JOB TITLE: DMSC2 - Research Assistant in Neurobiology

DEPARTMENT NAME: Division of Medical Sciences

CONTACT NAME: Dr. Leigh Anne Swayne

JOB DESCRIPTION:
The Swayne Lab in the Division of Medical Sciences at the University of Victoria is looking for motivated individuals to join our efforts in dissecting the molecular mechanisms governing the formation of connections between cells in the brain and the establishment of functional networks in the healthy and diseased brain. For this, we used transgenic animal models, advanced microscopy, immunohistochemistry, in vitro Ca2+ imaging, and animal behaviour, as well as analysis of large genomics and proteomics datasets to identify proteins interactions relevant in the formation of synapses during development and disease states.

Some of the responsibilities include:
- Support with general lab tasks (preparing solutions, autoclaving, aliquoting, etc)
- Record keeping (laboratory notebook and digital files).
- Weekly reports to supervisors.
- Organization of files, images, and datasets.
- Follow standard operating procedures and protocols.
- Support managing the transgenic mouse colony.

The successful candidate will join a collaborative and communicative team of neurobiologist and gain expertise in various fields including: tissue sectioning and processing for immunohistochemistry, genotyping and transgenic mouse colony management, design and application of image analysis pipelines, and statistical analysis of large datasets.

QUALIFICATIONS:
The candidate will have completed second year studies. Preference will be given to Biology and Biochemistry and Microbiology students with competitive GPAs and evidence of excellent organizational, communication and teamwork skills. Experience in programming languages (R, Python, MATLAB), image analysis software (ImageJ/FIJI), or bioinformatics are an asset, but not required.

JOB LOCATION ON-CAMPUS: UVic Campus, Medical Sciences Building 336

WORK STUDY WAGE: $14.50/hour (includes 4% vacation pay)

DEPARTMENT TOP UP: N/A

HOURS AVAILABLE: 310 Hours

HOW TO APPLY: Please send an email with CV, letter of intent, and unofficial transcripts to lswayne@uvic.ca.

Applicants must be eligible for Work Study Program
For details go to: http://www.uvic.ca/registrar/safa/work-study/index.php