

# UNIVERSITY OF MAURITIUS

## VACANCY

Applications are invited from suitably qualified candidates for the post of **Research Assistant (Full-Time)**, to work at the Biomaterials, Drug Delivery and Nanotechnology Unit, Centre for Biomedical and Biomaterials Research (CBBR) on the Research Project KB028, for a contractual period of six (6) months.

### Qualifications Required:

- A degree in biology/biomaterials science/biomedical engineering.

### Profile

Candidates should:

- Have a strong background in biomedicine.
- Have good research, organization, and communication skills.
- Have progressive experience with proven ability to adapt to new techniques and technologies.
- Have experience in handling both murine and human cells as well as fluorescence microscope.
- Be well versed with advanced *in vitro* cell analysis (MTT assays, Elisa tests, immunofluorescence staining techniques).
- Be able to qualitatively and quantitatively analyze processes such as angiogenesis, collagen synthesis, cellular differentiation, and mineralization *in vitro*.
- Be able to work in teams.

### Responsibilities & Duties

- To handle and maintain cell culture: regular subculture, thawing, freezing.
- To ensure smooth running of the cell culture laboratory including ensuring availability of consumables, sterile water, sterile containers and maintain cleanliness in culture laboratories.
- To maintain equipment, laboratory area and supplies in a neat and professional manner.
- To optimize existing procedures for *in vitro* cell analysis (MTT assays, ELISA tests and staining techniques).
- To perform *in vitro* cell analysis on bioactive molecules stimulating cellular activities such as collagen synthesis, angiogenesis, etc.
- To establish protocols for testing cytotoxicity, anti-inflammatory activities, pro-inflammatory activities, etc. of bioactive molecules.
- To be involved in the procurement and purchasing of materials/consumables for the cell culture lab.
- To write up a report at the end of each month.
- To perform other duties directly related to the main duties listed above or related to the delivery of the output and results expected from Research Assistants in the roles ascribed to them.

### Remuneration

A monthly all-inclusive allowance of Rs27,400/-, plus salary compensation at approved rate, plus travelling expenses by bus.

### Duration of Contract

Appointment will be offered for an initial contractual period of 6 months, renewable if required. The proposed starting date will be 24 March 2023.

### 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 **20 March 2023, at latest**.

The envelope should be clearly marked "**Research Assistant for the project KB028.**" 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.

09 March 2023

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