

DEPARTMENT OF CELLULAR & PHYSIOLOGICAL SCIENCES
RESEARCH ASSISTANT/TECHNICIAN 2

1. JOB IDENTIFICATION

Present Job Classification: Research Assistant/Technician 2

Faculty: Medicine

Department: Cellular & Physiological Sciences

2. JOB SUMMARY

The Laboratory of Dr. Mark Cembrowski, in the Department of Cellular & Physiological Sciences, is looking to hire a Research Assistant/Technician 2 to oversee the day-to-day operations and perform technical, research, and academic tasks independently.

3. ORGANIZATIONAL STATUS

The position will work directly with other members of lab, including post-doctoral fellows, graduate students, senior technicians, as well as with the Principal Investigator, Dr. Mark Cembrowski. The position will also work with collaborators at Vancouver General Hospital.

4. WORK PERFORMED

Technical Duties:

- Assist in animal colony management, including: genotyping, surgical assistance and post-operative care, transcardial perfusions, euthanasia.
- Assist in performing histological techniques, including: sectioning of tissue on cryostats and vibratomes, immunohistochemistry, *in situ* hybridization, microscopy.
- Receipt and transportation of living and archived human brain tissue from Vancouver General Hospital.
- Assist with preparation of brain slices from living human brain tissue.
- Prepare reagents for experiments.
- Monitor use of reagents and other supplies, order lab supplies, maintain inventory, and complete purchasing documentation.
- Maintain laboratory information and data files; perform data analysis and prepare figures; present data at lab meetings.
- Provide support to research staff, postdoctoral fellows, students, and collaborators at Vancouver General Hospital.
- Maintain laboratory equipment.
- Ensure safety procedures are being followed (radioactive, chemical, and biological, etc.).
- Other lab duties as required.

September 7, 2022

5. CONSEQUENCE OF ERROR/IMPACT OF DECISIONS

- Ensures procedures and protocols are adhered to.
- Unusual problems are referred to Principal Investigator.
- Impact of incorrect decisions is significant, requiring self-assessment and procedural modifications as deemed necessary by the employee.

6. SUPERVISION RECEIVED

For training as the position develops, work will be performed in consultation with Principal Investigator, postdoctoral scientists, graduate students, and/or other lab members. After training, independent tasks are expected.

7. SUPERVISION EXERCISED

Will be expected to coordinate lab activities and provide support and potential training on procedures and operation of equipment to research staff, postdoctoral fellows, and students.

8. MINIMUM QUALIFICATIONS

High school graduation, some additional training in a related field and a minimum two years of related experience or an equivalent combination of education and experience

9. PREFERRED QUALIFICATIONS

University graduate preferred (B.Sc. in biology, neuroscience, or related disciplines). Demonstrated ability to independently develop projects, delegate instructions, and to resolve technical problems. Effective communication, organizational, and technical skills.