

We are inviting applications for a postdoctoral position in the group 'Modelling of dynamic perception and action' (<http://www.cbs.mpg.de/depts/n-3/dyn>) at the Max Planck Institute for Human Cognitive and Brain Sciences (MPI-CBS), in Leipzig, Germany.

Current projects of the group focus on developing computational models that explain human action and perception by means of Bayesian online inference for nonlinear dynamical systems. An additional emphasis is placed on linking these dynamic models to experimental work on perception and action.

The research is conducted at the MPI-CBS in Leipzig, Germany, an internationally leading centre for cognitive and imaging neuroscience. The projects are partly in collaboration with the Wellcome Trust Centre for Neuroimaging in London, UK. For theoretical work, the institute is equipped with high-performance computing facilities. For experimental work, the institute is equipped with a 7.0T MRI scanner, two 3.0T MRI scanners, a 306 channels MEG system, a TMS and several EEG systems. All facilities are supported by experienced physics and IT staff.

Applicants must have a PhD (or equivalent) in physics, neuroscience, or a related field and should be able to demonstrate a consistently outstanding academic record including publications. The ideal candidate has expertise in nonlinear dynamical systems, has worked in neuroscience before and is motivated to apply his/her expertise in a multidisciplinary team (mathematicians, engineers, psychologists). The candidate is expected to be an innovative and enthusiastic researcher with an interest in working on projects within the general framework of the group. The candidate will also be encouraged to actively contribute with own ideas and proposals.

Starting date for the position is flexible. Salary is dependent on experience and based on MPI stipends or equivalent salary according to German Public service regulations. The position is initially for two years with possible extension.

The MPI-CBS is an equal opportunity employer, committed to the advancement of individuals without regard to ethnicity, religion, gender, age or disability.

Interested candidates are encouraged to get in touch at their earliest convenience. Applications are considered until 1st of October 2010 but reviewing of the applications will start immediately.

For questions or an informal discussion about this position please contact Dr. Stefan Kiebel (kiebel at cbs.mpg.de; +49 (0) 341-9940-2435).

The following documents should be included in the application in a single PDF-file:

- curriculum vitae
- contact details of two personal references
- a brief description of personal qualifications and future research interests.

Applications should be sent by email to: dynamics@cbs.mpg.de