

**MSc/PhD position in Computational Neuroscience  
(Queen's University, Canada)**

The Laboratory for Computational Sensorimotor Neuroscience at Queen's University (Kingston, Ontario, Canada) seeks applications for an MSc/PhD position in the field of sensorimotor control. The successful applicant will join Dr. Gunnar Blohm's lab (<http://brain.phgy.queensu.ca/gunnar/index.html>) within the highly dynamic and stimulating Centre for Neuroscience Studies (<http://www.queensu.ca/neurosci/>) at Queen's. Projects will involve a combination of modeling and simulation techniques addressing sensory-motor transformations and multi-sensory integration in eye and arm movements.

Candidates should hold (or expect) a degree in Applied Mathematics, Computer Science, Physics, Engineering or equivalent and have good computational and programming skills. Applicants from other programs (such as Neuroscience, Psychology or similar) will also be considered if they can demonstrate the required mathematical and programming skills. The successful candidate will be expected to implement geometric and Bayesian models and to design, implement, train and analyze artificial neural networks using Matlab and/or other programming languages (e.g. C, Delphi, Fortran). The project will also involve behavioural experiments to test predictions.

Queen's University is one of the three top Canadian Universities. It is among the few in Canada that offers a graduate program in Neuroscience with an impressive multi-disciplinary research education ([http://www.queensu.ca/neurosci/grad\\_studies.htm](http://www.queensu.ca/neurosci/grad_studies.htm)). Students evolve in cutting-edge research labs and get access to the most advanced computer and research equipment. They receive intensive, individual training through graduate courses, hands-on laboratory research and participation at international conferences. Graduates of Queen's Neuroscience program are recognized to be among the most skilled young researchers in Canada and the world, which ensures best opportunities for their future career.

To apply, please email the following items preferably as PDF files to Dr. Gunnar Blohm ([blohm@biomed.queensu.ca](mailto:blohm@biomed.queensu.ca)):

1. a brief summary of qualifications and their relevance to the project
2. transcripts (unofficial/scanned are acceptable)
3. curriculum vitae
4. available start date
5. names and contact information of at least 2 references