Natural Sciences and Engineering Research Council of Canada

www.nserc-crsng.gc.ca

Undergraduate Student Research Award (USRA)

Summer 2023

Deadline to apply: Friday March 3rd at 4:30 pm

The School of Kinesiology and Health Studies has 3 positions available in the summer of 2023 assisting with NSERC-funded research.

SALARY : **$17.50/hour x 35 hours x 16 weeks = $9800.00**.

NOTES:

1. Priority will be given to students who are registered in the KIN program at Queen's.
2. Although NSERC states that an applicant *"must have obtained at least a "B" (2.7) average in your previous years of study"* students are advised that due to the competition for limited positions available in the SKHS, **students are not normally competitive unless they have obtained at least a minimum of A- (3.7 cumulative GPA) in their previous year.**
3. A decision will be made shortly after the deadline so both the student & professor have time to plan their summer.

This award is sponsored by the Natural Sciences and Engineering Council (NSERC) to stimulate interest in research and to encourage undergraduates to undertake graduate studies and pursue a research career.

- **Position #1: Open to all KIN students**

Human Vascular Control Lab under the supervision of Dr. Michael Tschakovsky

This position involves assisting in the collection and analysis of data in ongoing research studies in Dr. Tschakovsky' s Human Vascular Control Laboratory. Specifically, the candidate will learn to: work with research participants and other members of the research team as part of performing experimental protocols, use measurement techniques for investigating physiological responses to exercise, and organize, analyze and present data from these experiments. Success in this position will require excellent attention to detail, exceptional motivation and initiative, well-developed communication and problem-solving skills, an ability to learn and work independently and with the team, and a strong interest in human physiology. See Dr. Tschakovsky's SKHS faculty page for a description of his research.

How to Apply: If you meet the eligibility requirements and would like to apply for this position, please email Dr. Tschakovsky directly as follows:

To: Dr. Michael Tschakovsky mt29@queensu.ca
From: Full Name (queens.ca email)
Subject: USRA NSERC 2023 – Your Name

- ✓ Full name and student number
- ✓ Program and year of study
- ✓ Permission to access your Queen's transcript (which will be provided by the SKHS UG Office).
- ✓ One-page summary describing the characteristics and experiences that make you a good candidate.

Position #2 and #3: Reserved for KIN students who self-identify as Indigenous or Black

Candidates selected for these positions will be asked to complete two sets of self-identification questions prior to submitting their application to NSERC: a self-identification questionnaire whose data are used for general statistical purposes, and a self-identification statement whose data are used to identify recipients for targeted undergraduate funding opportunities.

- **Position #2:** Neuromechanics Lab under the supervision of Dr. Jessica Selinger

This position involves assisting in the collection and analysis of data in Dr. Selinger's Neuromechanics Lab. This will entail working with research participants and other members of the research team, as well as mastering the use of laboratory equipment such as motion capture, EMG, and force plates. Success in this position will require an ability to learn and work independently and with the team, strong problem-solving and quantitative analysis skills, and an interest in human biomechanics and motor control. See the Queen's Neuromechanics Lab webpage for additional details about the team and ongoing projects.

How to Apply: If you meet the eligibility requirements and would like to apply for this position, please email Dr. Selinger directly as follows:

To: Jessica Selinger j.selinger@queensu.ca
From: Full Name (queens.ca email)
Subject: USRA NSERC 2023 – Your Name

- ✓ Full name and student number
- ✓ Program and year of study
- ✓ Permission to access your Queen's transcript (which will be provided by the SKHS UG Office).
- ✓ One-page summary describing the characteristics and experiences that make you a good candidate.

- **Position #3: Sensorimotor Exploration Lab** under the supervision of Dr. Gerome Manson

This position involves assisting in the collection and analysis of data in Dr. Gerome's Sensorimotor Exploration Lab. The candidate will be responsible for working with laboratory members to design, pilot, and collect studies using motion capture and transcutaneous spinal stimulation. The candidate will also have the opportunity to work on projects that have direct clinical translation in patient populations and engage in outreach events in science promotion. Success in this position will require excellent attention to detail, well-developed communication and problem-solving skills, an ability to learn and work independently and with the team. The successful candidate must have a strong interest in motor learning, and motor control.

How to Apply: If you meet the eligibility requirements and would like to apply for this position, please email Dr. Selinger directly as follows:

To: Gerome Manson gerome.manson@queensu.ca
From: Full Name (queens.ca email)
Subject: USRA NSERC 2023 – Your Name

- ✓ Full name and student number
- ✓ Program and year of study
- ✓ Permission to access your Queen's transcript (which will be provided by the SKHS UG Office).
- ✓ One-page summary describing the characteristics and experiences that make you a good candidate.