**Postdoctoral fellowship exploring neurophysiological adaptations to hypoxia in African mole rats**

The Pamenter Lab at the University of Ottawa invites applications for a post-doctoral fellow in comparative neurophysiology. The position will commence on January 1st, 2017 (flexible). The fellowship duration will be at least 1 year with an opportunity to extend to up to 3 years with demonstrated performance. Candidates with external funding will be eligible for a generous top-up.

In addition to a broad interest in comparative physiology, candidates should have a solid background in mammalian brain-slice electrophysiology and/or live-tissue microscopy. Experience in small mammal surgery (especially MCAO or similar approaches) would be beneficial.

The successful candidate will employ *in vivo* and *in vitro* techniques to explore putative cellular, synaptic, and 2nd messenger signaling pathways that modulate neuronal energetics and protect the brains of hypoxia-tolerant species during periods of low oxygen and/or ischemic stresses. A number of model organisms are available for study in the lab, although we are particularly interested in the biology of naked mole rats, which are among the most hypoxia-tolerant mammals identified, and other African mole rat species. To learn more about current and past research projects, visit pamenterlab.ca

The University of Ottawa is located in vibrant heart of Canada's Capital region. The lab is a member of both the uOttawa Comparative Physiology group, which is among the top-ranked globally, and also the uOttawa Brain and Mind Research Institute, which is a national leader in neuroscience research, affording a variety of exciting collaborative opportunities with leading physiologists and neuroscientists.

Candidates interested in the position should submit a cover letter outlining their interests, a CV including a list of publications, and contact information for 2-3 academic references to Matthew Pamenter: mpamenter@uottawa.ca