

Aman Hussain, PhD.

My research program attempts to fulfill my research mission which is, to serve those who serve. Spanning prehospital emergency medical services, high risk/high stress occupations, workplace learning, health professions education, and kinesiology, my research is qualitative, focusing on ongoing professional development. I have completed research projects on adult learning in high performance coaching contexts, the process of 'becoming' emergency medicine physicians, and prehospital ongoing professional development of emergency medical services (EMS) personnel. Any student interested in these areas should feel free to contact me at am.hussain@uwinnipeg.ca.

Tom Hammond, PhD. Adjunct Professor

I am the Executive Director of Science & Innovation at Well Aligned Consulting. With over 15 years of international consulting experience, I have worked across the healthcare, banking, government, non-profit, higher education, and professional sport industries.

My research is focus on clinical sport psychology, subjective wellbeing (happiness), and organizational performance. Recent projects include failure-based depression among elite athletes, evaluating athletic coping skills in relation to wellbeing and most recently a qualitative study to better understand the post-Olympic athlete experience.

2023 Research Project -Rest or Run

This year's Honours project will focus on understanding the effect of exercise and sleep on the psychological wellbeing of university students across the mental health spectrum. Should you Rest or Run? Students will gain experience working with large data sets (~50k participants), experimenting with multiple statistical analyses and gain insight into psychological wellbeing, measures of anxiety and depression.

For more information, please email at t.hammond@uwinnipeg.ca

Glen Bergeron, PhD.

Glen is happy to consider honours students with an interest in concussions (prevention, assessment or management), sport injuries (epidemiology, rehabilitation) or the promotion of values based sport (see <https://truesportpur.ca/manitoba/true-sport-manitoba>). Email: g.bergeron@uwinnipeg.ca

Robert Pryce, PhD.

Dr. Pryce does research in clinical biomechanics, where he studies injuries affecting the low back and spine. Students will learn to use inertial measurement units to conduct lab-based studies of human movement under various conditions, such as prehospital spinal precautions, gait, and materials handling. Email: r.pryce@uwinnipeg.ca

Melanie Gregg, PhD.

Melanie Gregg, PhD has opportunities for students to explore research in the area of sport psychology with projects focusing on:

- Developing physical literacy
- Athletes with intellectual impairment and international classification
- Athletes with intellectual impairment and focus of attention
- Mental imagery use and emotions in sport

Email: m.gregg@uwinnipeg.ca

Yannick Molgat-Seon, PhD.

Research Area: Exercise and Respiratory Physiology

The goal of Dr. Molgat-Seon's research is to improve our understanding of the influence of respiratory factors on exercise performance in healthy humans across the lifespan and in patients with chronic respiratory disease. His work involves detailed pulmonary function testing, cardiopulmonary exercise testing, as well as assessment of respiratory muscle function in humans. As part of the Honours Thesis Program, Dr. Molgat-Seon will work together with students to develop a project they will lead throughout the program.

Read some of Dr. Molgat-Seon's research here: [https://pubmed.ncbi.nlm.nih.gov/?term=Molgat-Seon%20Y\[Author\]](https://pubmed.ncbi.nlm.nih.gov/?term=Molgat-Seon%20Y[Author])

Each year, Dr. Molgat-Seon supervises 1-3 Honours students, depending on availability. Interested students are encouraged to contact Dr. Molgat-Seon directly at y.molgat-seon@uwinnipeg.ca

Natalie Richer, PhD.

Dr. Richer's research focuses on the neural control of balance in healthy aging. Her objective is to find a way to reduce the occurrence of falls in older adults. With the help of mobile brain imaging, she examines how the brain is involved in standing and walking. Dr. Richer welcomes any student interested in motor control, motor learning, and the neural control of movement to reach out to discuss potential projects. Please contact Dr. Richer directly at n.richer@uwinnipeg.ca.