



Graduate Student and Laboratory Researcher Recruit

Openings: Ph.D. Student, Postdoctoral Scientist, and Research Associate/Assistant

Field: Biochemical Engineering, Food Processing, Carbohydrate Chemistry, Gut Microbiome

Department: School of Chemical and Biomedical Engineering, Nanyang Technological University

Location: Singapore

Two Ph.D. graduate assistantships in the food process engineering, carbohydrate chemistry, and/or gut microbiome fields are immediately available in the School of Chemical and Biomedical Engineering (SCBE) at the Nanyang Technological University, Singapore. The Ph.D. candidate is expected to hold a B.S. degree in biochemistry, microbiology, or chemical engineering from a prestigious academic institution, possess enthusiasm in the scientific discovery, and be interested in developing engineering solutions for real-world issues. Successful candidates will be sponsored by SCBE, which includes a full-tuition waiver and a monthly stipend for living expenses.

Two laboratory researcher positions (Postdoc, Associate, or Assistant) are immediately available. Applicants are expected to have hands-on experience in microbial fermentation, bioreactor, and chromatography operations; in the carbohydrate synthesis, purification, and structural analysis; or in the microbial community analysis, next-generation sequencing, and bioinformatics. English proficiency is desired, but further language training could be performed on site. The appointment is on a yearly basis, with candidates being eligible for performance bonus.

The admitted candidate will join the newly formed “**Advanced Food Manufacturing and Health Laboratory**” in SCBE, focusing on applying biochemical and engineering principles to food and bioprocess procedures to improve systems’ efficiency and human health. Specific projects include but are not limited to developing sustainable urban food manufacturing systems, creating values for agricultural byproducts, manufacturing bioactive carbohydrates, and elucidating substrate-specific microbial communities. Interested applicants are encouraged to contact **Dr. Ming-Hsu Chen** (chen2746@purdue.edu) and submit their resumes for consideration.

Nanyang Technological University, located in western Singapore, covers 200 hectares of land and currently enrolls more than 30,000 students. The university offers an interdisciplinary and international academic environment and is ranked 12th in the 2019 QS World University Rankings.