Paris Brain Institute (ICM) is recruiting a:

Junior engineer bioinformatics / bioinformatician (M/F)

As soon as possible

18 months (extendable)

A Paris 13ème

The Paris Brain Institute (ICM) is a private foundation recognized as being of public utility, whose purpose is fundamental and clinical research on the nervous system. On the same site, 700 researchers, engineers and doctors cover all the disciplines of neurology, with the aim of accelerating discoveries on the functioning of the brain and the development of treatments for diseases such as: Alzheimer's, Parkinson's, multiple sclerosis, epilepsy, depression, paraplegia, tetraplegia, etc.

POSITION

Context

The Paris Brain Institute is investing in cutting-edge technologies and expertise as part of its transversal approach to the discovery of new treatments for neurological diseases. The Data Analysis Core facility (DAC) mission within this ambitious program is to develop new tools and analyses, coordinate FAIR data governance across the institute, and accompany researchers in exploiting the full potential of the institute's technology and data ecosystem. The DAC consists of an enthusiastic interdisciplinary team of experts in biostatistics, bioinformatics, computational neuroscience, and data management. We accompany researchers throughout the research cycle, from idea to publication. We perform analyses, develop databases, and offer training in data analysis and good practices in data management. We are currently recruiting new team members to strengthen our expertise in bioinformatics (spatial transcriptomics), image analysis using deep learning (microscopy, histology, and neuroimaging), and research data governance. If you are interested in the brain and want to apply your skills in a stimulating research environment, the DAC could be the place for you.

Job description (mission)

- Development of new methods in single-cell analysis
- Perform routine NGS analysis for research teams
- Support research teams in NGS analysis and interpretation of results
- Document and teach single-cell analysis and other types of NGS analysis

PROFILE

Know-how (Savoir-faire)

- Expertise in the analysis of single-cell data
- Skills in building high-throughput sequencing data analysis

- Expertise in human and animal genomic data analysis
- Proficiency in UNIX environments (shell), programming (especially scripting and R)

Knowledge (Savoir)

- Bac+5 (master or engineer) in bioinformatics, or equivalent level in biology/computing completed by a professional experience in the other field
- Professional experience of at least one year in the field of NGS analysis
- Autonomy to quickly learn new methods adapted to the wide variety of data

Soft skills (Savoir-être)

- Good command of academic English
- Ability to integrate into a multi-disciplinary team with team spirit, and collaborative work style
- Ability to communicate with researchers from various scientific backgrounds
- Motivation for complex projects and to advance research in Neuroscience!

Please send your CV and letter of motivation (in English), indicating name and contact details of two references (incomplete dossiers will not be considered) to recrutement@icm-institute.org *and* stephen.whitmarsh@icm-institute.org with the subject: "Junior engineer bioinformatics".