Study Engineer Position – Bioinformatics & systems modeling for neurodegenerative disease research, Paris, France

Host lab:
Brain-C Lab, Institute of Biology Paris-Seine (IBPS), Paris
see http://www.ibps.upmc.fr/en/research/biological-adaptation-and-ageing/brainc)

Project: A two-year 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 build 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 molecular systems modeling and cellular neurobiology for breakthrough in neurodegenerative disease research.

Profile: The candidates should hold a Master in Bioinformatic or Informatics or Mathematics 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:**

- 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 in using Ubuntu.
- Hands-on experience with in house server maintenance (Backup, shared space, and webserver).
- Scientific English essential
- Skills in statistics and in machine learning (graph learning, optimal transport) will be a plus.
- Skills in data visualization will be a plus.
- Experience working with NGS data and performing respective bioinformatic pipelines in order to process sequencing data will be a plus.
- Basic knowledge in molecular and cell biology 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

Employment address:
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