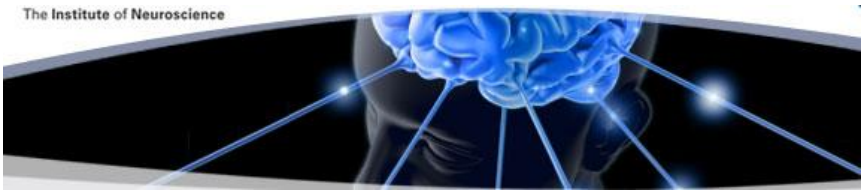

Post Doctoral Position: Neuronal mechanisms of cognition: multisensory convergence for learning and memory

Research Associate position

Supervisor: Prof. Chris Petkov
Collaborators: Profs. Tim Griffiths, Matthew Howard, Ole Jensen, Simon Hanslmayr
Duration: At least 1 year, with extensions possible
Closing date: Applications will be evaluated until the closing date: ***September 1st, 2018***

A post-doctoral position is available for an European Research Council funded program grant on **neuronal mechanisms of cognition: multisensory convergence for learning and memory**. The scientific work is a collaboration between Newcastle University, UK (Profs. Christopher Petkov and Timothy Griffiths), University of Iowa, USA (Department of Neurosurgery, Prof. Matthew Howard III) and University of Birmingham, UK (Profs. Ole Jensen and Simon Hanslmayr).

The successful candidate will work on cutting edge behavioral, fMRI and electrophysiological experiments in nonhuman primates to study neuronal oscillations, cognition and multisensory integration using innovative learning and memory tasks. Testing of cognitively impaired patients or neural recordings in patients being monitored for surgery is possible and will help to translate to humans the mechanistic information that requires the work with primates. Neural system perturbation by stimulation or inactivation will establish causal relationships for learning/memory.

The work will be in the laboratory of Prof. Christopher Petkov at Newcastle University Medical School in Newcastle upon Tyne, UK. A PhD in neuroscience or a related field is required for appointment as a Research Associate, but we can also consider strong candidates close to completing their PhD provided that there is proof that PhD completion will complete before appointment.

We seek an individual who already has evidence as a strong scientist, with strong technical and computing skills (in Matlab and/or Python) including a strong publication track record. Expertise involving behavioral and neurophysiological work in humans (e.g., EEG/MEG/neurophysiology) or related techniques in other animals are strongly recommended. Being able to work independently, professionally, ethically with the nonhuman animals and collegially as part of a team are a must.

Value of the Award: The salary is commensurate with post-doctoral experience. International applicants are encouraged to apply but will need to have obtained permission to work in the UK prior to appointment.

How to Apply: Send chris.petkov@ncl.ac.uk a covering letter, full CV and the contact information of at least three individuals as professional references. The covering letter should state how your interests and experience relate to the project and the position. Please include 'ERC Post-Doctoral Position' in the email subject field.

Further Information: To find out more about the position please contact chris.petkov@ncl.ac.uk or browse the lab website: http://www.staff.ncl.ac.uk/lcnncl. Websites of collaborators: click on their names above.