

## Research Fellow (Experimental 2D Exciton-Polaritons) Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=236299>

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Posted May 20, 2024, set to expire Apr. 1, 2025

<b>Job Title</b>	Research Fellow (Experimental 2D Exciton-Polaritons)
<b>Department</b>	School of Physical and Mathematical Sciences
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	May 20, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Professional Staff
<b>Academic Field(s)</b>	Physics - General Sciences - General
<b>Job Website</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Experimental-2D-Exciton-Polaritons-_R00017219">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Experimental-2D-Exciton-Polaritons-_R00017219</a>

**Apply By Email**

**Job Description**

A Research Fellow position is currently available in the School of Physical and Mathematical Sciences (SPMS).

**Key Responsibilities:**

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Responsible for fabrication of active mediums for exciton polariton lattices

- Use lithographic techniques such to etch lattice/network/circuit patterns
- Perform characterization of structures using atomic force microscopy and optical spectroscopy
- Collaborate with theoretical researchers in the design and optimization for new fundamental effects and the creation of polaritonic electrical devices
- Record, manage, and store collected data in line with NTUs data management policies
- Disseminate results in the form of peer-reviewed publications and presentations at international conferences

### **Job Requirements:**

- PhD in Physics, Optics, Material sciences, Engineering from a reputable University
- Track record of peer-reviewed papers in international journals
- Experience in the heterostructure and device fabrications

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

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**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