

**Research Assistant (Synthetic Biology & Enzyme Design)
Nanyang Technological University**

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Posted Feb. 20, 2025, set to expire Jun. 21, 2025

Job Title	Research Assistant (Synthetic Biology & Enzyme Design)
Department	School of Biological Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Feb. 20, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Chemistry - Biochemistry
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Assistant--Synthetic-Biology---Enzyme-Design-_R00019854-1
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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,

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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.

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

We are seeking a highly motivated Research Assistant (RA) to join our team in the field of synthetic biology and enzyme design. This position offers an exciting opportunity to contribute to cutting-edge research focused on developing novel biocatalysts and synthetic pathways. The ideal candidate should have a strong foundation in biochemistry or biology and a passion for scientific research.

Key Responsibilities:

- Assist in the design and construction of synthetic biological systems and enzyme engineering projects.
- Perform molecular cloning experiments, including DNA manipulation, PCR, and gel electrophoresis.
- Support protein expression, purification, and characterization using standard biochemical techniques.
- Maintain cell cultures, troubleshoot experimental procedures, and ensure smooth lab operations.
- Analyze experimental data, maintain detailed records, and collaborate with team members to optimize research protocols.

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Job Requirements:

- Bachelors degree in Biochemistry, Biology, Chemistry, or a related field.
- Basic knowledge of molecular cloning, protein expression, and purification (preferred but not required).
- Experience with PCR, gel electrophoresis, and DNA sequencing is advantageous.
- Strong problem-solving skills, attention to detail, and the ability to work both independently and collaboratively.
- Familiarity with enzyme assays, protein characterization methods (e.g., spectrophotometry, HPLC, SDS-PAGE), bacterial/yeast transformation, or synthetic biology tools is a plus.

This position offers an opportunity to work in a collaborative and innovative research environment, gaining hands-on experience with state-of-the-art techniques in synthetic biology and enzyme engineering. We provide professional development and training opportunities, along with a competitive salary and benefits package.

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.
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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