

## 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 (Synthesis).

### Qualifications Required:

- A degree in chemistry with specialisation in materials engineering/polymers 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 nanospinners, scanning electron microscope, mechanical testing, thermal analysis, DLS;
- Be well versed with advanced chemical synthesis; and
- Have substantive experience working on industry projects.

### Responsibilities & Duties

#### Task 1: 1-Month Duration

- Synthesis and characterisation of particles;
- Synthesis of hydrogels loaded with nanoparticles;
- Assistance with report writing and documentation;
- Maintaining lab cleanliness and safety standards;
- Regular checking and troubleshooting of lab equipment;
- Assistance to research staff with any other research activities.

#### Task 2: 1-Month Duration

- Extraction of polymers from seaweed;
- Electron microscope images processing;
- Assistance with report writing and documentation;
- Maintaining lab cleanliness and safety standards;
- Regular checking and troubleshooting of lab equipment;
- Assistance to research staff with any other research activities.

#### Task 3: 1-Month Duration

- Synthesis of hydrogels loaded with nanoparticles;
- Electron microscope images processing;
- Characterisation of hydrogels;
- Assistance with report writing and documentation;
- Inventory management and ordering of chemicals;
- Submission of progress report;
- Maintaining lab cleanliness and safety standards;
- Regular checking and troubleshooting of lab equipment;
- Assistance to research staff with any other research activities.

#### Task 4: 1-Month Duration

- Synthesis and characterisation of hydrogels loaded with nanoparticles;
- Electron microscope images processing;
- Greenhouse trials with particles;
- Assistance with report writing and documentation;

- Regular checking and troubleshooting of lab equipment;
- Assistance to research staff with any other research activities.

#### **Task 5: 1-Month Duration**

- Electron microscope images processing;
- Greenhouse trials with particles;
- Assistance with report writing and documentation;
- Maintaining lab cleanliness and safety standards;
- Regular checking and troubleshooting of lab equipment;
- Assistance to research staff with any other research activities.

#### **Task 6: 1-Month Duration**

- Extraction of polymers from seaweed;
- Greenhouse trials with particles;
- Assistance with report writing and documentation;
- Inventory management and ordering of chemicals;
- Submission of progress report;
- Maintaining lab cleanliness and safety standards;
- Regular checking and troubleshooting of lab equipment;
- Assistance to research staff with any other research activities.

#### **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 March 2026, at latest.**

The envelope should be clearly marked **“Task-Based Research Assistant for CBBR Biotech - Synthesis’** 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)**