

The Brain and Spine Institute is looking for :

A Post-doctoral position (H/F)

Start date: Septembre 2018

Contract duration: 18 months

A Paris 13^{ème}

The Institut du Cerveau et de la Moelle épinière – ICM (Brain & Spine Institute) – is an international brain and spinal cord research center whose innovative concept and structure make it the only institute of its kind in the world. The ICM brings patients, doctors and researchers together with the aim of rapidly develop treatments for disorders of the nervous system and enable patients to benefit from them as quickly as possible.

Missions

Mitochondrial dysfunction, neuroinflammation and immunity are central to Parkinson's disease pathogenesis, as highlighted by the discovery of genes responsible for familial forms playing roles in these mechanisms.

This project aims at exploring signaling pathways and targets at the interface between these mechanisms, recently identified in our team. The impact of their deregulation will be studied in cells an in vivo in the specific context of Parkinson's disease, taking advantage of murine models and biological material from patients.

The candidate will join Dr. Olga Corti's and Pr. Jean-Christophe Corvol's team in a stimulating multidisciplinary research environment including basic scientists and clinicians, and will work at the interface between this team and the clinical investigation centre (Pr Corvol).

This project will be performed in close interactions with a German team and other ICM groups, and benefit from ICM facilities: functional cellular exploration (CELIS), cell imaging (ICM.Quant), preclinical exploration (PHENOPARC).

Requirements (training/expertise)

TRAINING/ EXPERTISE

- *The candidate will have a PhD degree in Biological sciences/Neuroscience and a first fruitful post-doctoral experience.*
- *He/she will have background in innate immunity, inflammation and neurobiology, and strong expertise in the functional analysis of biological pathways, using current techniques in cell biology/biochemistry, as well as behavioral and histopathological analysis of mouse models.*
- *Good knowledge of English*
- *Animal testing accreditation are required.*

SKILLS/ KNOW-HOW

- *The candidate will work in close interaction with an engineer recruited on this project.*
- *He/she is expected to be an independent-thinking, highly motivated and interactive young researcher.*

To apply, submit a cover letter indicating past research experience, motivation for the position, expected availability date and curriculum vitae, directly to recrutement@icm-institute.org