

**An Open Position for a Scientific Researcher
at Shizuoka University**

Post	Scientific Researcher
Recruitment numbers	1
Work place	Johoku 3-5-1, Chuo-ku, Hamamatsu, Shizuoka 432-8561 Japan Shizuoka University, Research Institute for Electronics, Ultrafast Field Emission Group (PI: Hirofumi Yanagisawa)
Contract period	September 1, 2024 – March 31, 2025 The contract is renewable on a fiscal year basis (from April 1 to March 31: every year) contingent upon all relevant factors, including funding status, job performance, work record and medical conditions. Contract is until March 31, 2027 at the longest.
Probation	14 days
Working arrangement/ insurance	The job requires working for 5 days every week, which is equivalent to 38 hours and 45 minutes. The contract comes with benefits such as unemployment insurance, health insurance, and a commuting allowance.
Salary	299,600 JPY/Month ~ 397,600 JPY/Month (Depending on the candidate's experiences and expertise.) Please note that the commuting allowance will only be provided if the commuting distance is more than 2 km for one way.
Background, job description, and type of person we are seeking for	<p>The objective of this initiative is to develop an ultrafast single-molecule electron microscope that is based on a distinguished concept. The funding for this project is provided by a KAKENHI program administered by the Ministry of Education, Culture, Sports, Science and Technology-Japan (MEXT).</p> <p>We have been studying laser-induced electron emission from a metallic nano-tip for over a decade. Our research has led to the achievement of ultrafast electron emissions from a single molecule. Although these single-molecule electron sources exhibit an intriguing quantum nature, elucidating them has been a challenge, and many questions about the source remain unanswered. To address this issue, four interdisciplinary groups came together and initiated a project called "Single Molecule Quantum (SmoleQ)," which you can find on our website (https://hirofumiyanisawa3.wixsite.com/smoleq). Our team at Shizuoka University is responsible for developing a novel single-molecule electron microscope that can uncover the quantum nature of single molecules.</p> <p>We are offering a unique opportunity for an individual who is passionate about pioneering the development of a new electron microscope and conducting groundbreaking experiments with it. The ideal candidate should also possess expertise in one or more of the following areas: calculation based on the finite element method, design of equipment using CAD software, fabrication of electronic circuits, vacuum experiments using an electron analyzer, optical experiments using a femtosecond laser, and low-temperature experiments.</p>
Eligibility	A person who holds a Ph.D degree or has achieved substantial work equivalent to a Ph.D degree is eligible to apply.
Holidays	Saturday • Sunday • National holidays • 12/29~1/3
Selection and nomination	Applicants will be shortlisted based on the listed documents and will be interviewed online if they pass the initial screening.
Application documents	Here are the necessary documents for your job application: 1. Curriculum Vitae: includes your academic and professional background, publication lists, and references. 2. Cover letter.
How to apply and Deadline	Kindly submit your application via email to the address provided below, ensuring that it is received by 5:00 PM (JST) on June 25, 2024. Email: rie-soumu@adb.shizuoka.ac.jp
Inquiry	Johoku 3-5-1, Chuo-ku, Hamamatsu, Shizuoka 432-8561 Japan Hirofumi Yanagisawa Email: yanagisawa.hirofumi@shizuoka.ac.jp