

Research Institute for Microbial Diseases, The University of Osaka

Outline	We study the virulence mechanisms of enteric bacterial pathogens, including <i>Vibrio</i> species and pathogenic <i>Escherichia coli</i>. By integrating a wide range of approaches—from epidemiology to molecular biology—we aim to (i) uncover the factors driving pandemic, (ii) establish novel models for analyzing virulence mechanisms, (iii) identify virulence factors and characterize their functions, and (iv) clarify the regulatory mechanisms that control their gene expression. Specifically, we are actively investigating the mechanisms underlying infection establishment and disease development using animal models; elucidating pathogen–host interactions at the molecular level using human intestinal organoids and single-cell RNA sequencing (scRNA-seq); and understanding phage–pathogen–natural environment interactions. We are also actively developing novel infection models and analytical technologies based on these research platforms. Building on these findings, we also strive to translate our knowledge into innovative therapeutics and vaccines that do not rely on conventional antibiotics, as well as strategies for infection control. We are now seeking an Assistant Professor who is enthusiastic about research and educational activities.
1. Position	Assistant Professor
2. Number of Positions	1 (One)
3. Affiliation	Research Institute for Microbial Diseases (Department of Molecular Bacteriology)
4. Work Location	Suita Campus (3-1 Yamadaoka, Suita-City, Osaka, Japan)
5. Specialized Field	Bacteriology
6. Responsibilities	· Research in the areas described above. · Educational activities for undergraduate and graduate school students
7. Qualifications	[Essential] Applicants must have: (1) A doctoral degree (2) Excellent research achievements in the related field/s (3) Proficiency in Japanese or English at a level that does not interfere with work responsibilities
	[Preferred] Applicants with experience of supervising students at undergraduate and graduate level and overseas research experience
8. Starting Date	January 1, 2027 or as soon as possible thereafter
9. Term of Employment	3 years from the starting date *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” 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 3 major original papers (PDF or DOI information). 4. Summary of previous research and educational activities (within two A4 pages). 5. A research plan and educational aspirations (within two A4 pages) 6. Name, affiliation, and contact information of two professional referees 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 send the application documents as email attachments to the following address: kodama@biken.osaka-u.ac.jp Email subject: “Application for faculty position (Assistant Professor) in Research Institute for Microbial Diseases (Department of Molecular Bacteriology)” Please ensure that adequate security measures are taken for the attached files. Contact Toshio Kodama, Department of Molecular Bacteriology, Research Institute for Microbial Diseases, University of Osaka Phone: +81-6-6879-8286 Email: kodama@biken.osaka-u.ac.jp
16. Application Deadline	October 30, 2026 (Japan Standard Time) or until the position is filled
17. Selection Process	Document screening will be completed and successful candidates will be notified within two weeks after the application deadline. Notification about the interview will be given only to the applicants who pass the document screening. • Travel and accommodation expenses for interviews must be borne by the applicant. • Applicants residing in remote areas or overseas may request an online interview. • Only applicants who pass the document screening will be contacted regarding the interview. • Please note that we do not notify applicants who do not pass the document screening.
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. <u>The University of Osaka</u> is committed to promoting gender equality and providing various supports for female academic staff members. http://www.di.osaka-u.ac.jp/en_lp/ *<u>The University of Osaka</u> campuses and related facilities are smoke-free, except for designated areas.
19. Recruiter	The University of Osaka