

<div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 10px;"> Université de Strasbourg </div> <div style="text-align: center; flex-grow: 1;"> Call for Post-doc </div> </div>		
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JOB DESCRIPTION

Job Title: The role of the circadian regulation of dopaminergic system in bipolar disorder

Job Summary:

Bipolar disorder (BD) is a severe psychiatric condition characterized by dramatic mood changes, including recurrent depressive and manic episodes. A better understanding of the BD pathophysiology is needed to improve the treatment. Establishing an adequate animal model for BD can be a useful tool to advance the knowledge. Current major hypotheses for BD propose disturbances in dopaminergic system and dysregulation of the circadian clock.

We plan to generate and functionally and behaviorally characterize a novel mouse model for BD by genetically, virally & pharmacologically manipulate circadian clockwork selectively in the dopaminergic system. The project involves a combination of molecular biology, in vivo electrophysiology (fiber photometry) and behavioral techniques.

Job Description:

The project involves a combination of molecular biology, in vivo electrophysiology (fiber photometry) and behavioral techniques. Thus, the successful candidate must have PhD in life science and equivalent, excellent English communication skills and previous EU/France recognized certified experience with stereotactic surgeries in rodents (virus injections, canula/electrode implantation. Expertise in behavioral paradigms, basic molecular biology techniques, fiber photometry, EEG recordings and analyses, MathLab (or similar) is an advantage.

The postdoctoral researcher will benefit from all the scientific equipment already available and validated in our lab.

If you are interested in applying for this position, please contact:

**Dr. Tsvetan Serchov, HDR
serchov@inci-cnrs.unistra.fr**

**Research group leader: Circadian clock, sleep and homeostatic plasticity in mood disorders
Institute of Cellular and Integrative Neuroscience (INCI), Strasbourg**

and include the following documents as a single PDF file:

- * Motivation letter (no more than 1 page).**
- * Curriculum vitae (as detailed as possible; please present your journal publications separately from conference publication).**
- * Names of at least two references, including contact details.**

See also our website for additional information: https://inci-en.u-strasbg.fr/?page_id=3709

Main research field: Neuroscience

Agricultural sciences / Anthropology / Architecture / Arts / Astronomy / Biological sciences / Chemistry / Communication sciences / Computer science / Criminology / Cultural studies / Demography / Economics / Educational sciences / Engineering / Geosciences / Environmental science

/ Ethics in health sciences / Ethics in natural sciences / Geography / History / Information science / Juridical sciences / Language sciences / literature / Mathematics / Medical sciences / Neurosciences / Pharmacological sciences / Philosophy / Physics / Political sciences / Religious sciences / Sociology / Technology / Other / All

Offer Requirements: EU/France recognized certificate for animal experimentation and rodent surgery

Eligibility criteria: PhD degree must be defended less than 2 years prior to the begin of the project

JOB DETAIL

Type of contract: 1 year

Status: full time postdoc

Company / Institute: **Institute of Cellular and Integrative Neuroscience (INCI), CNRS**

Country: France

City: Strasbourg

Postal Code: 67000

Street: **8, Allée du Général Rouvillois**

APPLICATION DETAILS (mandatory)

Provisional start date: 01/01/2023

Application deadline: 05/11/2022

Application e-mail: **serchov@inci-cnrs.unistra.fr**