

## VACANCY

Applications are invited from suitably qualified candidates for the post of **Research Assistant for a Task-Based Assignment** to work at the Biomaterials, Drug Delivery and Nanotechnology Unit, Centre for Biomedical and Biomaterials Research (CBBR) under the CBBR Biotech project (Biolab).

### Qualifications Required:

- A degree in biotechnology/microbiology with specialisation in biochemistry or equivalent.

### Profile

Candidates should:

- Have good research, organisation, and communication skills;
- Have progressive experience with proven ability to adapt to new techniques and technologies;
- Have experience in handling a fluorescence microscope;
- Be well versed with analytical and spectroscopic techniques;
- Have substantive experience working on in vitro human cell culture;
  - Thawing/Freezing/Maintenance/Passage/Seeding (Haemocytometer) of Mammalian cells
  - Preparation of drug aliquots and treatments for mammalian cells and antibiotic selection
  - Isolation of DNA, RNA, Proteins with either in-house products or commercial kits
  - Fixing of cells in either formalin or EtOH for downstream analysis
  - Dual plasmid transfection of mammalian cells prior to antibiotic selection to make reporter line
  - Microplate Reader for luminescence, fluorescence, colorimetry, UV/vis Spec
  - Nanodrop for Nucleic Acid Quantification
  - Centrifuge/Microcentrifuge Operation
  - Sonicator for cell lysis
  - Light Microscope operation
- Have experience in the initiation of bacterial culture from Agar stab/glycerol for plasmid amplification.

### Responsibilities & Duties

#### Task 1: 1-Month Duration

- Activate, culture, and maintain PC-12 cells following standard protocols;
- Prepare reagents, buffers, and media as required;
- Monitor cell health, growth, and confluency;
- Perform contamination checks and maintain sterile techniques;
- Maintain proper lab documentation and logs;
- Operate lab equipment safely;
- Document experiment procedures, results, and observations accurately;
- Help maintain lab organisation and inventory;
- Assist lab team members with daily research activities;
- Report to PI and CBBR team on a regular basis; and
- Carry out any other cognate duties.

#### Task 2: 1-Month Duration

- Activate, culture, and maintain PC-12 cells following standard protocols;
- Prepare reagents, buffers, and media as required;
- Monitor cell health, growth, and confluency;
- Passaging and cryopreserving cells as needed.
- Perform contamination checks and maintain sterile techniques;

- Follow all biosafety and chemical safety protocols;
- Maintain proper lab documentation and logs;
- Operate lab equipment safely;
- Document experiment procedures, results, and observations accurately;
- Help maintain lab organisation and inventory;
- Assist lab team members with daily research activities;
- Dispose of biological and chemical waste following safety guidelines;
- Report to PI and CBBR team on a regular basis; and
- Carry out any other cognate duties.

**Task 3: 1-Month Duration**

- Prepare reagents, buffers, and media as required;
- Monitor cell health, growth, and confluency;
- Passaging and cryopreserving cells as needed;
- Follow all biosafety and chemical safety protocols;
- Maintain proper lab documentation and logs;
- Operate lab equipment safely;
- Document experiment procedures, results, and observations accurately;
- Submit a progress report;
- Help maintain lab organisation and inventory;
- Assist lab team members with daily research activities;
- Report to PI and CBBR team on a regular basis; and
- Carry out any other cognate duties.

**Task 4: 1-Month Duration**

- Prepare reagents, buffers, and media as required;
- Monitor cell health, growth, and confluency;
- Passaging and cryopreserving cells as needed;
- Perform contamination checks and maintain sterile techniques;
- Follow all biosafety and chemical safety protocols;
- Maintain proper lab documentation and logs;
- Operate lab equipment safely;
- Document experiment procedures, results, and observations accurately;
- Help maintain lab organisation and inventory;
- Assist lab team members with daily research activities;
- Dispose of biological and chemical waste following safety guidelines;
- Report to PI and CBBR team on a regular basis; and
- Carry out any other cognate duties.

**Task 5: 1-Month Duration**

- Prepare reagents, buffers, and media as required;
- Monitor cell health, growth, and confluency;
- Passaging and cryopreserving cells as needed;
- Follow all biosafety and chemical safety protocols;
- Maintain proper lab documentation and logs;
- Operate lab equipment safely;
- Document experiment procedures, results, and observations accurately;
- Help maintain lab organisation and inventory;
- Assist lab team members with daily research activities;
- Report to PI and CBBR team on a regular basis; and
- Carry out any other cognate duties.

**Task 6: 1-Month Duration**

- Prepare reagents, buffers, and media as required;
- Monitor cell health, growth, and confluency;
- Passaging and cryopreserving cells as needed;
- Perform contamination checks and maintain sterile techniques;
- Follow all biosafety and chemical safety protocols;
- Maintain proper lab documentation and logs;

- Operate lab equipment safely;
- Document experiment procedures, results, and observations accurately;
- Submission of progress report;
- Help maintain lab organization and inventory;
- Assist lab team members with daily research activities;
- Dispose of biological and chemical waste following safety guidelines;
- Report to PI and CBBR team on a regular basis; and
- Carry out any other cognate duties.

### **Remuneration**

For each Task: an all-inclusive allowance of Rs 20,000/- **upon satisfactory completion.**

### **Duration of Contract**

For the task-based assignment (including Tasks 1, 2, 3, 4, 5 and 6), appointment will be offered for a contractual period of six (6) months. The proposed starting date will be **16<sup>th</sup> March 2026.**

### **Mode of Application**

Letter of application together with a detailed *Curriculum Vitae* and photocopies of qualifications, birth certificate, marriage certificate (if applicable), testimonials and equivalence of qualifications (where applicable) should reach **the Pro-Vice-Chancellor (Academia) (Attention: Principal Investigator: Prof Archana Bhaw-Luximon), University of Mauritius, Réduit**, OR email address [a.luximon@uom.ac.mu](mailto:a.luximon@uom.ac.mu), and copied to [pvcacd@uom.ac.mu](mailto:pvcacd@uom.ac.mu) by **04<sup>th</sup> March 2026, at latest.**

The envelope should be clearly marked **“Task-Based Research Assistant for CBBR Biotech - Biolab’** on the top right hand corner.

Applications received after the closing date will not be considered.

The University reserves the right:

- to call for interview only the most appropriately and best qualified applicants
- not to make any appointment as a result of this advertisement.
- to conduct a written/aptitude test as and when required.

**24 February 2026**

**Prof M I Santally  
Pro-Vice-Chancellor (Academia)**