

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) under projects KB027 and KB031, for a contractual period of 12 months. Two Research Assistants will be recruited.

Qualifications Required:

- A degree in medical materials engineering or biomedical engineering

Profile

Candidates should:

- Have good research, organization, and communication skills
- Have progressive experience with proven ability to adapt to new techniques and technologies
- Have experience in handling scanning electron microscope, transmission microscope, confocal microscope, atomic force microscope and a fluorescence microscope
- Be well versed with advanced chemical synthesis, hydrogels, nanospinning, nanoparticle synthesis and in vitro studies.
- Have substantive experience working on Industry projects related to chemical, biomaterials and biomedical engineering.

Responsibilities & Duties

- To perform advanced chemical synthesis and materials engineering experiments.
- To ensure smooth running of the projects using microscopes, nanospinners, particle size analyzers.
- To maintain equipment, laboratory area and supplies in a neat and professional manner
- To optimize existing procedures for biomaterials extraction.
- To establish protocols for testing cytotoxicity and in vitro studies
- To be involved in the procurement and purchasing of materials/consumables
- To write up a report at the end of each month
- The ideal candidate should be able to integrate the team of researchers at the BDDN Unit and liaise with Industry engineers and researchers.
- Any other duty as may be assigned by the Principal Investigator within the project

Remuneration

A monthly all-inclusive allowance of Rs 27,400/-, plus salary compensation at approved rates and travelling expenses by bus. An additional allowance of Rs 5,000/- will be provided as the candidate will handle two projects. Extra hours will be paid under overtime allowance.

Duration of Contract

Appointment will be offered for a contractual period of 12 months. The proposed starting date will be 03 January 2024.

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, and copied to pvcacd@uom.ac.mu by **18 October 2023, at latest**.

The envelope should be clearly marked "**Research Assistant for Biomaterials, Drug Delivery and Nanotechnology Unit, CBBR**" 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/apptitude test as and when required.

04 October 2023

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