

Post-doctoral position to study advanced imaging biomarkers of cognitive dysfunction in patients with multiple sclerosis

A post-doctoral position is available to participate in a project investigating the underlying physiopathology of cognitive disability in patients with multiple sclerosis. The candidate will also collaborate in multicentre studies exploring the biology of progression with MRI-based tissue phenotyping and in the search of biomarkers of response to conventional treatments in multiple sclerosis. The projects will employ several advanced MRI techniques such as diffusion tensor imaging, structural connectivity analysis, spectroscopy and evaluation of brain and spinal cord volume loss.

We look for a highly qualified and strongly motivated candidate interested in joining an emergent research group at the Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS, Barcelona). Our team is interested in understanding the basis of disease evolution of neuroimmunological diseases such as multiple sclerosis through the use of advanced imaging techniques and in the translational application of technological improvements. The IDIBAPS is a biomedical research consortium that aims to integrate state-of-the-art basic research and quality clinical research in order to acquire and transfer knowledge concerning the main health problems present in our society, with the final purpose of improving their prevention and treatment.

ELEGIBILITY

- PhD in neuroscience.
- Experience in MRI analysis and the use of packages for image processing (FSL, Freesurfer, LCModel or Matlab).
- Experience in performing neuropsychological evaluations.
- Statistical knowledge.
- Good publication record.
- Candidates will be requested to show independent scientific-thinking with excellent oral and written Communications skills in English and Spanish.
- Excellent motivation and working in a team capacity.

APPLICATION PROCEDURE

Please send CV along with the name of 1-2 referees, and brief statement of career goals (max 2-pages) to:

Sara Llufrí, MD, PhD

Advanced Imaging in Neuroimmunological Diseases

Hospital Clínic Barcelona – IDIBAPS

sllufriu@clinic.ub.es

Deadline for applications: 13th November 2015.

IDIBAPS is an equal opportunity employer.

All applications will be treated in the strictest confidence.