Opportunities for Research Placements for 2022-23

Research-Based Practicum in Health Studies (HLTH 352/3.0)
and
Research-Based Practicum in Kinesiology (KNPE 352/3.0)

Application Deadline Monday, February 28th 2022 at 11:59 pm

Please submit applications directly to the relevant researcher(s) and copy (cc) Robert Watering at watering@queensu.ca on each of your e-mailed application(s). Students may submit applications to more than one faculty member. Applications should include a cover letter (either in the body of the e-mail, or as a separate document), unofficial transcript, and résumé.

KNPE & HLTH 352/3.0 is designed to provide a research-based practicum experience for students in Kinesiology or Health Studies who may be interested in working in the research labs and on research projects of SKHS faculty members. Students will be exposed to the research process as it applies to the research area in which they have chosen to intern. This process may include, but is not limited to, data collection and analysis, literature searches, manuscript writing, presentation skills, etc.

The other primary goal of this course is to expose students to the wide variety of research ongoing within the School of Kinesiology and Health Studies at Queen's University. Therefore, in addition to hands-on work in the research environment, this course will include a seminar series covering research topics and methodologies typically utilized in the fields of Health Studies, and/or Kinesiology. These seminars will cover a wide variety of topics relevant to research in general, as well as specific areas of research currently being investigated within the SKHS including physiology of exercise, biomechanics and ergonomics, epidemiology, health promotion; psychology of sport, physical activity, disability and health.

** Please note:*

1. *KNPE & HLTH 352 is a 3.0 credit unit course, but it spans across both the fall and winter terms.*
2. *New this year - KNPE & HLTH 352/3.0 is being offered during the spring & summer academic session with limited availability of positions and topics, in addition to the normal fall/winter session. Please see the following individual faculty members' summaries for information on availability of offerings.*
3. *Students may apply to as many positions as they would like. Please remember to copy (cc.) Robert Watering on each submission.*
4. *More positions may become available prior to the application deadline, and/or later in the term. A different application deadline may accompany any new positions available, as needed.*

Research Summaries of Supervisors Accepting Students for 2022-23 Academic Year

(Updated on 28 February 2022)

Dr. Jean Côté and Luc Martin (Sport Psychology)

Number of positions: Two to Four in fall/winter term; No positions available for spring/summer.

Are you interested in being involved in research exploring the elements of positive youth sport experiences? The sport psychology lab will be accepting up to **four** internship positions for the 2022-23 school year. Research in the sport psychology lab at Queen's focuses primarily on the characteristics of the youth sport environment (e.g., coach-athlete relationships, teammate interactions, coach characteristics) that create favourable conditions for excellence and participation in sport. In addition, current projects also relate to group dynamics principles (e.g., cohesion, subgroups) and coaching behaviours (e.g., transformational leadership) in sport.

Those students accepted for these positions will have opportunities to contribute to several ongoing projects, and will be working with data derived from observations (e.g., coding videos), interviews (e.g., transcription), and questionnaires (e.g., inputting data). Finally, students typically experience the research process within the field of sport psychology, from data collection (e.g., video-recording sport competition, questionnaire distribution) all the way to data analysis and writing.

- Interested students should contact Dr. Luc Martin and Dr. Jean Côté at luc.martin@queensu.ca and jc46@queensu.ca respectively, and attach a cover letter, unofficial transcript, and resume or CV. Please title the e-mail 'KNPE/HLTH 352 Research Internship Application' in the subject line.

Dr. Elijah Bisung (Health Promotion)

There is up to one research internship position in the Center for Environmental Health Equity under the supervision of Dr. Elijah Bisung. In 2022/2023, Dr. Bisung is seeking a student to work on a project related to:

- Epidemics and health systems preparedness

Examples of tasks include conducting literature review and data analysis to understand perceptions of health systems preparedness and inequalities.

Interested students should send a cover letter, unofficial transcript, and resume or CV to Dr. Elijah Bisung by e-mail at elijah.bisung@queens

Dr. Eun-Young Lee (*In Situ* Population Health Research Lab)

See the *In Situ* lab's webpage (insituph.ca) for more information.

Number of positions: Up to two – Spring/Summer 2022 *and* Fall/Winter 2022-23 Course offerings

In Situ Lab investigates social and environmental inequalities that have impact on human movement behaviours (e.g., physical activity, sedentary behaviour) and population health. On the topics of climate change, intersectionality (race- and gender- focused), movement behaviours and health, interns will work in a dynamic team environment alongside graduate students and researchers around the world, participating in literature reviews and/or various knowledge translation activities (e.g., mini reviews, systematic reviews, journal publications, website blog postings, podcasting).
Interested students should contact Dr. Eun-Young Lee (eunyoung.lee@queensu.ca) with a cover letter, unofficial transcript, an example of written work (e.g., a term paper), and a resume/CV. A cover letter should clearly indicate one's interests in one of the research themes outlined on the lab webpage (insituph.ca) and their relevant experiences. Please title the e-mail "KNPE/HLTH 352 Research Internship Application."

Dr. Jennifer Tomasone (Revved Up Research Group)

Number of positions: Spring/summer (1), Fall/winter (1-2)
Dr. Tomasone is a Co-Director of the Revved Up Research Group (revvedupgroup.ca), which strives to translate research knowledge about physical activity into practical guidelines and programs that foster full and meaningful participation for all Canadians. In 2022/2023, Dr. Tomasone is seeking internship students to work on projects related to:

1. Developing and evaluating interventions that disseminate and implement the Canadian 24-Hour Movement Guidelines for Adults.
2. Evaluating quality participation in the Revved Up Exercise Program, and how to modify the program to ensure optimal experiences for persons with disabilities.

The successful intern(s) can work remotely if required/preferred.

Interested students should send a cover letter, unofficial transcript and a resume/CV to Dr. Tomasone (tomasone@queensu.ca). Please title the email "KNPE/HLTH352 Research Internship Application".

Dr. Kyra Pyke (Cardiovascular Stress Response Lab)

Number of positions: Up to two positions for spring/summer *and* up to three for fall/winter.

There are up to **three** internship positions (*two* for spring/summer) available in the Cardiovascular Stress Response Lab (CVSRL, Dr. Pyke) for the 2022-23 academic year. The CVSRL research focuses on improving our understanding of basic vascular function including responses to exercise training, as

well as understanding the impact of psychological stress on the cardiovascular system. The internship position will provide an opportunity to be involved in data collection and analysis. This includes developing skills related to the use of laboratory equipment and software. Participation in regular laboratory meetings will provide additional opportunities to learn about study design, cardiovascular physiology and communication of study findings. The position requires a commitment of 80h in the lab over the course of the term (~ 4hrs/week most weeks of the term).

- Interested students should send a cover letter, an unofficial transcript, and their resume to Dr. Pyke at pykek@queensu.ca. Please title the e-mail 'KNPE/HLTH 352 Research Internship Application'.

Dr. Chris McGlory (Molecular Nutrition Lab)

Number of positions: Up to three

There are up to **three** internship positions available in the area of Molecular Nutrition research for the 2022-23 academic year. The studies will involve examining how nutrition and resistance exercise affect the cellular and molecular signals that affect muscle growth in young women.

- Interested students should send a cover letter, an unofficial transcript, and their resume to Dr. McGlory at chris.mcglory@queensu.ca. Please title the e-mail 'KNPE/HLTH 352 Research Internship Application'.

Dr. Gerome Manson (Biomechanics and Motor Control and Development)

Number of positions: Up to four students in fall/winter course offering, *no spring/summer positions*.

There are up to **four** internship positions available in the area of Biomechanics research for the 2022-23 academic year. The objective of Dr. Manson's research program is to understand the influence of sensory information on the planning and control of goal-directed actions. In particular, he is interested in the underlying processes that differentiate a movement made toward a target located on the body (i.e. a somatosensory target) versus a movement to an external object. He uses a combination of sensory manipulations, motion tracking, and neuroimaging to answer these questions.

Research internship students in the sensorimotor exploration lab will be involved in studies investigating human motor control and motor learning. Students will learn how to collect human neurophysiological data and gain an in-depth understanding of how we learn and perform daily actions.

Interested students should send a cover letter, an unofficial transcript, and their resume to Dr. Manson at gm99@queensu.ca with 'KNPE/HLTH 352 Research Internship Application' in the subject line.