

Research Fellow (Structural Biology)
Nanyang Technological University

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Posted Aug. 6, 2025, set to expire May 6, 2026

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| Job Title | Research Fellow (Structural Biology) |
| Department | School of Biological Sciences |
| Institution | Nanyang Technological University Singapore, , Singapore |
| Date Posted | Aug. 6, 2025 |
| Application Deadline | Open untill filled |
| Position Start Date | Available Immediately |
| Job Categories | Research Scientist/Associate |
| Academic Field(s) | Biology - Biochemistry Biology - General |
| Job Website | https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Structural-Biology-_R00021042 |
| Apply Online Here | https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Structural-Biology-_R00021042 |
| 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,

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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 Fellow / Research Associate to join our dynamic research group, which focuses on protein amyloids and structural biology. The successful candidate will focus on understanding the structure and function of proteins implicated in corneal dystrophies, with a particular emphasis on protein amyloids, using advanced techniques in biochemistry and structural biology. This role offers a unique opportunity to drive high-impact research in a collaborative and innovative scientific environment.

Key Responsibilities:

- Contribute to the development and optimization of protein expression systems and sample preparation workflows.
- Prepare samples for structural studies using cryo-EM and/or NMR spectroscopy.
- Biophysical and biochemical assays to study protein interactions.
- Work closely with team members to ensure the timely delivery of high-quality samples and structural data.
- Design and execute experiments, analyze data, and assist in the preparation of manuscripts, presentations, and research reports.
- Maintain detailed documentation of protocols, results, and workflows.
- Collaborate with interdisciplinary teams and external partners.
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Engage in routine lab maintenance, reagent preparation, and training of undergraduate students as needed.

- Able to work independently, develop practical solutions under tight timelines, and maintain a high level of accuracy and attention to detail.

Job Requirements:

- PhD (for Research Fellow) / MSc (for Research Associate) in Biochemistry, Molecular Biology, Structural Biology, Biotechnology, or a closely related field.
- Practical expertise in protein expression, purification, and related workflows.
- Strong analytical and problem-solving abilities, with meticulous attention to detail.
- Ability to work both independently and as part of a multidisciplinary team.
- Excellent organizational and time management skills.
- Strong written and verbal communication skills.
- Proficiency in using software tools for NMR or cryo-EM data collection and processing is a plus.
- Familiarity with molecular biology techniques such as cloning, mutagenesis, and cell culture is a plus.

Why join us:

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A collaborative and inclusive work culture.

- Collaborate in a vibrant, interdisciplinary team at the cutting edge of protein science and structural biology.
- A cutting-edge research environment with access to state-of-the-art facilities.
- Engage in impactful research with strong translational potential.
- Opportunities for career development and training.

Application Instructions:

Please submit your CV, cover letter, and contact details of two referees through the Application Portal.

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 you 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

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