

## Tenure Eligible Investigator

### Neurosciences – Innovative treatment and human performance sciences

Job number: JF-3-2017-05

The University Bourgogne Franche-Comté (UBFC) is recruiting a tenure eligible investigator in the field of “*Neurosciences – Innovative treatment and human performance sciences*”, specifically in the laboratory of Integrative and Clinical Neurosciences (<http://neurosciences.univ-fcomte.fr/>) located in Besançon (France). This position is supported by the French “Investissements d’Avenir” program, project ISITE-BFC.

We encourage applications of outstanding scientists investigating this field of research owning a PhD degree, featuring at least three years of postdoctoral experience; a substantive record of publications and the potential to develop an independent research program.

The successful applicant will be provided a 450 k€ grant (including her/his salary and research budget) for a period of three years. The salary will be negotiated on the basis of education and experience. It integrates a benefit package including retirement, health insurance, annual and sick leave.

UBFC ([www.ubfc.fr](http://www.ubfc.fr)) is a research university federating six organizations. The tenure eligible position will be provided by Université de Franche-Comté, member of the UBFC federation, during the tenure probation period. During the same period, the successful candidate will be committed to apply for an European Research Council (ERC) grant.

UBFC and Université de Franche-Comté are equal opportunity employers.

#### Job description:

##### ***About the hosting research team***

The research activities of the transdisciplinary team (biology, psychiatry, neurology) concern the study of emotional regulation and dysregulation both in humans and animals (decision-making, reward, perceptual systems, hedonic processes).

The Laboratory of Neuroscience is looking for highly motivated, enthusiastic neuroscientist candidates to join our multidisciplinary, translational neuroscience team, which focuses on the neural circuitry of mood disorders and cognitive impairments, and uses animal models,

cellular neurophysiology, optogenetics, anatomy, computational modelling, and other approaches to study the impact of NIBS (rTMS, tDCS, VNS).

### ***Targeted profile***

The ideal candidate will have a PhD with emphasis on molecular and cellular neurobiology and experience with in vitro patch clamp electrophysiology and optogenetics. Alternatively, experience with in vivo electrophysiology with a desire to combine it with in vitro techniques is also welcome. Additional skills including immunohistochemistry, behavior, or computational methods are a plus.

The successful candidate will join the Laboratory of Integrative and Clinical Neurosciences and will contribute to integrative neuroscience researches using animal (rodents) and molecular and cellular models in interaction with clinical issues to explore the mechanism of action of non-invasive brain stimulation (NIBS) to treat mood disorders and cognitive impairments.

The successful candidate will teach and develop courses (lectures, tutorials, lab work) at graduate (Master of Biology & Health) level in English, so that an excellent level in English is expected. He/she may also provide generalist teaching linked to students scientific training (professional projects, scientific communication, ...).

The position offers access to the Centre de Linguistique Appliquée of Besançon (<http://cla.univ-fcomte.fr/home/>); and, offers the advantage of a rich scientific and technical environment: behavioral, microscopy, in vivo electrophysiology, cell culture, opo- and chemogenetic facilities are available on site. A technician helps to ensure histological techniques. Other facilities, including 'laser capture microdissection' and 'molecular biology' (PCR, sequencing) are also available present within the laboratory premises with dedicated technicians.

### **Instructions to apply:**

Please follow this link [application form International Junior Fellowship](#) to download the application form to be filled and returned by email to [isite@ubfc.fr](mailto:isite@ubfc.fr), before **December 8<sup>th</sup> 2017**.