

Research Fellow (Electronic Engineering/ Material  
Science/ Chemistry/ Physics)  
Nanyang Technological University

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Posted Apr. 21, 2025, set to expire Aug. 21, 2025

<b>Job Title</b>	Research Fellow (Electronic Engineering/ Material Science/ Chemistry/ Physics)
<b>Department</b>	NTI-NTU Corporate Laboratory
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Apr. 21, 2025
<b>Application Deadline</b>	Open untill filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Research Scientist/Associate
<b>Academic Field(s)</b>	Materials Sciences/Polymer Sciences
<b>Job Website</b>	<a href="https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Electronic-Engineering--Material-Science--Chemistry--Physics-_R00020456">https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Electronic-Engineering--Material-Science--Chemistry--Physics-_R00020456</a>
<b>Apply Online Here</b>	<a href="https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Electronic-Engineering--Material-Science--Chemistry--Physics-_R00020456">https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Electronic-Engineering--Material-Science--Chemistry--Physics-_R00020456</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

NTI-NTU Corporate Laboratory is a collaboration between Nanofilm Technologies International Limited ("Nanofilm", "NTI"), Nanyang Technological University ("NTU") and supported by Singapore under RIE2025. The Laboratory's objective is to propel Innovation and Technologies commercialisation

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through NTU's innovation and NTI's deep technology. NTI-NTU Corporate Laboratory aligns with Singapore's RIE2025 handbook – which emphasises the nation's commitment to research and innovation, aiming to drive economic growth and address national challenges.

The Nanyang Technological University NTI-NTU Corporate Laboratory is seeking to hire a Research Fellow. The selected candidate will innovate hybridized composite materials and thin film coatings.

**Key Responsibilities:**

- Simulate, design, fabricate and characterize plasma process equipment.
- Familiar with COMSOL software to simulate the influence of magnetic field on plasma flow.
- Conducts various design simulations to refine processes.
- Optimize vacuum coating processes, and leading R&D efforts in material science for application development.
- Drives the development and implementation of coating techniques.
- Oversee the transition from experimental designs to scalable solutions.
- Additionally, the role requires preparation and delivery of comprehensive reports to satisfy the stipulations of funding entities and corporate mandates.

**Job Requirements:**

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Ph.D. in a relevant engineering or science discipline is required.

- At least 2 years of combined specialized post-doctoral experience in industry or a recognized research institute.
- Expertise in plasma physics, plasma source design, plasma control system design and a strong track record of research publications and patent filings are essential.
- Applicants must demonstrate effective collaboration skills in multidisciplinary settings.

We regret 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**

Singapore