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**Graduate research opportunity in biomechanics (gait variability) at the University of Regina, Canada.**

The program in Kinesiology and Health Studies (KHS) at the University of Regina (Regina, Saskatchewan, Canada) seeks a highly motivated student interested in pursuing a M.Sc. (Kin.) with an emphasis in gait biomechanics (specifically, gait variability). The student will receive an annual assistantship of approximately \$14,000 for a period of two years to investigate gait variability in individuals with relapsing-remitting multiple sclerosis (MS). This funding is made available through a Collaborative Innovation Development Grant funded by the Saskatchewan Health Research Foundation ([www.shrf.ca](http://www.shrf.ca)). The student will be supervised by Dr. John M. Barden, an Associate Professor in the Faculty of KHS. Dr. Barden's research interests involve the use of sensor technology to investigate patterns of locomotor movement in sport (e.g., swimming) and in health (e.g., walking and running).

Applicants should have a research interest in biomechanics and gait analysis as it applies to specific populations (e.g., older adults, MS, knee osteoarthritis, etc.) in addition to the following qualifications:

1. An undergraduate degree in Kinesiology or Human Kinetics (or similar program such as sport science, physical education, etc.).
2. Previous experience (e.g., Honour's degree, summer internship) in biomechanics.
3. Good computer skills.
4. Good oral and written communication skills.

The Faculty of Kinesiology and Health Studies (<https://www.uregina.ca/kinesiology/>) is located in the \$32 million Centre for Kinesiology, Health and Sport, which opened in September 2004. The Centre has outstanding laboratory and research facilities, including the fully equipped Neuromechanical Research Centre (NMRC), the Alliance Health Centre and the Dr. Paul Schwann Applied Health and Research Centre.

The Neuromechanical Research Centre (<https://www.uregina.ca/kinesiology/research/nmrc/index.html>) is a 2600 sq. ft. research space that is engaged in a variety of diverse projects relating to human movement and health. It is equipped with an 8-camera Vicon MX 3D motion capture system, two 8-channel Delsys EMG systems, two AMTI force plates, multiple motion sensors (e.g., XSens IMUs), an isokinetic dynamometer and Matlab and Visual 3D software.

The successful applicant will be considered for admission to either the Spring (May 2017) or Fall (Sept. 2017) semesters. Interested individuals should submit a CV and statement of research interest by mail or e-mail to Dr. John Barden by **March 31, 2017**.

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