

Graduate student position studying sensory learning and adult neurogenesis – Lindsey laboratory – University of Manitoba

We are seeking an outstanding graduate student with an interest in adult neurogenesis, and learning and memory to lead an exciting new project focusing on the role of adult neural stem cells for learning in response to changes in the sensory environment. To address this question our lab takes advantage of the zebrafish model that houses adult neurogenic zones in brain structures that process both sensory and cognitive input. We have established numerous transgenic lines to address this question and have recently setup a new Noldus DanioVision Behavioural System for experimental design and behavioural analysis. This position will provide trainees the opportunity to learn zebrafish animal husbandry, innovate new behavioural and sensory learning paradigms, perform advanced imaging including confocal microscopy, correlative electron microscopy, and 3-D brain imaging methods, as well as transgenic design. Please visit our laboratory website for more information (www.lindseylab.ca). This project is funded by NSERC.

Eligibility:

- Excellent academic standing
- Strong written and oral communication skills
- Good problem solving skills and the ability to think independently
- Ability to innovate new research methods
- Related lab experience is preferred (but not mandatory)

The successful candidate will be admitted to the graduate program through the Department of Human Anatomy and Cell Science at the University of Manitoba, where they are expected to fulfill course work in addition to thesis based research. **The candidate will be paid an annual stipend to cover tuition and living expenses.**

Interested candidates are asked to submit a letter outlining their research interests, a CV including research experience and publications, a copy of recent transcripts and contact details for at least two references by email. **Position start date is September 2021.**

Contact Information

Dr. Benjamin Lindsey
Assistant Professor
Department of Human Anatomy and Cell Science
University of Manitoba
130 Basic Medical Science Building
745 Bannatyne Avenue
Winnipeg, Manitoba
Canada

Benjamin.lindsey@umanitoba.ca