Postdoctoral Position
On Brain Imaging Visualization and Co-registration

**Location:** Amiens, France  
**Application Deadline:** Dec 25, 2014  
**Organization:** Picardy University

The Research Group on Multimodal Analysis of Brain Function (GRAMFC, Inserm UMRS 1105) is an internationally renowned research laboratory located at the University Hospital of Amiens and the medical school of Picardy University, with access to a wide range of experimental facilities - including fMRI (GE 3T MRI scanner), two research-dedicated high resolution EEG systems (equipped for both 64 and 128 channel recordings), four Near Infrared Spectroscopy (NIRS) instruments (frequency domain, and continuous wave systems) for functional imaging of human brain. Our group focuses on functional brain development and the cognitive deficits associated with neurological disorders in children of all age groups, from premature infants to adolescents with an emphasis on early language and attention brain development and the effects of epilepsy on cognitive development. We work in collaboration with other research groups from University of Montreal, University of Illinois, and Neurospin.

Our team is conducting a project to analyze and integrate structural MRI data as well as functional brain imaging data concurrently recorded using high density NIRS and EEG systems.

Applications are invited for a twelve-month postdoctoral position extendable to 2 years (full-time) in the medical school of University of Picardy Jules-Verne, under the supervision of Prof. Fabrice Wallois. The position is fully funded by the French National Institute of Health and Medical Research (INSERM).

Applicant must have a PhD degree in Computer Science, Electrical or Biomedical Engineering, or related fields. This position involves visualization and coregistration of medical images of different modalities including cerebral MRI, CT, EEG, and NIRS. Candidates with a strong interest in and experience with methods for integrating multimodal imaging measures, including functional and structural imaging data, are in particular encouraged to apply. Experience in using SPM, Freesurfer, FSL, Paraview and AFNI as well as in multiple programming language types including compiled C++, shell scripting, Python and MATLAB are preferable. Applicant should be self-motivated and must have a willingness to do inter-disciplinary research and collaborative teamwork.

If interested, please send your CV, letter of motivation, and the names and contact information for 2 references by e-mail to Prof. Fabrice Wallois (fabrice.wallois@u-picardie.fr) at your earliest convenience. We will consider applications until December 25, 2014 if position is not yet filled.