

Job Description & Key Responsibilities

Research Assistant Position in Biomedical Engineering

We are looking for a dedicated Research Assistant to join our team in supporting ongoing research projects in the field of biomedical engineering, particularly in the areas of microfluidics, biosensing, and disease diagnostics. This position involves both hands-on experimental work and administrative responsibilities, including lab management and safety compliance.

The ideal candidate will have a background in engineering, strong technical skills, and the ability to manage multiple responsibilities in a dynamic research environment.

Key Responsibilities:

- Assist in the design, fabrication, and testing of microfluidic and biosensing devices for biomedical applications.
- Support day-to-day research activities, including experiment planning, data collection, and analysis.
- Maintain lab inventory, equipment, and supplies.
- Coordinate lab safety protocols, training, and compliance with institutional and regulatory guidelines.
- Provide administrative support for project documentation, grant reports, and procurement.
- Work closely with graduate students, postdoctoral fellows, and external collaborators to ensure smooth lab operations.

Successful candidate will be offered a full time (contract) as a member of the laboratory.

Requirements

Qualifications:

- Bachelor's degree in Biomedical Engineering, Mechanical Engineering, Electrical Engineering, or a related field.
- Master's degree in Engineering, Science, or a related discipline is also welcomed.
- Hands-on experience with laboratory techniques in microfabrication, biosensing, or bioinstrumentation.
- Familiarity with laboratory safety protocols and administrative processes.
- Strong organizational, multitasking, and communication skills.
- Proficiency with basic data analysis tools (e.g., Excel, MATLAB, or Python) and use of generative AI is an advantage.

To apply, please send your cover letter, CV and names of 3 references (name, institution, email) to Prof Lim Chwee Teck at ctlim@nus.edu.sg. Only shortlisted candidates will be contacted.