Assistant / Associate Professor (Tenure-track) – Biomedical Data Science
Nanyang Technological University

Job Title	Assistant / Associate Professor (Tenure-track) – Biomedical Data Science
Department	School of Biological Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Jul. 31, 2025
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Biology - General
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Assistant---Associate-Professor--Tenure-track----Biomedical-Data-Science_R00021463

Apply By Email

Job Description

The School of Biological Sciences (SBS), College of Science (CoS) at the Nanyang Technological University (NTU) in Singapore seeks outstanding candidates to apply for a tenure track faculty position at the Assistant or Associate Professor level in the field of Biomedical Data Science, with a focus on Computational Biology, Artificial Intelligence (AI) in Biology, and Bioinformatics.

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We welcome candidates working in, but not limited to:

- AI-driven approaches for biology and medicine
- Systems biology and modeling of biological networks
- Causal inference and interpretability in biomedical AI
- Single-cell, multi-omics and spatial omics data integration and analysis

SBS is searching for individuals with a well-de?ned research vision and an outstanding track record of publications in top journals. The successful candidate will establish and maintain an independent extramurally funded research program. The successful candidate is expected to show a strong commitment to departmental undergraduate and graduate mentoring and teaching. The successful candidate will join a vibrant, interdisciplinary research and teaching environment that bridges biological sciences, computational sciences, and clinical applications.

SBS covers several areas of research encompassing genetic, structural, biochemical, and cellular investigator-led projects offering many opportunities for interdisciplinary collaborations not only within the school but also with other departments in the university. SBS/NTU offers cutting edge infrastructures, such as state-of-the-art structural biology and biophysical facilities (Titan Krios Cryo-EM, Rigaku FRX X-ray generator, BLI, ITC), confocal microscopy, a complete set of proteomics facilities and a modern computer cluster. Researchers also benefit from campus-wide access to high-performance computing clusters. The successful candidate will have extensive opportunities to collaborate with other Schools and national research centres such as A*STAR, and the Singapore Centre for Environmental Life Sciences Engineering (SCELSE), making NTU an ideal environment for pioneering research in biomedical data science.

SBS and CoS 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.

Requirements:

- Develop and lead an independent, high-impact research program in biomedical data science.

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- Apply and/or develop cutting-edge computational methods, including machine learning and AI, to address fundamental questions in biology, medicine, or public health.
- Contribute to undergraduate and graduate teaching in bioinformatics, data science, and related disciplines.
- Supervise and mentor PhD students, postdoctoral fellows, and junior researchers.
- Collaborate with faculty across departments and engage in interdisciplinary projects.
- Contribute to the academic community through service and leadership activities.

Qualifications:

- A PhD or equivalent degree in Computational Biology, Bioinformatics, Biomedical Data Science, Computer Science, Statistics, or a related field.
- A strong publication record in reputable journals and/or conferences.
- Evidence of potential (Assistant level) or established excellence (Associate level) in research, teaching, and academic service.
- A commitment to interdisciplinary research and collaborative science.
- Experience in securing or contributing to competitive research grants.
- Ability to work across disciplines, including biology, medicine, and data science.

Emoluments

The candidate will be offered an attractive compensation package and will be supported by generous start-up funds and laboratory space.

Application Procedure

Interested applicants are cordially invited to submit their applications through the NTU career portal, and a complete application package should include:

1. Cover letter,
2. Curriculum vitae,
3. Publication list,
4. A summary of the future research, teaching and service plans, and
5. The names/emails of three individuals willing to provide letters of reference.

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The post applied for should be clearly stated in your application.

If there are any enquiries, you seek more information from

Search Chair at SC-SBS@ntu.edu.sg

Contact Information

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

Contact

School of Biological Sciences
Nanyang Technological University
Singapore
Singapore