

Faculty Position in the Graduate School of Science, Osaka University

Outline	<p>The Laboratory for Surface Chemistry, Department of Chemistry, Graduate School of Science, Osaka University is seeking an academic staff member who has a cooperative attitude and can contribute to developing and harnessing the strength of the laboratory's research. Here, we aim to create molecular functions by controlling the reactions of molecules on surfaces and in nano-sized devices. This research will involve various surface science techniques, such as scanning probe microscopy and electron spectroscopy, as well as device fabrication and characterization techniques. The molecular reactions carried out demonstrate responses very similar to those in the case of neuronal functions, such as plasticity, firing, stochastic gating, and fluctuation, which are called neuromorphic functions. We will elucidate the basic physical properties of the reaction mechanisms of these molecular functions, and thereby aim to develop the theory of new destination for them. Although programming knowledge and experience are not essential requirements, we welcome candidates who can handle various calculations and simulations, such as molecular orbital and/or neural network calculations. The chosen candidate will be responsible for not only conducting research but also teaching liberal arts and other subjects at undergraduate and graduate levels. For the teaching, proficiency in Japanese at the level of everyday conversation is imperative. Inquiries regarding this position are welcome.</p>
1. Position	Assistant Professor
2. Number of Positions	1 (One)
3. Affiliation	Graduate School of Science Department of Chemistry
4. Work Location	Toyonaka Campus (1-1 Machikaneyama-cho, Toyonaka, Osaka, Japan)
5. Specialized Field	Physical Chemistry, Surface science, Molecular science, Nanotechnology.
6. Responsibilities	<ul style="list-style-type: none"> · Research in the areas described above. · Educational activities for undergraduate and graduate school students · Administrative jobs in Graduate School of Science and Osaka University.
7. Qualifications	<p>[Essential]</p> <p>Applicants must have:</p> <p>(1) A doctoral degree or equivalent professional expertise and/or achievement in the above field/s</p> <p>(2) Excellent research achievements in the related field/s</p> <p>(3) Business level or above Japanese language proficiency</p>
8. Starting Date	November 16 th , 2021 (or as soon as possible thereafter)
9. Term of Employment	No Fixed Term (The University operates a retirement age)
10. Probationary Period	6 months
11. Employment Form	<p>Based on "6. Regulations Pertaining to Working Hours, Holidays and Leave for National University Corporation Osaka University Staff"</p> <p>https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</p> <p>*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 "18. Salary Regulations for National University Corporation Osaka University Staff Subject to New Annual Salary System"</p> <p>https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</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> <p>1. A Curriculum Vitae</p> <p>*Please use the university form for educational/research positions available at the following website.</p>

	<p>https://www.osaka-u.ac.jp/en/news/employ</p> <ol style="list-style-type: none"> 2. A list of research achievements (original papers, review papers, books, patents, presentations at international conferences) 3. Reprints of major original papers (if submit by postal service 4 copies, photocopies acceptable) 4. A list and an outline of awards and prizes 5. An outline of research and education achievements (within two A4 pages) 6. A research plan and educational aspirations (within two A4 pages) 7. Name, affiliation, and contact information of two professional references who are willing to be contacted 8. 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 <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 submit by e-mail:</p> <p style="text-align: center;">akai@chem.sci.osaka-u.ac.jp</p> <p>*Write “Application for faculty position Assistant Professor in laboratory of Surface Chemistry” 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 style="text-align: center;">Attention: Assistant Professor Graduate School of Science, Osaka University 1-1 Machikaneyama, Toyonaka, Osaka 560-0043, JAPAN</p> <p>*Please write “Application for faculty position Assistant Professor in laboratory of Surface Chemistry” on the front of the envelope in red ink. *Applications should be sent by registered mail. *Submitted application documents will not be returned.</p> <p>Contact Person: Professor AKAI Megumi Tel: +81-6850-6082 E-mail: akai@chem.sci.osaka-u.ac.jp</p>
16. Application Deadline	September 30, 2021 (Japan Standard Time)
17. Selection Process	<p>Document screening will be followed by interviews. Selected applicants will be notified within two weeks after the application deadline.</p> <p>*Travel and accommodation fees 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.</p>
18. Additional Information	<p>Concerning work conditions other than the above-mentioned, please refer to “3. Work Regulations for National University Corporation Osaka University Staff” and/or related regulations.</p> <p>https://www.osaka-u.ac.jp/en/guide/information/joho/kitei_shugyou.html</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.</p> <p>http://www.danjo.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