



Postdoctoral Position in Cellular Neurobiology and Research on Neurodegenerative Disease

Applications are invited for one postdoc position in the team 'Neuronal Biology and Pathology' lead by Christian Neri at the Institute of Biology Paris-Seine and CNRS Unit 'Biology of Adaptation and Aging' on the Jussieu Campus in Paris.

The position is supported for two years starting in January 2017 with possible renewal for a third year. Interested candidates should apply immediately. The successful applicant will work on the regulation of neuronal activity and survival mechanisms by stress response pathways in Huntington's disease (HD) pathogenesis. We will be using mouse and human cell models of HD to address the following questions: What are the transcriptional targets that are engaged by stress-response factors to maintain neuronal homeostasis in the course of the HD process? How this modify neuronal activity? What are the therapeutic implications for slowing-down the course of HD?

The candidates are expected to be highly qualified, independent and highly motivated. The postdoc candidates are required to have a Ph.D. in molecular and cellular neurobiology, genetics or closely related field and no more than a 2-3 year postdoctoral experience. Essential qualifications include demonstrated experience in cellular neurobiology, analysis of sub-cellular physiology, high resolution cell imaging and molecular biology (*e.g.* cloning, mutagenesis, pull-down, transfection) for analysis of intracellular-signalling and stress-response mechanisms. Excellent organisational, communication and writing skills are mandatory. Knowledge and skills in *C. elegans* genetics, biostatistics/bioinformatics (MySQL, R/python programming etc.) or analysis of sequencing data (*e.g.* ChIP-seq, RNA-seq), all of them mastered by the team, are desirable but not mandatory.

The successful candidate will work in a multi-disciplinary team and environment that brings together network systems modelling, high-precision cell biology and preclinical studies on a national and international level. This combination will provide an excellent opportunity for a highly motivated fellow interested in the role of brain longevity mechanisms in neurodegenerative disease to explore the molecular and cellular dynamics of neuronal compensation in HD using the latest technologies.

For general information please see: <http://www.ibps.upmc.fr/en/research/biological-adaptation-and-ageing/neuronal-biology-and-pathology>

For informal inquiry please contact Dr Christian Neri: Christian.neri@inserm.fr

Application Instructions: Interested candidates should apply immediately. Provide a **detailed CV, a letter of motivation and a minimum of 2 letters of reference** to Christian.neri@inserm.fr