

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

Outline	Premium Research Institute for Human Metaverse Medicine (PRIME) has been selected as a research center in the 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 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 chronic diseases. We are looking for one Specially Appointed Researcher (Full-Time) who can join a newly founded team led by Dr Makoto Negoro and Dr Akinori Kagawa at PRIME, Osaka University in Japan.
1. Position	Specially Appointed Researcher (Full-Time)
2. Number of Positions	One
3. Affiliation	Premium Institute for Human Metaverse Medicine (PRIME), Osaka University
4. Work Location	Toyonaka Campus (1-3 Machikaneyama cho, Toyonaka-City, Osaka, Japan)
5. Specialized Field	Physics, Chemistry, Engineering, Biology
6. Responsibilities	Successful candidates will study to visualize metabolism using ultra-sensitive NMR and MRI techniques deep inside the bodies using triplet-DNP. We have started SIP (Cross-ministerial Strategic Innovation Promotion Program) related to triplet-DNP. In the program, we extend triplet-DNP method to apply NMR and MRI by developing hardware and new sample preparation. We are ready to discuss and conduct collaborative research with researchers in the field of regenerative organic synthetic chemistry, or biology and data science. They will also enjoy the opportunity to develop future research areas and to work on challenging but important research themes on medical diagnosis and drug discovery.
7. Requirements	<ul style="list-style-type: none"> <li>- The candidate must have research experience in a field related to the NMR or MRI.</li> <li>- The candidate must have a strong desire and interest in DNP (Dynamic Nuclear Polarization) method, including sample preparation, hardware development, data analysis</li> <li>- Excellent communication skills in English and/or in Japanese.</li> </ul>
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.</p> <p>*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."</p>
10. Probationary Period	6 months
11. Employment Form	<p>Based on "38. Regulations Pertaining to Working Hours, Holidays and Leave for National University Corporation Osaka University Limited Term Staff"</p> <p><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> <p>*The Discretionary Labor System, Special Work Type will be applied with the applicant's consent. (deemed working hours: 8 hours a day)</p>
12. Salary	<p>Based on "48. Salary Regulations for National University Corporation Osaka University Limited Term Staff (Specially Appointed Staff, etc.) Subject to Annual Salary System"</p> <p><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> <p>Remuneration: 4,851,900JPY ~ 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	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	<p>Applications must be written in English or Japanese and include the following,</p> <ol style="list-style-type: none"> <li>1. A Curriculum Vitae (photo attached) *Please use the university form available at the following website. <a href="https://www.osaka-u.ac.jp/en/guide/employment/links">https://www.osaka-u.ac.jp/en/guide/employment/links</a></li> <li>2. A list of research achievements (original papers, review papers, books, patents, presentations in international conferences)</li> <li>3. Original papers (PDF files acceptable)</li> <li>4. Name, affiliation, and contact information of one professional references who are willing to be contacted about the applicant</li> </ol> <p>*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 send by email: kagawa.akinori.prime●osaka-u.ac.jp i-prime-syomu●office.osaka-u.ac.jp</p> <p>*Please replace ● to @ mark.</p> <p>* Write "Application for Specially Appointed Researcher in Negoro Group" in the subject line.</p> <p>*Attach the application documents in PDF format (with full security countermeasures).</p> <p>&lt;Contact&gt; Dr Akinori Kagawa Human Metaverse Medicine (WPI-PRiMe), Osaka University TEL: +81-6-6850-6854 e-mail: kagawa.akinori.prime●osaka-u.ac.jp</p> <p>Please replace ● to @ mark.</p>
16. Application Deadline	May 31, 2024 (Japan Standard Time) * or until the position is filled
17. Selection Process	<p>Document screening will be followed by an interview. Only selected applicants will be notified for it.</p> <p>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></p> <p>Please note the above-mentioned work conditions are as of the day this employment offer is posted, and subject to change.</p> <p>In principle, there will be no changes to the affiliation, work location, or responsibilities after employment.</p> <p>"Deemed exports" related to security export control are based on "Regulations Pertaining to Security Export Control".</p> <p>We also particularly encourage applications from female candidates.</p> <p>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></p> <p>*Osaka University campuses and related facilities are smoke-free, except for designated areas.</p>
19. Recruiter	National University Corporation Osaka University