

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

**Job Description**

A postdoctoral fellow position is available for a project that investigates the striatal role of dopamine in sleep and arousal states regulation, and its influence on sleep functions associated to learning and emotional memory.

The selected candidate will employ a combination of optogenetics, neural circuit tracing, in vivo imaging and electrophysiology in freely behaving mice to selectively control and longitudinally monitor the activity of specific neuronal population in a circuit-based approach during natural sleep and operant conditioning.

The postdoctoral researcher will benefit from international collaborations and interdisciplinary research groups from the [ULB Neuroscience Institute](#) offering several core facilities (imaging (confocal & two-photon microscopy, lightsheet fluorescence microscopy, PET-CT scans), proteomics, genomics, transgenesis, cell sorting, bioinformatic and bioengineering). The Lab of Neurophysiology 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 a postdoctoral fellow (PhD) who has a strong background in neurobiology, ideally in sleep or rodent behavior. Experience in stereotactic surgery, optogenetics and immunohistochemistry/histology is desirable. Experience in calcium imaging and/or coding 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 is determined according to ULB mobility fellowship salary scale.

**How to apply**

Please email: 1) a cover letter describing research interests, 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)