

Postdoctoral position on eye movements and visual perception interactions

This position is available in Lyon, France

at the Lyon Neuroscience Research Center (Dir. Olivier Bertrand), IMPACT Team under the direction of Denis Pélisson, Ph.D.

The position is funded for two years by the National Agency for Research (ANR). The position follows standard French salaries at University of Lyon (UCBL1), with a net salary between 1 800 and 2 200 € per month (depending on training, degree & experience) including social benefits and French health insurance.

Expected starting date: October 2017, but applications will be considered until the position is filled.

The project will aim at identifying the neural substrates of sensorimotor functions underlying saccadic eye movements and visual perception. This objective will be addressed using functional magnetic resonance imaging (fMRI) in healthy human volunteers, using a 3.0 T Siemens scanner equipped with an EyeLink1000 device at the Lyon neuroimaging center (CERMEP).

The post-doctoral fellow will develop and run new neuroimaging protocols based on saccadic tasks with gaze-contingent visual stimulation, perform advanced analyses (activation studies, MVPA, functional connectivity, DCM ...), synthesize results at the group level, and write reports and scientific articles.

The postdoctoral fellow will join the IMPACT team (<http://u864.lyon.inserm.fr/>), which has a long-standing expertise in the investigation of sensorimotor functions in Humans (eye, head, limbs, whole-body), based on advanced behavioral and kinematic analyses, associated with neuromodulation (TMS, tDCS), neuroimaging (MRI, TEP) and electrophysiology (EEG, MEG).

Required skills:

- *Ph.D. in Behavioral or Cognitive Neuroscience, Psychology, Engineering or related field
- *Autonomy in programming in MATLAB, Python or C
- *Experience in building and running fMRI protocols, and imaging analysis software (SPM, BrainVoyager, FSL, ...)
- *Knowledge on oculomotor control, visual perception and/or spatial attention will be a bonus
- *Fluency and solid writing skills in English are expected. French is not a requirement.

Please apply to Denis Pélisson (denis.pelisson@inserm.fr) with the following information:

- CV including a brief (1 page) summary of previous research
- Short letter of motivation describing research interests
- Name of three colleagues who could provide a letter of recommendation