Title                             : **Biomedical Research Engineer**
No. of Position(s)        : One (1) position
Location                      : Paris, France
Starting date               : November 2018

**JOB DESCRIPTION**

The successful applicant will work in the Group of Clinical Research on Alzheimer Precision Medicine (GRC-APM) at the site of Pitié-Salpêtrière Hospital of Sorbonne University under the supervision of Prof. Harald Hampel, holder of AXA Research Fund & Sorbonne University Chair « sur le dépistage de la maladie d’Alzheimer».

The GRC-APM has as main objective the advancements in detecting, treating, and preventing Alzheimer’s disease (AD) by the implementation of a Precision Medicine (PM) strategy. The successful applicant will be tasked with coding in efficient ways analytical methods and build internal capabilities and gears for these methods. He/she would also be responsible for setting up and running statistical and neuroimaging analysis pipelines for scientific studies. It would be expected for the Biomedical Research Engineer to regularly monitor and assess data quality for on-going projects and provide feedback to collaborators.

**Duties include:**

* To develop MRI pipelines and data analyses in particular DTI data and their integration with structural MRI and functional MRI
* To support researchers in the team during the scientific writing process
* To manage the internal database, which may include the development of new user interfaces.

**Desired qualifications:**

* Experienced in processing structural MRI and DTI neuroimaging data
* Demonstrated high level capacity for scripting with different languages, such as Python, R, MATLAB
* Familiarity with system administration, project and neuroimaging data management
* Familiarity with neurological concepts and/or experience with Alzheimer’s disease is desirable
* Ability to integrate multimodal data, including neuroimaging data, biological markers and genetic data will be appreciated.

**Education & experience**

Master's degree Biomedical Research Engineer or related field. Two years of relevant experience is

 highly desirable though not necessary

**Knowledge, skills and abilities:**

* Strong analytical and organizational skills.
* Ability to learn and utilize relational databases, data integration, and statistics.
* Strong written and oral English communication skills.
* Ability to understand scientific literature, experimental procedures and their limitations, and current needs of the research community, as applied in clinical neuroscience and neuroimaging research.

Position length: The position is supported for 4 years. However, candidates will be appointed for 1 year, with an extension possible based on progress

Salary: 2,183 € gross / month

Please send a brief letter of motivation and your detailed CV as one pdf (<2MB) to patrizia.chiesa@icm-institute.org