

Research Assistant Professor in Biomedical Engineering at the National University of Singapore

Job description

The National University of Singapore invites applications for a Research Assistant Professor position at the Department of Biomedical Engineering under the supervision of Professor Chwee Teck Lim. The applicant will be tasked to assist Professor Lim in overseeing some of the research activities at the laboratory. In particular, the applicant should already have at least 3 years of postdoctoral experience on one or more of these areas: mechanobiology, microfluidics or wearable sensor technology.

Professor Lim heads the MechanobioEngineering laboratory (<http://www.bioeng.nus.edu.sg/nanolab/>) which seeks to address important scientific and biomedical problems using interdisciplinary approaches, develop innovative solutions and translate them for biological and healthcare applications. Focused areas include mechanobiology of human diseases and development of mechanobiologically inspired platforms in microfluidics, and wearable sensor technology to better detect, diagnose and treat diseases. The lab has won numerous research awards and honors and has also spun out several startup companies to translate technologies from lab to bedside and market. The group is also affiliated with the Mechanobiology Institute, Biomedical Institute for Global Health Research and Technology and SMART.

Qualifications

- PhD in Physics, Biological Sciences, Materials Science, Chemical Engineering, Mechanical Engineering, Electrical Engineering or Biomedical Engineering
- More than three years of post-doctoral (or equivalent) experience
- Be prepared to engage in high interdisciplinary research and develop new research directions that are within the interest of the laboratory
- Highly motivated, organized and responsible individual who can work independently as well as part of a team and perform under deadline pressure
- Ability to help mentor, supervise and train junior staff members and students
- Proven record of outstanding written, oral presentation and communications skills
- Excellent skills in project management and multi-tasking
- Ability to work on grant proposals including writing, meeting with collaborators, and reviewing proposal opportunities from government and other sources
- Assist in the administration of research projects which includes manpower hiring, equipment purchase, budget monitoring and IRB approvals

Application

Interested candidates should email a CV, cover letter describing research experience, interests and achievements, and the names and email addresses of three references to Professor Chwee Teck Lim at the Department of Biomedical Engineering, National University of Singapore (ctlim@nus.edu.sg).