

**Auditory Neuroscience
Graduate & Postdoctoral Student and Faculty Exchanges
McMaster University, Hamilton, Ontario, Canada**



Department of Psychology, Neuroscience & Behaviour
McMaster Institute for Music & the Mind (MIMM)



McMaster University invites applications for graduate or post-doctoral student and faculty exchanges assisted by mobility fellowships from the Erasmus Mundus training network in Auditory Cognitive Neuroscience <http://www.uni-leipzig.de/~acn/index.html>.

McMaster University is located in Hamilton, Ontario, on the western tip of Lake Ontario between Niagara Falls and Toronto—Canada's most populous region. McMaster is home to a diverse interdisciplinary group of faculty with research interests in auditory science including psychologists, neuroscientists, mathematicians, music theorists, musicians, kinesiologists, health researchers, and biomedical and electrical engineers. Active areas of investigation include sensorimotor integration during musical listening and performance, effects of music training on cognitive and social development in normative and special populations, effects of hearing loss on auditory processing, synaptic and systems electrophysiology of the mammalian central auditory system, and biomedical and computational studies aimed at ameliorating deficits in auditory processing related to hearing impairment. In addition to the research laboratories of our faculty, the McMaster Institute for Music & the Mind (MIMM) will house a state-of-the-art music performance laboratory (scheduled for completion in 2012) that has been designed as a small concert hall to simultaneously record brain activity and the motor actions of small groups of performers or listeners in a virtual acoustic environment (<http://mimm.mcmaster.ca/>).

Applicants should consult the Erasmus Mundus ACN web site to obtain an application form and details on how to apply (see the link above). Applicants to McMaster must come from Germany, the UK, France, or Finland. Preference is given to students applying from one of the ACN partner institutions in these countries, but applications from students at other institutions in these countries will be accepted. Prior consultation with one of the potential supervisors listed below is essential. **The application deadline is June 15th 2011.** Awards include a monthly stipend of 1500 Euros (doctoral level), 1800 € (post-doctoral level), or 2500 € (faculty or staff) plus 2000 € for travel expenses. Student fellowships are awarded for a duration of 6 to 10 months and may be divided into segments if justified by the research activity. Student fellowships may commence as early as 01 July 2011 but no later than 31 December 2011. General inquiries may be directed to Professor L. E. Roberts (roberts@mcmaster.ca).

Dr. Suzanna Becker – Computational models of hearing loss and tinnitus; applications becker@mcmaster.ca
Dr. Steven Brown – Neuroscience of vocalization and emotional prosody stebro@mcmaster.ca
Dr. Ian Bruce - Computational models of normal and impaired hearing; applications ibruce@ieee.org
Dr. Paul Faure - Neuroethology of audition and acoustic communication paul4@mcmaster.ca
Dr. Deda Gillespie - Auditory development and plasticity: cells and systems dgillespie@mcmaster.ca
Dr. Larry Roberts – Neuroscience of tinnitus; neural plasticity in the auditory system roberts@mcmaster.ca
Dr. Laurel Trainor - Auditory-motor interactions; music perception; auditory development lit@mcmaster.ca