

**Project Officer (Neural Tissue Engineering)  
Nanyang Technological University**

Direct Link: <https://www.AcademicKeys.com/r?job=247853>

Downloaded On: Oct. 31, 2024 8:14am

Posted Oct. 30, 2024, set to expire May 6, 2025

<b>Job Title</b>	Project Officer (Neural Tissue Engineering)
<b>Department</b>	School of Chemistry, Chemical Engineering and Biotechnology (CCEB)
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Oct. 30, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Professional Staff Research Scientist/Associate
<b>Academic Field(s)</b>	Bioengineering (all Bio-related fields)
<b>Apply Online Here</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Project-Officer--Neural-Tissue-Engineering-_R00018904">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Project-Officer--Neural-Tissue-Engineering-_R00018904</a>

**Apply By Email**

**Job Description**

The School of Chemistry, Chemical Engineering and Biotechnology (CCEB) invites applications for the position of Project Officer. The candidate will have the opportunity to explore his/her own interests across functions.

**Key Responsibilities:**

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Design and characterize novel biodegradable, biocompatible materials and tissue scaffolds with controlled drug/gene/cell delivery capabilities for soft tissue engineering & stem cell engineering.

- Design, optimize and fabricate tissue scaffolds (e.g. hydrogels, injectable scaffolds, electrospinning, 3D printing)
- Characterize scaffold properties: physical, chemical characteristics, drug/gene release kinetics, cell/tissue interactions, etc.
- Design and execute experiments independently.
- Expected to interpret experimental results, and author papers in high-quality journals in areas that are related to the research.
- Work closely with the Principal Investigator to help supervise and train junior lab members and to ensure smooth functioning of an active research program.

**Job Requirements:**

- Bachelor's degree in Biomedical Engineering with relevant background and experience.
- Published experience in biomaterials scaffold design, fabrication and characterization, controlled drug/gene delivery design and characterization. Evaluation of cellular response/interactions/functionality with scaffolds using western blotting, immunostaining, qPCR, fluorescent microscopy (confocal) imaging, functional assays.
- Experience in 3D printing is a plus.
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Strong ability to communicate effectively orally and in written form.

- Strong ability to perform independent, self-directed work.
- Strong organizational skills and proactive personality with outstanding motivation, creativity, critical and analytical thinking skills, strong scientific commitment and ability to work as a team.
- Demonstrate excellent communication skills and have a strong passion and commitment to science.
- Expected to work in a collaborative inter-institute environment.

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