

**Faculty Position in the Center for Quantum Information and Quantum Biology,  
Osaka University**

Outline	The Center for Quantum Information and Quantum Biology (QIQB) at Osaka University has been working on a research and development project, "Fault-tolerant Quantum Computing with Photonically Interconnected Ion Traps" (PM: Hiroki Takahashi, Okinawa Institute of Science and Technology Graduate University), for the Moonshot Goal 6, "Realization of a fault-tolerant universal quantum computer that will revolutionize economy, industry, and security by 2050" of the Cabinet Office's Moonshot R&D Program. This project focuses on ion traps as hardware that can realize a quantum computer and aims to develop technology for a fault-tolerant general-purpose quantum computer using ion traps to achieve the Moonshot Goal 6. The center is seeking a person who can work on the research and development of the project's subject "Fundamental Technology for Cloud Computing of Ion Trap Quantum Computers" (Project Leader: Prof. Kenji Toyoda) and promote this project smoothly and strongly to achieve the goal.
1. Position	Specially Appointed Associate Professor (Full-Time)
2. Number of Positions	1 (One)
3. Affiliation	Center for Quantum Information and Quantum Biology
4. Work Location	Toyonaka Campus (1-2 Machikaneyama-cho, Toyonaka-City, Osaka, Japan)
5. Specialized Field	Quantum electronics, Quantum physics, Quantum information science
6. Responsibilities	The employee is expected to work on the following research and development projects promoted by the subject "Fundamental Technology for Cloud Computing of Ion Trap Quantum Computers" (Project Leader: Prof. Kenji Toyoda): Significantly improving the reliability of basic ion control techniques and make them remotely feasible for experimental manipulations; realizing a quantum computer using qubits in the internal state of ions and develop an environment in which the computer can be operated remotely.
7. Qualifications	[Essential] Applicants must have: (1) The will to work full-time business execution as above with responsibility (2) Cooperativeness for organizational business execution and communication ability to negotiate with other organizations (3) Motivation to improve their own specialty (4) Excellent research achievements in the related field/s
	[Preferred] (1) A doctoral degree (No matter what your specialty) (2) Ability to speak Japanese and English at a level that does not interfere with work execution. (3) Work experience on project management in education and research institution or corporate
8. Starting Date	July 1, 2022(or as soon as possible thereafter)
9. Term of Employment	From the starting date to March 31st, 2023 *Following completion of the term, the contract may be extended subject to evaluation (the extension limit is 10 years from the starting date).
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”  <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 (deemed working hours: 8 hours a day)</p>
12. Salary and Benefits	<p>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>  Remuneration: 7,537,200 JPY ~ per annum. (Monthly payments of one-twelfth of annual salary)  *It will be decided according to the responsibilities assigned based on the applicant’s qualifications.  Commuting allowance  *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>Applications must be written in English or Japanese and include the following</p> <ol style="list-style-type: none"> <li>1. A Curriculum Vitae  *Please use the university form for educational/research positions 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 at international conferences)</li> <li>3. A list and an outline of awards and prizes</li> <li>4. An outline of research and education achievements (within two A4 pages)</li> <li>5. A research plan and educational aspirations (within two A4 pages)</li> <li>6. Name, affiliation, and contact information of two professional referees who are willing to be contacted about the applicant</li> <li>7. Copies of English proficiency certificate such as TOEFL, IELTS, TOEIC scores, a description of periods of residency outside Japan that demonstrate your English ability, or English related job experiences</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.  *Application documents submitted by postal service will not be returned.</p>
15. Sending Address and Contact Information	<p>Please submit by e-mail:  ion_recruit☆qiqb.osaka-u.ac.jp (Please convert “☆” into “@” )  *Write “Application for Specially Appointed Associate Professor (Full-Time) in Center for Quantum Information and Quantum Biology” in the subject line.  *Attach the application documents in PDF format (with full security countermeasures).</p> <p>If any difficulty in submitting by e-mail, please submit by postal service:</p> <p>Attention: Professor Kenji Toyoda  Center for Quantum Information and Quantum Biology, Osaka University  Interdisciplinary Research Building 611,  1-2 Machikaneyama-cho, Toyonaka-City, Osaka, Japan</p> <p>*Please write “Application for Specially Appointed Associate Professor (Full-Time) on the front of the envelope in red ink.  *Applications should be sent by registered mail.</p> <p>Contact Person: Professor Kenji Toyoda  E-mail: ion_recruit☆qiqb.osaka-u.ac.jp (Please convert “☆” into “@” )</p>

16. Application Deadline	May 18,2022 (Japan Standard Time) or until the position is filled
17. Selection Process	<p>Document screening will be followed by interviews. Selected applicants will be notified.</p> <p>*The applicant may request an online interview.</p> <p>*Travel and accommodation fees necessary for interviews are to be covered by the applicant.</p> <p>*Please note that unsuccessful applicants will not be contacted.</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>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.danjo.osaka-u.ac.jp/en_lp/">http://www.danjo.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