

Project Officer (Structural Biology-Ageing and Cancer
Research)
Nanyang Technological University

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Posted Aug. 21, 2024, set to expire May 6, 2025

Job Title	Project Officer (Structural Biology-Ageing and Cancer Research)
Department	School of Biological Sciences (SBS)
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Aug. 21, 2024
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Biology - General
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Project-Officer--Structural-Biology-Ageing-and-Cancer-Research-_R00018229
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Project-Officer--Structural-Biology-Ageing-and-Cancer-Research-_R00018229
Apply By Email	
Job Description	

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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.

Join groundbreaking research at SBS and unlock the secrets of ageing and cancer at the molecular level. We are seeking a passionate and motivated Project Officer / Research Assistant / Research Engineer I to contribute to our cutting-edge cryo-EM studies of telomeric chromatin complexes. This research, funded by the NMRC YIRG grant, focuses on the project '*Deciphering the Structural Basis of SIRT6-Telomere Interplay in Aging and Cancer*'. The aim is to unravel the structural interactions between SIRT6 and telomeres and explore the potential for establishing a cryo-EM platform for chromatin-based drug development. This position is initially for one year, with the possibility of extension based on performance and funding.

You will have the chance to learn advanced techniques in cryo-EM sample preparation and data analysis, as well as gain exposure to various characterization methods, including EMSA, chromatography (size, affinity), NMR, single-molecule studies, mass spectrometry, light scattering, and fluorescence microscopy.

Job Description

- Express and purify proteins in *E. coli*.
- Amplify and purify telomeric DNA templates using established protocols.
- Conduct biochemical and biophysical assays, including telomeric chromatin sample preparation.
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Assist in laboratory management and perform routine duties.

Job Requirements

- BSc in biology, biotechnology, chemistry, or a related field.
- Diploma holders with a minimum of 3 years of relevant experience may also be considered.
- Hands-on experience in biology, molecular biology, biochemistry, or structural biology.
- Preferred experience with protein expression in E. coli.
- Ability to work both independently and as part of a collaborative team.

Further Reading on Our Research:

- [Nature Article on Telomere Research](#)
- [The Straits Times Article](#)
- [NTU Science Blog on Telomeric Chromatin](#)
- [NTU Science Blog on Protein-Telomere Relationships](#)

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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

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Singapore