



**Institute of Biochemistry, Molecular Biology and Biotechnology
University of Colombo**

Post of Temporary Scientific Assistant (Cell Biology) (On Contract)

The IBMBB will entertain applications from suitably qualified persons for the above post up to 02nd October 2023.

Temporary Scientific Assistant (Cell Biology) (On Contract)

01. Qualifications Required:

1. A First class or Second class (Upper) division in a special Degree examination in Biological Sciences, Biotechnology or Agriculture with Cell Biology as a course unit.

OR

2. A Second class (Lower) division in a Special Degree in Biological Sciences, Biotechnology or Agriculture with Cell Biology as a course unit.

OR

3. Pass in a Special Degree examination in Biological Sciences, Biotechnology or Agriculture with Cell Biology as a course unit.

OR

4. Pass in a General Degree examination with a recognized Postgraduate qualification in Biological Sciences, Biotechnology or Agriculture

*Expertise on handling stem cells or cancer stem cells will be an additional qualification.

Duties that the Temporary Scientific Assistant (Cell Biology) is expected to carry out include the following. He/ She to ensure that cell culture are maintained and grown properly and are free from contamination. This requires working after routing working hours, during the weekend and public holidays as well.

1. Maintenance of the Cell Culture Laboratory

- a) Day today routing cleaning
- b) Weekly cleaning of all instruments and the laboratory (Please note that in order to prevent contamination of Cell Culture Laboratory- cleaning is done by Scientific staff and general cleaning staff is not allowed in the Cell Culture Laboratory)
- c) Coordinating with Technical Officers responsible for purchases regarding purchasing of reagents, CO₂ and Liquid Nitrogen
- d) Transport of CO₂ cylinder and liquid nitrogen from the supplier to IBMBB (IBMBB does not own a vehicle for transport and the Scientific Assistant has to coordinate with Technical Staff/ general Office/ Finance section to find a suitable vehicle for transport and to visit the supplier for this purpose when needed)
- e) Carry out fumigation and other procedure needed to ensure that the laboratory is free of contaminating microbes, fungi etc.

2. Maintenance of Cell Lines

Propagation and freezing of cell lines available in the IBMBB

3. Preparation of Cell Cultures

- a) Cell Culture needed by MSc students for their projects to be grown and treated with appropriate substance
- b) Preparation of Primary Cell Cultures- liase with Medical Research Institute/ Faculty of Medicine to obtain animals needed for Primary Cell Cultures, establishment and maintenance of primary cell cultures (This requires sacrificing the animals)
- c) Demonstration of experiments on isolation and visualization of Cells and establishment of Cell Cultures to students
- d) Preparation and sterilization of media and other reagents required for Cell Culture
- e) Assistance to MPhil/ PhD students who needed to use Cell Culture Laboratory
- f) Handling cancer stem cells

4. Microscopy

Provide assistance to students who need to use the Phase Contrast and Fluorescent microscopes. Liase with the Technical Officers and service personnel regarding servicing of microscope.

5. Research involving Cell Culture/ Microscopy/ gene expression/ Protein detection on the Senior Academics. The work involved may need to be carried out during the weekends and public holidays whenever Cell Culture medium needs to be changed. Also if MPhil/ PhD students are carrying out Cell Culture experiments Scientific Assistant will need to be available after working hours on public holidays and during weekends to keep the Laboratory open.

Salary and Other Conditions of Appointment:

U-AS 1 (I): Rs. 48,385+ Rs. 7,800 (COL)

The selected candidate will be a member of the Employee Provident Fund as well as of the Employee Trust Fund. He/ She will contribute 8% of his/her monthly salary to the Employee Provident Fund and at the same time Institute will contribute 12% to the Employee Provident Fund. The Institute will make a contribution equivalent to 3% of his/her monthly salary to the Employee Trust Fund.

Note:

Age – Not more than 40 years

Appointment is for a period of one year with the possibility of extending for a further period of one year depending on satisfactory progress.

Duly prepared curriculum vitae with relevant certificates copies should be sent via email (vacancies@ibmbb.cmb.ac.lk) to reach Senior Assistant Registrar, Institute of Biochemistry, Molecular Biology and Biotechnology, University of Colombo, 90, Cumaratunga Munidasa Mawatha, Colombo 03 on or before 02.10.2023 The post should be indicated on the subject area of the email.

Director
IBMBB
No.90, Cumaratunga Munidasa Mawatha,
Colombo 03.
2023.09.18