

**Faculty Position in Premium Research Institute for Human Metaverse Medicine (PRIME),
Osaka University**

Outline	<p>Premium Research Institute for Human Metaverse Medicine (PRIME) has been selected as a research center in the 2022 World Premier International Research Center Initiative (WPI) sponsored by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in Japan. This research institute aims at creating 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 modern diseases related to aging.</p> <p>We are looking for one Specially Appointed Researcher (Full-Time) who can join a newly founded team led by Dr. Nozomu Yachie and Dr. Hideto Mori at PRIME, Osaka University in Japan.</p>
1. Position	Specially Appointed Researcher (Full-Time)
2. Number of Positions	One
3. Affiliation	Premium Institute for Human Metaverse Medicine (PRIME), Osaka University(Mammalian Synthetic Biology Group in the Information and Mathematical Sciences)
4. Work Location	Suita Campus (2-2 Yamadaoka, Suita-City, Osaka, Japan)
5. Specialized Field	Bioinformatics, Computational Systems Biology, Mathematical informatics, Molecular Biology
6. Responsibilities	<p>Combining synthetic biology, CRISPR genome editing, and computational approaches, the Yachie Synthetic Biology group is leading the field of DNA event recording (https://yachie-lab.org/research.html?lang=EN).</p> <p>In this open recruitment, you will be engaged in the research project of the Japan Science and Technology Agency (JST) Strategic Creative Research Promotion Program (CREST) BioDX 'Automation of DNA sequence design and synthesis using conversational AI' (Representative: Hideto Mori). In this project, we will develop an AI tool with large language model that can automatically design appropriate plasmid vectors and genetic circuit sequences through interactive dialogues with researchers, and an automated DNA synthesis platform. We are seeking individuals with expertise in either the life sciences or mathematical informatics who are enthusiastic about acquiring knowledge and skills from the alternate field.</p> <p>PRIME provides an environment for discussion and collaboration with researchers in diverse fields, including organoid modeling and computational biology. Furthermore, through collaboration with the Yachie laboratory at the University of British Columbia and other established international collaborations, the successful candidate will have an opportunity to access a world-leading research network.</p>
7. Requirements	<ul style="list-style-type: none"> - A Ph.D in a field related to the aforementioned responsibilities, such as molecular biology, bioinformatics, informatics, or similar areas. (Candidates expected to obtain their degree by the 2024 academic year may be considered.) - Proficient in programming skills (Python). - Expertise and experience in developing software tools (optional but highly encouraged). - Proficient communication skill in either the English or Japanese language.
8. Starting Date	After July 1st, 2024 (as soon as possible thereafter)
9. Term of employment	<p>From the starting date to March 31, 2025</p> <p>*Following completion of the term, the contract may be extended subject to continuity of work and performance evaluation (the extension limit is March 31, 2029).</p> <p>*The maximum cumulative contract term is based on “Regulations Pertaining to Contract Period of National University Corporation Osaka University Fixed-term Staff, etc.”</p>
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” https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html *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 (Project Appointed Staff, etc.) Subject to Annual Salary System” https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html 6,228,900 JPY per annum. (Monthly payments of one-twelfth of annual salary) 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.
13. Insurance	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
14. Application Documents	1. A Curriculum Vitae including publication lists (original papers, review papers, books, patents, presentations at international conferences, etc...) and contact details of potential referees 2. A short summary of conducted research and current interest (within two A4 pages) *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.
15. Sending Address and Contact Information	Please send the application documents in pdf format to Dr. Hideto Mori (mori.hideto.prime@osaka-u.ac.jp) with the title “PRIME Yachie group recruitment”. Informal inquiries are welcome and should be also addressed to him. *Please Cc to i-prime-syomu@office.osaka-u.ac.jp (General Affairs Division WPI-PRIME) when emailing; *We will send back an acknowledgment email upon receiving the application. *Attach the application documents in PDF format (with full security countermeasures). <Contact> 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
16. Application Deadline	5:00 pm, May 31st, 2024 (Japan Standard Time)
17. Selection Process	Document screening will be followed by an interview. Selected applicants will be notified for it. Travel and accommodation fees necessary for interviews are to be covered by the applicant. Applicants may request an online interview.
18. Additional Information	- 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. https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html 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”.

	<p>- Osaka University is committed to promoting gender equality and providing various support for female academic staff members: we strongly encourage applications from female candidates.</p> <p>https://www.di.osaka-u.ac.jp/en_lp/</p> <p>- Osaka University campuses and related facilities are smoke-free, except for designated areas.</p>
19. Recruiter	National University Corporation Osaka University