

Project Officer (Neural Tissue Engineering)
Nanyang Technological University

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

Job Title	Project Officer (Neural Tissue Engineering)
Department	School of Chemistry, Chemical Engineering and Biotechnology (CCEB)
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Oct. 30, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff Research Scientist/Associate
Academic Field(s)	Bioengineering (all Bio-related fields)
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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