

### **MSc Position in Mitochondrial Biology and Oxidative Stress**

The Kamunde Lab in the Department of Biomedical Sciences at the Atlantic Veterinary College, University of Prince Edward Island, is looking for a highly motivated MSc student. The overarching goal of our current research is to test the idea that oxidative stress is a pervasive fundamental response of biological systems to stressors. The successful candidate will investigate the mechanisms underlying how temperature, hypoxia or metals modulate ROS homeostasis and redox status. Specifically, the project will utilize isolated mitochondria and cardiomyocytes to delineate the roles and relative contributions of the mitochondria and extra-mitochondrial compartments in regulating cellular ROS and redox state. The candidate should have a strong background in at least one of the following: biochemistry, animal physiology, toxicology, or cell biology. Interested candidates should send a current CV, a statement of research interests and experience, an unofficial copy of academic transcript, and the names and contact details of two academic referees to Dr. Collins Kamunde ([ckamunde@upei.ca](mailto:ckamunde@upei.ca)). The position is available to start in September 2018. The recommended minimum stipend for MSc students in the Department of Biomedical Sciences is \$25,000 per year for 2 years.

