

Associate Professor (Tenured) in Computation-Guided  
Molecular Engineering  
Nanyang Technological University

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Posted Jul. 24, 2024, set to expire May 6, 2025

<b>Job Title</b>	Associate Professor (Tenured) in Computation-Guided Molecular Engineering
<b>Department</b>	School of Chemistry, Chemical Engineering and Biotechnology
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Jul. 24, 2024
<b>Application Deadline</b>	Oct. 31, 2024
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Associate Professor Adjunct Professor
<b>Academic Field(s)</b>	Chemical/Petroleum Bioengineering (all Bio-related fields)
<b>Apply Online Here</b>	<a href="https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Associate-Professor--Tenured--in-the-School-of-Chemistry--Chemical-Engineering-and-Biotechnology--Computation-Guided-Molecular-Engineering-_R00017898">https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Associate-Professor--Tenured--in-the-School-of-Chemistry--Chemical-Engineering-and-Biotechnology--Computation-Guided-Molecular-Engineering-_R00017898</a>

**Apply By Email**

**Job Description**

Young and research intensive, Nanyang Technological University (NTU Singapore) is ranked among the world's top universities.

The **School of Chemistry, Chemical Engineering and Biotechnology (CCEB)** is a new

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interdisciplinary school formed by integrating the School of Chemical and Biomedical Engineering (SCBE) from College of Engineering and the Division of Chemistry and Biological Chemistry (CBC) from College of Science. CCEB faculty members conduct cutting-edge research in diverse areas of chemistry, chemical engineering, food science, bioengineering, biotechnology, and other fields.

We invite outstanding candidates to apply for a tenured faculty position at the Associate Professor level with a research focus in the area of Computation-Guided Molecular Engineering. Applicants should have a well-defined research vision and an outstanding track record of publications in top journals. Successful candidates are expected to develop innovative, internationally visible, and extramurally funded research programs. We are also seeking candidates with outstanding capacity to teach related topics at the undergraduate and graduate levels, including mentoring and supervision of undergraduate and graduate students. Some school and university services will be expected of the successful candidates.

CCEB seeks a diverse and inclusive workforce and are committed to equality of opportunity. Applicants, irrespective of age, race, gender, religion, marital status and family responsibilities, or disability, are encouraged to apply. Our recruitment process is entirely merit-based.

### **Requirements**

We seek expertise in computational molecular modelling, data science, and molecular design for healthcare applications. The ideal candidate will have a strong background in using computational techniques to understand and design molecular systems, with a focus on applications in chemical biology and biotechnology. This includes but is not limited to experience with quantum chemical calculations and data science for predictive modelling and molecular design. The candidate should be adept at applying these methods to solve complex problems in healthcare. Additionally, expertise in integrating computational data with experimental results to drive innovation is highly desirable.

### **Emoluments**

The commencing salary will depend on the candidates' qualifications, experience, and the level of appointment offered.

### **Application Procedure**

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Interested applicants are invited to submit their applications, including (1) A cover letter and detailed CV, (2) Statement of aspiration in research (up to 5 pages including figures but excluding references), (3) Statement of aspiration in teaching (up to 2 pages), (4) Three selected publications, (5) Three names and contact information of the referees, through the NTU career portal.

**Please submit the full set of documents as outlined above.**

All applications and enquiries should be addressed to: Prof Ling Xing Yi, Computation-Guided Molecular Engineering Search Committee Chair.

The closing date for applications is **31 October 2024**. 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** Ng Soke San  
School of Chemistry, Chemical Engineering and  
Biotechnology  
Nanyang Technological University  
Singapore  
Singapore

**Contact E-mail** [ngss@ntu.edu.sg](mailto:ngss@ntu.edu.sg)