

## MSc/PhD Studentship: Comparative/Integrative Locomotor Muscle Physiology

The Welch Lab at the University of Toronto Scarborough (UTSC) has openings for promising MSc/PhD students to start in Fall 2010. Research will center around comparative studies of fuel use and locomotor muscle physiology, examined within both ecological and evolutionary contexts. Projects will employ an integrated approach to relevant questions and will involve variable amounts of both lab and field-based research. The muscles powering bird flight (hummingbird hovering in particular) are a focus of the lab. However, promising proposals for research projects involving other systems are welcome.

The Welch Lab (<http://www.utsc.utoronto.ca/~kwelch/>) is newly-formed, energetic, and passionate about high quality research that bridges understanding of ecology, evolution, physiology and behavior. The lab maintains, or is developing, active collaborations with research labs in Canada, the USA, Mexico, Chile, and beyond, with potential for lab/field work in each of these countries.

UTSC is a mid-sized campus in an eastern suburb of Toronto, and Biological Sciences (the Welch Lab campus affiliation) has about 25 faculty and 75 graduate students (there are about 11,000 undergrads on the campus across all faculties). UTSC is located on parkland along the edge of a ravine, and is much quieter and more intimate than the larger St. George campus. As we are part of the U of T system, we have full access to the libraries, digital collections, and other resources of the larger University.

These positions will suit students with backgrounds in ecology, evolution, and physiology (and preferably with experience in all of these). Please visit the Welch Lab website (<http://www.utsc.utoronto.ca/~kwelch/jointhelab.htm>) or e-mail Dr. Ken Welch ([kwelch@utsc.utoronto.ca](mailto:kwelch@utsc.utoronto.ca)) for more information.

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