



Technician in Neuroimaging

The [Neuropsychology group](#) seeks a candidate for Neuroimaging research position to give technical support on MRI data processing and analyses in the following research lines:

- EXPERIMENTAL NEUROLOGY
 - NEUROIMAGING IN DEGENERATIVE DISORDERS (CJNEUROLAB); PI: [Junqué, Carme](#)
- COGNITIVE AND BEHAVIOURAL NEUROSCIENCE
 - NEUROPSYCHOLOGY GROUP; PI: [Junqué, Carme](#)
 - BARCELONA BRAIN STIMULATION LAB (BBS_LAB); PI [Bartrés-Faz, David](#)
 - OBESITY AND NEUROIMAGING; PI [Jurado Luque, María Ángeles](#)
 - HEALTHY AGING AND CEREBROVASCULAR DISEASE; PI [Mataró, María](#)
 - CEREBRAL PALSY AND NEUROIMAGING; PI [Pueyo, Roser](#)

Essential Duties

- Advice PhD students on MRI data analyses and preprocessing. Specifically, functional and structural connectivity analyses.
- MRI analyses protocols scripting and harmonization.
- Conduct innovative MRI analyses.
- Perform technical presentations.
- Document research and write-up drafts for papers in peer-reviewed journals as a coauthor.

Required Qualifications

- The candidate should have a Ph.D. in Neuroscience, Applied Math; Bio engineering/Biomedical Engineering; Applied Physics/Medicine and translational research or similar.
- Demonstrated advanced analytical and experimental skills. Have a strong theoretical interest in modeling brain neuroimaging data and proficiency in computer programming for image processing and analysis (e.g. using Matlab, Python or other languages).





- The successful candidate will have demonstrated skill in research in computational methods and machine learning. Expertise in diffusion, functional and/or quantitative MRI is required. Prior experience in the development of brain image registration, segmentation or analysis tools/pipelines is desired.
- Demonstrated written and verbal communication skills to author technical and scientific reports, publications, and invited papers, and deliver scientific presentations.
- Good interpersonal communication skills necessary to collaborate effectively in a team environment and be capable of independent original work.

The candidate will work in Neuroimaging laboratory located at Department of Medicine (Faculty of Medicine and Health Science) but also at the Neuropsychology Laboratory located at Department of Clinical Psychology and Psychobiology (Faculty of Psychology).

How to apply

Applications must be submitted at cjunque@ub.edu (reference Technician in Neuroimaging) and should include a cover letter, curriculum vitae, and email address of three references.

Application deadline date is **22 July 2019**.

