Research Fellow (Synthetic Biology & Enzyme Design)
Nanyang Technological University

Job Title	Research Fellow (Synthetic Biology & Enzyme Design)
Department	School of Biological Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Feb. 19, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Biology - Molecular Biology - Biochemistry
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Apply By Email	

Job Description

Join Our Team at the School of Biological Sciences, Nanyang Technological University, Singapore

The School of Biological Sciences (SBS), part of the College of Science, was established in 2002 with a mission to advance biological and biomedical sciences. At SBS, our research spans various areas, including infectious diseases, immunology, neurodegenerative diseases, telomere biology, and genome function. Over the years, SBS has attracted talented individuals from around the world and Singapore to join as scientific leaders and researchers.

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For more details, please view https://www.ntu.edu.sg/sbs.

We are seeking a highly motivated Research Fellow (RF) to join our team in the field of synthetic biology and enzyme design. This role focuses on developing novel biocatalysts and synthetic pathways through cutting-edge research. The successful candidate will contribute to impactful projects while gaining exposure to advanced methodologies in synthetic biology.

Key Responsibilities:

- Lead the design, construction, and optimization of synthetic biological systems and enzyme engineering workflows.
- Execute advanced molecular biology techniques, including DNA manipulation, PCR, and molecular cloning.
- Conduct protein expression, purification, and characterization using methods such as spectrophotometry, HPLC, and SDS-PAGE.
- Analyze experimental data, maintain meticulous records, and contribute to manuscript preparation for high-impact journals.

Job Requirements:

- PhD in Biochemistry, Molecular Biology, Synthetic Biology, or a related field (completed or near completion).
- Strong expertise in molecular cloning, protein engineering, and synthetic biology tools (e.g., CRISPR, metabolic pathway design).
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Ability to work independently, solve complex problems, and manage multiple priorities in a fast-paced research environment.

Interested candidates should submit the following documents:

- A cover letter detailing research interests and relevant experience.
- A current CV, including contact information for two references.
- Transcripts (if applicable).

The College of Science seeks a diverse and inclusive workforce and is committed to equality of opportunity. We welcome applications from all and recruit on the basis of merit, regardless of age, race, gender, religion, marital status and family responsibilities, or disability.

We regret to inform 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