

Project Officer (Structural Biology)
Nanyang Technological University

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Posted Apr. 22, 2024, set to expire Apr. 1, 2025

Job Title	Project Officer (Structural Biology)
Department	School of Biological Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 22, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Chemistry - General Biology - Biochemistry Biology - General
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Job Description

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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Aging and Cancer Research: Join groundbreaking research at the School of Biological Science, NTU, and unlock the secrets of ageing and cancer at the molecular level.

We seek a passionate and driven Project Officer to contribute to our cutting-edge cryo-EM studies of telomeric chromatin complexes. This opportunity is initially for one year, with the possibility of an extension based on performance and funding availability. You will have the opportunity to learn advanced techniques of cryo-EM sample preparation and data analysis. You will also be exposed to various characterization like EMSA, chromatography (size, affinity), NMR, Single-molecule studies, Mass spec, light scattering, and fluorescent).

Key Responsibilities:

- Perform expression and purification of proteins in E. coli.
- Conduct amplification and purification of telomeric DNA templates using established protocols.
- Perform biochemical and biophysical assays, as well as telomeric chromatin sample preparation.
- Assist in laboratory management and perform routine duties.

Job Requirements:

- Bachelor's degree in Biology, Biotechnology, Chemistry, or related fields.
- Diploma holders with a minimum of 3 years' relevant experience may also be considered.
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Hands-on experience in biology, molecular biology, biochemistry, or structural biology.

- Experience with protein expression in E. coli is preferred.
- Demonstrated ability to work both independently and as part of a collaborative team.

Further reading on the research:

- <https://www.nature.com/articles/s41586-022-05236-5>
- <https://www.straitstimes.com/singapore/ntu-scientists-map-key-part-of-human-dna-associated-with-ageing-and-cancer>
- <https://blogs.ntu.edu.sg/science/2022/09/15/unravelling-the-mystery-of-human-telomeric-chromatin/>
- <https://blogs.ntu.edu.sg/science/2024/01/30/understanding-a-proteins-relationship-with-our-telomeres/>

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 that only shortlisted candidates will be notified.

Contact Information

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Contact

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