

**POSTDOCTORAL POSITION available for NEUROIMAGING at the Center for Research in Biomedicine of Strasbourg (CRBS), Strasbourg / FRANCE**

**Laboratory of Pr. Brigitte L Kieffer**

<https://www.u1114.inserm.fr/en/content/brigitte-kieffer>

<https://pubmed.ncbi.nlm.nih.gov/?term=kieffer+bl&sort=date>

We are seeking a post-doctoral fellow with a strong background in neuroscience and/or computer programming who is interested in studying brain network activities and communication non-invasively using functional Magnetic Resonance Imaging (fMRI) in mice. Our group is a multidisciplinary team, and studies the role of G protein coupled receptors, including opioid and orphan receptors, in brain function and disease with an emphasis on reward/aversion processing, addiction and mood disorders. The laboratory develops customized genetic mouse mutants with targeted gene mutations to model of psychiatric disorders, and for drug discovery programs. Mice are characterized using sophisticated behavioral methods, optogenetics and neuroimaging approaches translatable to human research. The postdoctoral researcher will use fMRI in living mutant animals to characterize receptor function and drug effects on brain connectivity. Implications are in both basic and for biomedical research. The postdoctoral fellow will develop and use state-of-the art post-processing methods, and the research will take place at the Centre for Research in Biomedicine of Strasbourg (CRBS), a novel INSERM/University of Strasbourg Institute located on the campus of the Faculty of Medicine in Strasbourg France. The lab has access to a state-of-the art brain-imaging center including a 7T animal scanner with cryoprobe, and a vibrant community of neuroimaging specialists and researchers for both animal and human research.

The successful candidate must have:

Ph.D. in Neuroscience /Computer Science

Experience in fMRI methods development

Excellent programming skills in one or more of the following: Matlab, Python, C/C++, R.

Excellent writing and communication skills

A record of scientific publication consistent with his/her stage of career development

Project leadership skills

**Preferred Qualifications:**

Experience or interest in pre-clinical neuroscience research in the field of Mental Health

Ability to work in a team

**Start date:** 1 March 2022

Applicants are invited to submit their cover letter, CV and reference letters via email to:

[edarcq@unistra.fr](mailto:edarcq@unistra.fr) , cc [Brigitte.kieffer@unistra.fr](mailto:Brigitte.kieffer@unistra.fr)

Please indicate "Postdoc applicant for Kieffer team" in the subject line.

We thank all applicants. Only selected candidates will be contacted.