

Laboratoire/Entreprise : CNRS UMR 8256

Durée : 11 months

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Study Engineer Position – data-base manager, Bioinformatics & systems modeling for neurodegenerative disease research, Paris, France

Host lab:

Brain-C Lab, Institute of Biology Paris-Seine (IBPS), Paris

see <https://www.ibps.sorbonne-universite.fr/en/research/neuroscience/brain-c>)

Project: A 11 months position is immediately available in the Brain-C Lab in Paris for a bioinformatician at the Study Engineer (IE) level (post-master position). The selected candidate will work with a team of mathematicians, bioinformaticians, and neurobiologists on modeling time- and cell-resolved omics data to built computational models of molecular pathogenesis in neurodegenerative diseases such as amyotrophic lateral sclerosis (ALS), integrate data from other diseases such as Huntington's disease (HD) and disseminate data via online platforms. The selected candidate will use BioGemix, our post-omics machine learning platform and related databases. This position is a unique opportunity to further develop expertise and skills in a multidisciplinary team and network of direct collaborators that cover systems modeling, database development, and cellular neurobiology for breakthrough in neurodegenerative disease research.

Profile: The candidates should hold a Master in Bioinformatic or a Master in Informatics and they should have no more than 3-4 years of post-master experience. The position is full time, on site, and candidates should have strong collaborative skills and commitment to team work along with strong ability to work independently in addition to strong interest for research.

• **Training and required skills:**

Experience working with NGS data and performing respective bioinformatic pipelines in order to process sequencing data.

- Programming autonomy on at least one of the following languages: python, R, C / C ++.
 - Good knowledge of basic web technologies: PHP, MySQL, JavaScript, jQuery.
 - Fluency on Ubuntu.
 - Hands-on experience with in house server maintenance (Backup, shared space, and webserver).
 - Scientific English essential
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- Skills in data visualization will be a plus.
 - Basic knowledge in statistics and machine learning are desirable but not mandatory.

Application: Interested candidates should apply immediately by sending a letter of motivation, a full CV, and the names and emails of two-three references to christian.neri@inserm.fr and lucile.megret@sorbonne-universite.fr