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Marie Skłodowska-Curie Actions

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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Jean-Christophe Poncer
Supervisor page	https://institutducerveau.org/collaborateurs/jean-christophe-poncer
Host Institution	National Institute for Health and Medical Research (Inserm) https://www.inserm.fr/en/home/
Research Lab	Paris Brain Institute https://parisbraininstitute.org/
Research Team	Clinical and experimental epilepsy https://parisbraininstitute.org/paris-brain-institute-research-teams/epic-clinical-and-experimental-epilepsy

Project Title

Cell-specific determinants of human epileptic networks

Project Description

We aim to identify the cellular and molecular determinants of epileptogenic networks in mesial temporal lobe epilepsy (mTLE). Using postoperative tissue from mTLE patients, we will combine multielectrode array recordings, patch-seq and spatial transcriptomics to correlate single-cell physiological, anatomical, and transcriptomic signatures in ictogenic networks. Our aim is to manipulate specific neuron subgroups with opto- or chemo-genetic actuators to assess their causal role in ictogenesis.

Keywords

epilepsy, human, transcriptomics

Description of the Host Research Lab

The scientific and medical strategy of Paris Brain Institute is based on a transdisciplinary and synergistic approach combining basic and translational research, clinical expertise and support of advanced technological platforms. This organization enables it to meet the challenges of understanding the nervous system and its diseases and to benefit from a strong international presence, which is becoming increasingly visible.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr