Postdoctoral Fellow Position on Imaging Genetics of Infants

Job description:

Computation functional anatomy laboratory at National University of Singapore (http://www.bioeng.nus.edu.sg/cfa) focuses on brain and cognition studies using neuroimaging techniques. Our group is leading a large-scale longitudinal neurodevelopmental project from birth onwards in Singapore. The project examines neurocognition using EEG and eye trackers, brain development using diffusion tensor imaging (DTI), resting-state fMRI, and structural MRI, genetic and epigenetic influences on cognition and brain. Thus far, we have collected both functional and anatomical imaging as well as genetic and epigenetic data of 200 newborns and their follow-up at six months. The follow-up scanning at 4, 6, and 8 years will start soon. We are looking for a research fellow who is interested in developing and (or) employing pattern recognition approaches to understand the relationship of the brain with psychopathology in early life and how environmental factors and genetics influence such relationship. Or the candidate is interested in developing spatial-temporal analysis tools for this longitudinal datasets.

Requirements:

· Ph. D or MD

· Neuroimaging Research background is preferable but necessary

· Knowledge in multivariate statistical analysis is necessary

· Good communication and writing skills in English language

If you are interested in the jobs listed above, please send your CV to

Associate Prof. Anqi QIU

Department of Biomedical Engineering

National University of Singapore

Email: bieqa@nus.edu.sg

Phone: +(65) 6516 7002