

## **PhD position available – Lab of Neurophysiology, ULB Neuroscience Institute, Brussels, Belgium.**

### **Job Description**

We offer a multidisciplinary research environment with international collaborations, integrated in an exciting scientific environment at the [ULB Neuroscience Institute](#). In a FNRS MIS starting funded project, we investigate the role of dopamine and the basal ganglia in regulating sleep/wake states and conveying sleep functions associated to learning and emotional memory, under normal conditions and disease models.

Our methods employ a combination of state-of-the-art neuroscience techniques like optogenetics, neural circuit tracing, in vivo imaging and electrophysiology in freely behaving mice to selectively control and monitor the activity of specific neuronal population during natural sleep and operant conditioning.

The PhD position is embedded within the [Neuroscience Doctoral School](#) of the Belgian French-speaking University Institutions and ULB PhD graduate programmes in life sciences/biomedical sciences.

The Lab of Neurophysiology benefit from several core facilities and local collaborations (imaging (confocal & two-photon microscopy, lightsheet fluorescence microscopy, PET-CT scans), proteomics, genomics, transgenesis, cell sorting, bioinformatic and bioengineering). The lab has its own super-equipped mouse behavioral and optogenetic facility located on Erasme Anderlecht Campus in Brussels, a beautiful and welcoming town, central in Europe offering lots of opportunities.

### **Expected background**

We seek for highly motivated team workers enthusiastic and curious about science. Applicants will hold outstanding MSc degree or equivalent in neuroscience, life science or a related subject. Computational background is a plus.

Expected start date: immediate but flexible (up to 6 months); the initial appointment will be for two years. Salary for this position follows the ULB mobility PhD fellowship salary scale.

### **How to apply**

Please email: 1) a cover letter describing research interests/motivation, 2) curriculum vitae and 3) contact details of 2 references to [patricia.bonnavion@ulb.be](mailto:patricia.bonnavion@ulb.be) (Dr Patricia Bonnavion F.R.S. FNRS Chercheuse Qualifiée – Associate Researcher, [Lab of Neurophysiology](#) ULB Neuroscience Institute, 808 route de Lennik, 1070, CP 601, Brussels, Belgium ; phone : +32 2 555 4115).