

Research Fellow / Research Associate (Monoclonal
Antibody Discovery and Engineering)
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=269287>

Downloaded On: Dec. 11, 2025 2:14pm

Posted Dec. 10, 2025, set to expire May 6, 2026

Job Title	Research Fellow / Research Associate (Monoclonal Antibody Discovery and Engineering)
Department	School of Biological Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Dec. 10, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Biology - Molecular Biomedical Sciences
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow---Research-Associate--Monoclonal-Antibody-Discovery-and-Engineering-_R00022843

Apply By Email

Job Description

Join Our Team at the School of Biological Sciences, Nanyang Technological University, Singapore

**Research Fellow / Research Associate (Monoclonal
Antibody Discovery and Engineering)
Nanyang Technological University**

Direct Link: <https://www.AcademicKeys.com/r?job=269287>

Downloaded On: Dec. 11, 2025 2:14pm

Posted Dec. 10, 2025, set to expire May 6, 2026

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.

We are seeking a highly motivated Research Fellow / Research Associate with strong expertise in antibody technologies and cancer biology to join our dynamic, multidisciplinary research team.

Key Responsibilities

- Perform phage display selection, screening, and optimization for monoclonal antibody discovery.
- Conduct mouse monoclonal antibody generation using hybridoma technology.
- Carry out antibody characterization (binding affinity, specificity, epitope mapping, stability).
- Engineer antibodies for enhanced function (Fc modifications, bispecific formats, humanization).
- Evaluate therapeutic efficacy in cell-based assays and murine tumor models.
- Develop the workflow for antibody generation and engineering.
- Collaborate with team members on research projects and contribute to manuscript preparation and grant applications.

Job Requirements

-

**Research Fellow / Research Associate (Monoclonal
Antibody Discovery and Engineering)
Nanyang Technological University**

Direct Link: <https://www.AcademicKeys.com/r?job=269287>

Downloaded On: Dec. 11, 2025 2:14pm

Posted Dec. 10, 2025, set to expire May 6, 2026

PhD (for Research Fellow) or MSc (for Research Associate) in Immunology, Molecular Biology, Biochemistry, Biomedical Sciences, or a related field.

- Proven experience in phage display or antibody discovery platforms.
- Hands-on expertise in protein expression, purification, and characterization (e.g., ELISA, SPR/BLI, FACS).
- Experience in hybridoma generation and in vivo mouse models of cancer is highly desirable.
- Strong analytical, organizational, communication and leadership skills.
- Ability to work both independently and collaboratively within a multidisciplinary team

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