1-3 papers) *Personal information in the application documents will only be used for the purpose of screening and hiring procedures and will not be disclosed to any third party.</p>
15. Sending Address and Contact Information	<p>Please submit by e-mail: i-prime-syomu★office.osaka-u.ac.jp (Please replace “★” with @) *Write “Application for Specially Appointed Assistant Professor or Specially Researcher in Biological informatics recruitment” *Attach the application documents in PDF format (with full security countermeasures). &lt;Contact&gt; General Affairs Division, Premium Research Institute for Human Metaverse Medicine (WPI-PRIME), Osaka University TEL: +81-6-6210-8312 e-mail: i-prime-syomu★office.osaka-u.ac.jp (Please replace “★” with @)</p>
16. Application Deadline	<p>September 30, 2024 (Japan Standard Time) * or until the position is filled</p>
17. Selection Process	<p>Document screening will be followed by an interview. Only selected applicants will be notified. Travel and accommodation fees necessary for interviews are to be covered by the applicant. Applicants may request an online interview.</p>
18. Additional Information	<p>Concerning work conditions other than above-mentioned, please refer to “36. Work Regulations for National University Corporation Osaka University Limited Term Staff” and/or related regulations. <a href="https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html">https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</a>  Please note the above-mentioned work conditions are as of the day this employment offer is posted, and subject to change. In principle, there will be no changes to the affiliation, work location, or responsibilities after employment. “Deemed exports” related to security export control are based on “Regulations Pertaining to Security Export Control”. We also particularly encourage applications from female candidates. Osaka University is committed to promoting gender equality and providing various supports for female academic staff members. <a href="http://www.di.osaka-u.ac.jp/en_lp/">http://www.di.osaka-u.ac.jp/en_lp/</a>  *Osaka University campuses and related facilities are smoke-free, except for designated areas.</p>
19. Recruiter	<p>National University Corporation Osaka University</p>

