

Research Fellow (Physics)
Nanyang Technological University

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Posted Dec. 3, 2024, set to expire May 6, 2025

Job Title	Research Fellow (Physics)
Department	School of Physical and Mathematical Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Dec. 3, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate Professional Staff
Academic Field(s)	Physics - General Sciences - General Physics - Condensed Matter/Low Temperature
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Physics-_R00019233
Apply By Email	
Job Description	

Join Our Team at the School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore

The School of Physical and Mathematical Sciences (SPMS) at NTU Singapore hosts research and education activities in two divisions: Division of Mathematical Sciences (MAS) and Division of Physics and Applied Physics (PAP). MAS covers diverse topics ranging from pure mathematics to the applications of mathematics in cryptography, computing, business, and finance. PAP covers many

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areas of fundamental and applied physics, including quantum information, condensed matter physics, biophysics, and photonics. Over the years, SPMS has attracted talented individuals from around the world and Singapore to join as scientific leaders and researchers.

Join the laboratory of Assoc. Prof. Elbert Chia at SPMS. We are seeking a Research Fellow to contribute to a project focused on measuring the current-phase relation of a Josephson junction in superconductor-based structures, using a tunnel-diode-based penetration depth setup.

Key Responsibilities:

- Operation, maintenance, and modification of the tunnel-diode-based penetration depth setup in Prof. Chia's laboratory
- Management of project issues, including related paperwork
- Measurement of the London penetration depth in superconductors
- Preparation of scientific publications

Job Requirements:

- A Ph.D. degree in physics is mandatory.
- Demonstrated strong experimental skills
- Demonstrated ability to publish high-tier research publications.
- Excellent verbal and written communication skills (including scientific writing).
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Ability to work independently but also to work as part of a team, e.g., collaborating with the group members as well as researchers from other labs.

The College of Science seeks a diverse and inclusive workforce and is committed to equality of opportunity. We welcome applications from all and recruit on the basis of merit, regardless of age, race, gender, religion, marital status and family responsibilities, or disability.

We regret to inform that only shortlisted candidates will be notified.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

School of Physical and Mathematical Sciences
Nanyang Technological University
Singapore