Post Doc position in RNA biology, Strasbourg, France
“Molecular mechanisms of neurodevelopmental diseases”

A fully-funded post-doctoral position is available in the group of genetics and pathophysiology of neurodevelopmental and epileptogenic disorders at the Institut de Génétique et Biologie Moléculaire et Cellulaire (IGBMC) in Strasbourg, France. Our team is interested to understand the genetic causes and molecular mechanisms of neurodevelopmental diseases with a particular emphasis on understanding the mechanism of RNA deregulation in neurological diseases.

http://www.igbmc.fr/research/department/4/team/121/

IGBMC is a leading European biomedical center, offering an exceptional environment for research and training. The center is located on Campus d’Illkirch, 20 minutes commuting time by tram from Strasbourg historical center.

The aim of the project is to dissect the mechanisms underlying neuronal translation control by the Fragile X Mental Retardation protein (FMRP). The project is part of an ANR funded program (2CureXfra) aiming at deciphering the regulation of diacylglycerol kinase (DGKk) by FMRP and its dysregulation in Fragile X syndrome. The goals are to define the molecular mechanism of how FMRP controls DGKk translation in neurons and to determine the functional consequences of DGKk deregulation in mouse and human cells. The project will involve multidisciplinary approaches including RNA-seq, imaging, ribosome profiling, reporter assays, in cultured cells, primary neurons and animal models.

Ideal candidate should have a PhD degree in biochemistry, molecular biology or cellular biology, and interest in RNA biology and mechanisms of gene regulation. An ability to independently take responsibility over his/her own project, as well as strong teamwork and communication skills, are required as well as reliability, attention to detail and effective time management. Motivation to work in a multidisciplinary and international environment is fundamental to this position. Good communication and presentation skills and fluency in English are expected.

Position is available from January 2019.
The applicant should send her/his curriculum vitae (with a summary of research experience, current research scientific interests, career goals and list of publications), a cover letter discussing her/his interest in the position and stating the date when she/he expects to be available, and contact information for two references to: Dr Hervé Moine, moine@igbmc.fr

further readings:
