

Postdoctoral position to study the links between early life stress, adult neurogenesis and glucocorticoids

The team « Adult neurogenesis and physiopathology » at the Neurocentre Magendie UMR 1215 in Bordeaux, is seeking a highly motivated young researcher for a 18 to 24-months postdoctoral contract to work on the FRM-funded project " *Neurobiological Pathways linking Developmental Stress to Mental Disorders* ".

The aim of the project is to analyze the involvement of hippocampal neurogenesis in the behavioral consequences of stress experienced *in utero*. For this two main lines of research will be developed by the recruited post-doc: 1) analyze the short and long term consequences of prenatal stress on anatomical and functional development of the hippocampal network using state of the art viral and imaging approaches; 2) test the existence of a pathophysiological pathway linking glucocorticoid receptors, adult neurogenesis, and maladaptive behavior using viral and transgenic approaches.

Expected background and skills:

A theoretical background on developmental origins of mental diseases, hippocampal neurogenesis, glucocorticoids will be valued.

Required technical skills : Mice behavior, Stereotaxic surgery, Expertise in confocal analysis and in brain mapping of activity using immediate early genes, classical neuroscience-related methods such as immunohistochemistry, ELISA assays....

The position is available right now and for 18 to 24 months depending on starting date.

Applications should include:

- A cover letter describing your past research experiments, your research interest, career goals, and motivation to join our team
- A CV with the publication list and contact information of two references
- Two references

Please submit your application to Muriel Koehl muriel.koehl@inserm.fr