

**Research Fellow (Structural Biology)  
Nanyang Technological University**

Direct Link: <https://www.AcademicKeys.com/r?job=239290>

Downloaded On: Apr. 17, 2025 3:57pm

Posted Jul. 11, 2024, set to expire May 6, 2025

<b>Job Title</b>	Research Fellow (Structural Biology)
<b>Department</b>	School of Biological Sciences
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Jul. 11, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Research Scientist/Associate Professional Staff
<b>Academic Field(s)</b>	Biology - General
<b>Apply Online Here</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Fellow--Structural-Biology-_R00017752">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Fellow--Structural-Biology-_R00017752</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

**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.

Join the laboratory of Xiao Tianshu at the School of Biological Sciences. We are seeking a Research

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Fellow to contribute to a project focused on structure- and function-based therapeutic development against infectious diseases, including flavivirus and coronavirus. The research fellow will be involved in experiments that will pinpoint novel antiviral inhibitors, structural characterization on the inhibitor/target interaction and other mechanistic studies using biophysical and biochemical approaches.

### Key Responsibilities

- Protein production and sample preparation for cryo-EM
- Data processing and analysis of cryo-EM using cryoSPARC, EMAN2, etc.
- Functional studies to detect protein-inhibitor interaction and inhibitory activity
- Data presentation

### Job Requirements

- A PhD degree in structural biology, with focus on cryo-EM single particle analysis
- Strong research experience and track record in protein structural study using Cryo-EM
- Experience with molecular cloning, protein expression in mammalian cell/insect cell and protein purification using affinity chromatography and FPLC system
- Strong written and verbal communication skills in English as required to publish research and present data
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Excellent team player

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