

Training position in neuroanatomy / neuroinformatics

Available at Neural Systems and Graphics Computing Laboratory (NeSys), Centre for Molecular Biology and Neuroscience & Institute of Basic Medical Sciences, University of Oslo. URL: <http://www.nesys.uio.no/> or <http://www.rbwb.org/>.

We seek well-motivated prospective PhD candidates for one year training as Research Assistant in the field of systems neuroanatomy, neuroimaging, and neuroinformatics. The position is intended to provide technical and scientific training as preparation for subsequent application for PhD scholarship. Training will include teamwork participation on ongoing projects that aim to resolve principles of organization in somatosensory cortical and subcortical neural circuits in the rat brain as well as neurodegenerative disease models. Experimental work will involve axonal tracing, histology for whole brain serial sectioning, image analysis, computerized 3-D reconstructions, and digital atlasing techniques.

The laboratory is headed by Prof. Jan G. Bjaalie and Dr. Trygve B. Leergaard. For publication list and scientific achievements, see www.nesys.uio.no and www.rbwb.org. The group is also involved in anatomical mapping in transgenic disease models as well as μ PET and μ MRI brain atlasing projects.

Research environment: The group is part of a Norwegian Centre of Excellence (www.cmbn.no). The laboratory is fully equipped for electrophysiological mapping and high-precision stereotaxic surgery, and has a recently renewed microtome park and state-of-the-art automated microscope systems running Neurolucida. The group currently has 12 members, including 1 postdoc, 1 PhD student, 2 predoctoral students, 3 informaticians, a PET engineer, and a part-time lab technician.

Qualifications: The applicant must have a relevant Masters degree and should have a neuroscience related background. Experience with axonal tracing techniques, neuroimaging and image analysis is an advantage.

Terms: The position is available immediately. Salary is according to Norwegian standards and commensurate on experience.

Application and CV should be sent to jobs@rbwb.org by August 5. 2007, with reference to 'Training position' in the subject header. Questions to t.b.leergaard@medisin.uio.no