

Position openings in the CHNG laboratory at the Department of Chemistry, NUS

Please contact Shu Sin if you have any enquiry at chmchns@nus.edu.sg.

Postdoctoral fellow position (available from Feb 2017)

We are recruiting a highly-driven, creative and ambitious postdoctoral fellow to join us in our efforts to understand bacterial outer membrane assembly. Our laboratory is interested in studying transport processes that move and assemble phospholipids and mycolic acids into the outer membranes of Gram-negative bacteria and mycobacteria, respectively. Candidates must hold (or be close to obtaining) an internationally-recognized Ph.D. degree in microbiology, biochemistry, genetics or related fields, and should have a proven track record of excellence in experimental research. Candidates with experience in working with mycobacteria and/or strong expertise in bacterial genetics are highly encouraged to apply. The position is available for 2 years or more, depending on progress. Competitive salary will be offered to candidates who fulfil the requirements.

Interested candidates should send their applications via email to Shu Sin (chmchns@nus.edu.sg). Email submissions must include a one-page statement of research interests, CV, and the contact details of three potential references. Shortlisted candidates will be contacted via email.

Outstanding candidates should explore fellowship opportunities from EMBO and HFSP.

Graduate student (Ph.D.) positions (on-going recruitment)

Applicants should possess a basic science degree in either chemistry, biochemistry, biology, microbiology, or other chemistry or biology-related fields. Strong background in both chemistry and biology is preferred.

During the Ph.D. candidature, students should expect to acquire knowledge and skills in areas such as bacteria growth and culturing, molecular cloning (DNA manipulation), basic bacterial genetics, soluble/membrane protein expression and purification, cellular lipid extraction and purification, and biochemical assay development. In our laboratory, we use these techniques to get at the important problem of membrane assembly. We also emphasize heavily on education in the group. Students will be trained to become rigorous scientists who think critically about data and design experiments independently.

Interested candidates should send their CV, with a brief summary of research experience (if any), to chmchns@nus.edu.sg. We welcome applicants from all over the world. Students in our laboratory may be funded under a variety of scholarships such as the NUS Research, NGS (NUS Graduate School of Integrated Sciences and Engineering) and SINGA scholarships. Please refer to this website for these and other scholarship options available for graduate students in NUS (<http://www.nus.edu.sg/admissions/graduate-studies/scholarships.php>).