

**Faculty Position in the Graduate School of Engineering Science,  
The University of Osaka**

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| Outline                | <p>The Molecular Fluid Dynamics Group, Division of Mechanical Engineering, Department of Mechanical Science and Bioengineering, Graduate School of Engineering Science, The University of Osaka, is engaged in creating innovative biological measurement and analysis technologies based on micro-/nano-fluid dynamics.</p> <p>Our ongoing research includes cochlear implant devices utilizing nano-vibrations of piezoelectric thin films, biomolecular reaction measurements at solid-liquid interfaces using electronic measurements and AFM observation, and ultra-sensitive biosensors based on 2D nanomaterials that are highly sensitive to surface properties. We are looking for individuals who can drive significant advancements in our research through flexible thinking. No prior experience is required in our research fields, as long as you are open to exploring new research areas. We welcome inquiries about our research and policies.</p> <p>In addition to research and education at the graduate school, the successful candidate will also be responsible for teaching liberal arts, undergraduate courses, and all-university courses.</p> <p>For more information about the faculty, please refer to the following websites:</p> <p>Department of Mechanical Science and Bioengineering<br/> <a href="http://www.me.es.osaka-u.ac.jp/msb_en/">http://www.me.es.osaka-u.ac.jp/msb_en/</a><br/>         Mechanical Science Course<br/> <a href="http://www.me.es.osaka-u.ac.jp/msc/en/index.html">http://www.me.es.osaka-u.ac.jp/msc/en/index.html</a><br/>         Molecular Fluid Dynamics Group (Kawano Lab.)<br/> <a href="https://bnf.me.es.osaka-u.ac.jp/english/index_en.html">https://bnf.me.es.osaka-u.ac.jp/english/index_en.html</a></p> |
| 1. Position            | Assistant Professor   |
| 2. Number of Positions | 1 (One)   |
| 3. Affiliation         | Graduate School of Engineering Science<br>(Department of Mechanical Science and Bioengineering)   |
| 4. Work Location       | Toyonaka Campus (1-3 Machikaneyama, Toyonaka City, Osaka, Japan)  |
| 5. Specialized Field   | Micro-/nano-fluid dynamics in a broad sense, nano/micro sciences including semiconductor processes, and biochemistry, including molecular biology.  |
| 6. Responsibilities    | <ul style="list-style-type: none"> <li>· Research related to the specialized fields mentioned above.</li> <li>· Educational and research guidance for undergraduate and graduate students in the specialized fields mentioned above.</li> <li>· Administrative duties and management tasks in the Graduate School of Engineering Science and the University of Osaka.</li> </ul>  |
| 7. Qualifications      | <p>[Essential]</p> <p>Applicants must have:</p> <p>(1) A doctoral degree (or expected to obtain one by April 1, 2025) or equivalent professional expertise and/or achievements in the above fields.</p> <p>(2) Substantial research achievements in one of the related fields.</p> <p>(3) Proficiency in Japanese and English at a level sufficient to perform work tasks without difficulty.</p>   |
| 8. Starting Date       | April 1, 2025 (or as soon as possible thereafter)   |
| 9. Term of Employment  | <p>From the starting date to March 31, 2030</p> <p>(or until March 31, 2028, if the candidate does not hold a doctoral degree. In this case, following the completion of the term, the contract may be extended subject to continuity of</p>  |

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|   | <p>work and performance review. The maximum cumulative contract term is until March 31, 2030.)</p> <p>*Based on the “Regulations Pertaining to Contract Period of National University Corporation The University of Osaka 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 The University of Osaka 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 and Benefits                     | <p>Based on “47. Salary Regulations for National University Corporation The University of Osaka Limited Term Staff Subject to New 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>   |
| 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 submitted in either English or Japanese and include the following:</p> <ol style="list-style-type: none"> <li>1. A Curriculum Vitae</li> </ol> <p>*Please use the university-provided form for educational/research positions, which can be downloaded from the following website:</p> <p><a href="https://www.osaka-u.ac.jp/en/news/employ/links">https://www.osaka-u.ac.jp/en/news/employ/links</a></p> <ol style="list-style-type: none"> <li>2. A list of research achievements (original papers, review papers, books, patents, awards, presentations at international conferences, information on external funding)</li> <li>3. Reprints of up to three major original papers (photocopies are acceptable)</li> <li>4. An outline of research and education achievements (with reference to the list of research achievements)</li> <li>5. A research plan and educational objectives (within one A4 page)</li> <li>6. The name, affiliation, and contact information of one professional referee who is willing to be contacted regarding 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. Submitted application documents will not be returned to applicants.</p> |
| 15. Sending Address and Contact Information | <p>Please submit application documents 1 to 6 as individual PDF files, compressed into a single ZIP file with the file name 'Applicant's Name.zip', through the 'Web Application' function of the JREC-IN Portal.</p> <p><a href="https://jrecin.jst.go.jp/seek/SeekTop">https://jrecin.jst.go.jp/seek/SeekTop</a></p> <p>Contact Person: Professor Satoyuki Kawano<br/>Tel: +81-6-6850-6175 E-mail: kawano.satoyuki.es@osaka-u.ac.jp</p>  |
| 16. Application Deadline                    | January 6, 2025 (Japan Standard Time) or until the position is filled  |
| 17. Selection Process                       | <p>Document screening will be followed by interviews. If no suitable candidate is found, we may decide not to select a final candidate.</p> <p>*Travel and accommodation expenses incurred for the interviews will be the responsibility of the applicants. Applicants residing overseas may request an online interview.</p> <p>*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 “36. Work Regulations for National University Corporation The University of Osaka Limited Term Staff” and/or related regulations.</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>Please note the above-mentioned work conditions are as of the day this employment offer is posted, and subject to change.</p>  |

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|               | <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.<br/>The University of Osaka is committed to promoting gender equality and providing various supports for female academic staff members.<br/><a href="http://www.di.osaka-u.ac.jp/en_lp/">http://www.di.osaka-u.ac.jp/en_lp/</a></p> <p>*The University of Osaka campuses and related facilities are smoke-free, except for designated areas.</p> |
| 19. Recruiter | National University Corporation The University of Osaka   |