

2 year postdoc/engineer position in neuroimaging at the ICM in Paris

We are looking for an enthusiastic and highly motivated postdoc to join our team “**repair in Multiple Sclerosis: from biology to clinical translation**” at the **Brain & Spine Institute (ICM)** in **Paris**. Our goal is to understand the pathophysiological mechanisms underlying **Multiple Sclerosis** through the combination of advanced **MRI** and **PET** brain imaging.

The successful candidate will have a significant experience in imaging processing and will also bring new expertise to our team.

50% of the time will be dedicated for technical support to the group’s projects (participation in the scientific discussions, implementation of analysis pipelines, training of PhD and MSc students) and 50% to the development of specific research projects (development of new analysis methods, integration of multi-modal images, machine learning, implementation of new sequences ...)

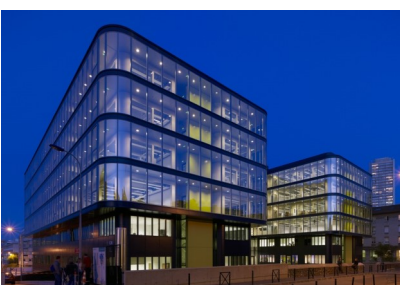
Among the equipment available at the ICM, we have direct access to a 3T Siemens PRISMA scanner with both a 32 and 64 channels head coils, a 3T GE Signa PET/MR scanner and an upcoming 7T Siemens TERRA.

Required skills:

- Experience with standard neuroimaging pre-processing techniques (image registration, segmentation, ...)
- Experience with the Linux environment
- Knowledge of Python and MATLAB

Desired skills:

- Experience with common neuroimaging software (FSL, FreeSurfer, ANTs, ...)
- Experience with High Performance Computing (HPC)
- Knowledge in statistics.



ICM: The Institut du Cerveau et de la Moelle épinière (<https://icm-institute.org>) is an international brain and spinal cord research centre whose innovative concept and structure make it the only institute of its kind in the world. The ICM brings patients, doctors and researchers together with the aim to develop treatments for disorders of the nervous system and enable patients to benefit from them as quickly as possible.

