大阪大学
THE UNIVERSITY OF OSAKA

Faculty Position in Research Institute for Microbial Diseases, The University of Osaka

Outline	The Systems Immunology Laboratory of Professor Daron Standley, Department of Genome Informatics, Research Institute for Microbial Diseases at The University of Osaka undertakes projects at the interface of computational biology, bioinformatics, and structural biology. Our lab specializes in (1) immune repertoire analysis of bulk and single-cell B-cell receptor (BCR) and T-cell receptor (TCR) sequences, including clonal diversity, lineage relationships, and antigen specificity; (2) integrated single-cell analysis combining single-cell RNA-seq with BCR and TCR repertoire data to characterize immune cell populations, functional states, and clonal expansion and differentiation dynamics; (3) bioinformatics pipeline and algorithm development for large-scale immune repertoire data analysis, including the development and optimization of analytical pipelines and novel computational algorithms; and (4) protein structural analysis using AI-based technologies such as AlphaFold 3 to predict the three-dimensional structures of antigen–antibody and TCR–peptide–MHC complexes and characterize intermolecular interactions. Our multicultural and multinational laboratory is seeking an associate professor who has a flexible thinking and can harness the strength of the laboratory's research to develop an independent research program. The successful applicant will be responsible for not only conducting research but also mentoring students and establishing collaborations between research groups. Please see Sysimm.org | Team | Daron M. Standley for more information.
1. Position	Associate Professor
2. Number of Positions	1 (One)
3. Affiliation	Research Institute for Microbial Diseases (Department of Genome Informatics)
4. Work Location	Suita Campus (3-1 Yamadaoka, Suita-City, Osaka, Japan)
5. Specialized Field	Bioinformatics
6. Responsibilities	・Research in the interface of computational biology, bioinformatics, and structural biology ・Educational activities for undergraduate and graduate school students ・Administrative duties related to laboratory management and research safety in the Department of Genome Informatics
7. Qualifications	[Essential] Applicants must have: (1) Doctoral degree (2) Extensive knowledge of genome informatics and an excellent research achievements in the relevant field/fields (3) Business level or above proficiency in Japanese and English
8. Starting Date	August 1, 2027 (or as soon as possible thereafter)
9. Term of Employment	From the starting date to July 31st, 2031 *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 Type	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 and Benefits	Based on “47. Salary Regulations for National University Corporation Osaka University Limited Term Staff Subject to New Annual Salary System” https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html
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	Applications must be written in English or Japanese and include the following 1. A Curriculum Vitae *Please use the university form for educational/research positions available at the following website. https://www.osaka-u.ac.jp/en/news/employ/links 2. A list of research achievements (original papers, review papers, books, patents, presentations at domestic and international conferences) 3. Reprints of major original papers (4 copies, photocopies acceptable) 4. A list and an outline of awards and prizes 5. An outline of research achievements (up to 2 A4 pages) 6. Research plans and a statement of educational aspirations (up to 2 A4 pages) 7. Name, affiliation, and contact information of two professional references who are willing to be contacted about the applicant *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 submit by e-mail: standley@biken.osaka-u.ac.jp (CC: mnishioka@biken.osaka-u.ac.jp) *Write “Application for Associate Professor in Research Institute for Microbial Diseases(Department of Genome Informatics)” in the subject line. *Attach the application documents in PDF format (with full security countermeasures). Contact Person: Professor Daron M. Standley (Secretary: Mayumi Nishioka)
16. Application Deadline	March 31, 2027 or until the position is filled (Japan Standard Time)
17. Selection Process	Shortlisted candidates will be invited to an interview at The University of Osaka. Selected applicants will be notified within two weeks from the date we receive the application documents*Travel and accommodation expenses necessary for interviews are to be covered by the applicant. For applicants residing overseas, the applicant may request an online interview. *Please note that unsuccessful applicants will not be contacted.
18. Additional Information	Concerning work conditions other than the 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”. Rules and Regulations － The University of Osaka We also particularly encourage applications from female candidates. The University of Osaka is committed to promoting gender equality and providing various supports for female academic staff members. http://www.di.osaka-u.ac.jp/en_lp/ The University of Osaka is committed to creating a harassment-free environment and conducts a variety of awareness-raising and educational activities. If you have any concerns or become aware of any inappropriate behavior, remarks, or treatment, please feel free to contact our consultation office. https://www.osaka-u.ac.jp/en/campus/life/prevention_sh/prevention_sh *The University of Osaka campuses and related facilities are smoke-free, except for designated areas.
19. Recruiter	National University Corporation Osaka University