PostDoc position at the Neural Dynamics of Visual Cognition Lab, Free University Berlin, Germany

A full-time PostDoc position is available at the Neural Dynamics of Visual Cognition Lab of Radek Cichy at Free University Berlin, Germany. Initial appointment is for 2 years with the option to renew for another year. The position is funded by an Emmy Noether award by the German Research Foundation.

Preferred starting date is between autumn/winter 2018.

The lab's core research mission is to elucidate the neural dynamics of visual object and scene processing in the human brain. A sample of topics currently investigated are i) how sensory representations are converted into semantic representations, ii) how cognitive capacities such as imagery or mental rotation are mediated by feed-forward and feedback information, iii) the role of visual cortex in the blind, and iv) how the brain harvests structural regularities in the visual world for recognition.

We use a variety of methods: neuroimaging methods fMRI (3T and 7T) and MEG/EEG to resolve visual information flow in space and time, computational modelling using artificial deep neural networks (DNNs), and behavioural assessment. Analysis of data is carried out using multivariate analysis techniques, in particular decoding and representational similarity analysis.

We seek a highly qualified PostDoc with a doctorate in a relevant field (e.g., psychology, neuroscience, computer vision, cognitive science, ...) and shared interests in the core research mission described above. The researcher should have extensive research with either EEG/MEG or fMRI methodology or both, as well as very good programming skills (matlab or python).

Interested candidates should send a CV, a brief statement of research interests and the names and contact details of two academic references to rmcichy@gmail.com preferably before August 1st, but later applications will be considered until the position is filled.

Looking forward to hearing from you,
Radek

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