

Team "Sleep and Emotional Memory"
Institut du Fer-a-Moulin
UMR-S 1270 Inserm / Sorbonne Université
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Engineer position in the Girardeau Lab, Institut du Fer à Moulin, Paris

The team "Sleep and Emotional Memory" at the Institut du Fer-a-Moulin (IFM) in Paris is looking for an engineer for a 2-year position. We study the neural mechanisms involved in the « off-line » (i.e. sleep and rest) processing of memories, with a particular interest in emotional memories and anxiety, using large-scale in vivo electrophysiology, optogenetics and behavior in rodents.

Main duties and responsibilities :

- Set up and optimize the data processing pipeline, including spike sorting and video analysis.
- Set up and manage the lab github repository for shared code
- Supervise data management and backup
- Review lab members's code and enforce good coding practices
- Participate in the team's research projects through experimental data analysis.

Secondary duties :

- Develop 3D printing of small parts for chronic implants
- Participate to the automation of behavioral tasks (electronics/Arduino)

Required skills :

- Excellent coding abilities in Python and Matlab.
- Experience in data science
- Ability to communicate clearly with non-specialists
- Proficiency in English

Candidates must hold a Master or PhD, preferentially in maths, physics, engineering or information technologies. A basic knowledge of neuroscience and/or experimental data processing would be appreciated. We are seeking applicants with rigor, autonomy, adaptability and good communication skills.

Gross salary : between 2138€ and 2770€ /month according to the INSERM salary grids as a function of diploma and experience.

Starting date : January 2023

To apply, please send a cover letter and CV including contact(s) for reference(s) to gabrielle.girardeau@inserm.fr before November 1st, 2022.

We are dedicated to providing a safe, inclusive environment. Women and people from historically underrepresented groups are encouraged to apply.

