

Research Associate/Research Fellow (Ink Formulations)  
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=230292>

Downloaded On: May. 12, 2024 8:27am

Posted Feb. 7, 2024, set to expire Jun. 8, 2024

<b>Job Title</b>	Research Associate/Research Fellow (Ink Formulations)
<b>Department</b>	School of Materials Science & Engineering (MSE)
<b>Institution</b>	Nanyang Technological University Singapore , Singapore, Singapore
<b>Date Posted</b>	Feb. 7, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Faculty Associate Research Scientist/Associate Research Professor
<b>Academic Field(s)</b>	Engineering - Other Material/Metallurgy
<b>Apply Online Here</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Associate-Research-Fellow--Ink-Formulations-_R00016114">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Associate-Research-Fellow--Ink-Formulations-_R00016114</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

The School of Materials Science & Engineering (MSE) invites applications for the position of Research Associate/Research Fellow.

The Research Associate/Research Fellow will help advance foundational knowledge in making

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polymer composite formulations for high performance stretchable waveguides. The Research Associate/Research Fellow will employ knowledge in polymer chemistry, composites and optics to develop novel polymer formulations.

### Key Responsibilities:

- Develop specialized polymer formulations with high stretchability, transparency, and low optical loss
- Utilize 3D printing technology to create waveguides from the developed polymer formulations
- Conduct comprehensive experiments to optimize polymer properties for waveguide applications
- Collaborate with the team to integrate formulated polymers into functional waveguide structures
- Characterize optical properties and ensure structural integrity of fabricated waveguides

### Job Requirements:

- Minimally Master's degree in polymer science, polymer engineering, or materials science
- Applicants with PhD preferred
- 4-5 years of research experience in polymer-related fields, inclusive of PhD study period
- Expertise in polymer synthesis, particularly UV curable formulations
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Proficiency in 3D printing techniques, especially for optical applications

- Background in optical sensor assembly and testing

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**

School of Materials Science & Engineering (MSE)  
Nanyang Technological University  
Singapore