Job Description & Key Responsibilities

Research Assistant Position in Cell Mechanics and Mechanobiology

We are inviting applications for a Research Assistant to support ongoing research in the area of cell mechanics and mechanobiology. The successful candidate will work closely with a multidisciplinary team to investigate how mechanical forces influence cellular behavior, with applications in cancer biology, tissue engineering, and regenerative medicine.

Key Responsibilities:

- Assist in the design and execution of experiments related to cellular biomechanics, including traction force microscopy, micropatterning, and live-cell imaging.
- Support day-to-day lab operations, including equipment maintenance, reagent preparation, and inventory management.
- Ensure adherence to lab safety protocols and regulatory compliance.
- Analyze experimental data using standard tools (e.g., MATLAB, ImageJ, Excel) and assist in preparing research reports and documentation.
- Work collaboratively with researchers, graduate students, and external partners to support project goals.

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, or a related discipline.
- Master's degree in Engineering, Science, or a related field is also welcomed.
- Experience with cell culture techniques, microscopy, and mechanical testing methods is advantageous.
- Familiarity with data analysis tools (e.g., Excel, MATLAB, or Python) and an interest in using generative AI tools for research support.
- Strong organizational, communication, and teamwork skills.
- Demonstrated ability to multitask and manage responsibilities effectively in a research environment.

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.