

Postdoctoral Research Associate Position in Alban de Kerchove d'Exaerde's Team.

My group in the Neurophy Lab of ULB has an opening position (July 2022) for an outstanding Postdoctoral Researcher in the area of drug addiction. The project branches from our previous work on the mandatory role of Maged1 in drug addiction (De Backer et al., EMBO Rep 2018; Cheron et al.2022, submitted). The applicant will be engaged in a study on different mouse models to decipher the molecular, cellular and circuitry mechanisms underlying the absence of any cocaine effect in mice lacking Maged1. The successful candidate will use state-of-the-art in vivo techniques in mice (e.g. in vivo calcium imaging, DA sensor imaging, optogenetics, ...) coupled with behavioural paradigms as well as RNA seq, ChIP seq and proteomic approaches.

Profile :

- The postholder must have a PhD in life sciences or equivalent with a competitive publication record, an international profile and excellent English communication skills.
- Experience with behavioural paradigms, in vivo calcium imaging, signal analysis is required (at least three years of bench); experience with omics approaches and optogenetic is an asset.
- The candidate will conduct efficiently, and at the level appropriate for a postdoctoral fellow, original research on the mandatory role of Maged1 in addiction. They will have day-to-day responsibility for running their own research project but the group leader will coordinate the long-term direction of the project.

We offer :

The postdoctoral researcher will benefit from: all the scientific equipment already available and validated in the Neurophy Lab (3 in vivo electrophysiological setups; 3 in vivo Ca2+ imaging devices (nVista, nVoke, nVue, Inscopix); 20 skinner boxes; 2 Videotracking systems; 4 ex vivo electrophysiological setups; our own animal facility for behavioural paradigms and maintenance of multiple transgenic lines; all in vivo optogenetical tools and 4 stereotaxic set ups), an international Neuroscience Institute (ULB Neuroscience Institute (<https://uni.ulb.ac.be/>) with several mouse groups and supported by several Core Facilities (Light Imaging, Proteomics, Genomics, Transgenesis, Cell sorting, Bioinformatics) supported by ULB and located in the Capital of Europe, Brussels.

Brussels in addition to be a beautiful town, with prestigious university colleges, has 3 Academic hospital as Erasme Hospital beside the Neurophy Lab.

The postdoctoral researcher will receive a competitive salary from existing grants for 3 years, with the possibility of extension for two more years.

If you are interested in applying for this position, please contact me: Alban de Kerchove d'Exaerde (Research Director, WELBIO Investigator, President of Belgian Society of Neuroscience) via adekerch@ulb.ac.be and include the following documents:

- * Motivation letter (no more than 2 pages).
- * Curriculum vitae (as detailed as possible; please present your journal publications separately from conference publication).
- * Names of at least three references, including contact details (one of which must be the Ph.D. advisor of the candidate).
- * PDFs of possible publications.

See also our website for additional informations : <https://neurophyulb.ulb.be>