



Sarah Mitchell-Ewart received MS2Discovery Student Award

Sarah Mitchell-Ewart is a student member of the MS2Discovery Interdisciplinary Research Institute. Her research is focused on Biomechanics Movement, Human Gait and Posture, Neuromechanics, the role of the CNS and Somatosensory system in regards to human gait. Sarah advances research within two priority research themes at the Institute: Nanoscience and Nanotechnology, Renewable Energy and Sustainable Development (Tecton 1) and Life Sciences, Biotechnology and Bioinformatics (Tecton 2).

Mitchell won a MS2Discovery Graduate Student Award that supported her travel to the Canadian Society for Biomechanics Conference held in July 2016. She presented her thesis, "The Effects of Altered Plantar Somatosensory input on Simulated Falls during Walking" as a poster and presentation at the conference. Specifically, her thesis focuses on the relationship between somatosensory feedback from the plantar surface of the foot and how altering this information changes human gait during adaptive conditions, such as falling. In her report Sarah states that she "was able to receive valuable input and suggestions to enhance further work based upon my study".

Mitchell's thesis work is still in the process of preparing to be submitted to an academic journal. As her research focuses on fall prevention methods, she is interested in continuing work in this area. Sarah is currently working at the University of Waterloo as a contract Lab Demonstrator working with a variety of undergraduate courses. Her long-term goals include pursuing further education with a continued focus on biomechanics.



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