

# Infos

## POST-DOC

- **Postdoctoral Position in Neuroscience Paris Seine, CNRS UMR 8246, INSERM U1130**

Postdoctoral position is open to join the team « Axonal growth and regeneration » at the department « Neuroscience Paris Seine, CNRS UMR 8246, INSERM U1130 : <http://www.ibps.upmc.fr/fr/Recherche/umr-8246>

Institute of Biology Paris Seine (IBPS), (<http://www.ibps.upmc.fr/fr>),

University Pierre et Marie Curie, in the heart of Paris, Latin quarter.

Profile: We are looking for experienced neuroscientist to join our team investigating molecular and cellular mechanisms underlying axon regeneration and developing therapeutic strategy for spinal cord injury.

The post-doc should have a PhD in neuroscience with good skills in surgery of rodent experimental model, histology and behavior tests for functional sensory-motor recovery. The post-doc will be involved in a recently developed therapeutic strategy in rodent animal model for spinal cord injury repair, based the use of scaffold biomaterials.

Funding, is available for a period of one year that could be renewed. The position is open from now to March/1st 2015. There is no nationality restriction

Application, including CV, detailed statement of skills and research interest, list of publications, and 2-3 references, should be sent to:

Fatiha Nothias, CNRS Research Director, team leader : [Fatiha Nothias](#), Phone : +33144275975

- **A post-doctoral position at junior or senior level is currently open at the INCIA (CNRS and University of Bordeaux), part of the consortium CNSAflame (ERA-NET NEURON).**

This three-years position is funded by ERA-NET NEURON (Network of European Funding for Neuroscience Research) with a possible starting on March. 1st 2015. The collaborative project between 5 European teams is focusing on neuroinflammatory mechanisms of chronic neurodegeneration and cognitive decline following traumatic brain injury.

This project will be conducted within the dynamic environment of the Aquitaine Institute for Cognitive and Integrative Neuroscience (INCIA, <http://www.incia.u-bordeaux1.fr>). Eleven researcher teams covering cognitive and integrative neurosciences from the molecular and cellular levels to cognition, including human clinical studies, compose this institute. INCIA is affiliated both with CNRS and the University of Bordeaux.

The ideal candidate would be a recent Ph.D. or M.D./Ph.D. with a background in rat or mice TBI model surgeries and/or some experience with molecular biology, biochemistry and immunohistochemistry techniques. Some experience in animal behavior and/or MRI would be appreciated. Qualified applicants will demonstrate evidence of strong language and writing skills in English as well as the ability to work in a diverse and collaborative research and training environment. Please send a complete resume, motivation letter and contact information of two references to Dr [Jerome Badaut](#).

- **Post-doc Position Offer in the frame of the AMIDEX Grant**

Position: A post-doctoral position for an enthusiastic and highly motivated individual is available for 18 months (starting March 1st 2015) in the research team Sensory Processing and Neuroplasticity at the Laboratory of Integrative and Associative Neuroscience (UMR7260 CNRS-AMU) in Marseille, France.

Project: Vestibular Pathophysiology: Mechanisms and Markers  
Vestibular pathologies are characterized by unpredictable episodes of vertigo accompanied by postural imbalances and loss of gaze fixation during movement. They are often accompanied by dizziness and nausea These pathologies can be highly disabling. When recurrent, they may conduct to psychological and social isolation. Because of their high prevalence, vestibular disorders constitute a significant Burden to our health care system. Therapeutic solutions to these pathologies lack specificity and efficacy.

This relies both on the lack of knowledge of the pathophysiological Mechanisms underlying different vestibular disorders and on the lack of biomarkers to discriminate vestibular impairments and properly direct therapeutic approaches. Present project associates research teams expert in the study of vestibular physiology and pathophysiology and displaying multidisciplinary approaches to decipher how a vestibular insult Develops into the inner ear and how it governs the heterogeneity of the vertigo symptoms. In turn it ambitions to identify specific biomarkers of the different types and stages of acquired vestibular disorders. The project is based on the development of original animal models of vestibular disorders encountered in human and on the full exploration of the sequence of histological and functional alterations that occur over a one week alter the insult initiation period that recapitulate the main vertigo symptoms encountered both in human and animal models.

Mission: In close collaboration with members of Dr C Chabbert research group, the postdoc will be in charge of developing vestibular insults in adult mice and studying the development of evoked vestibular disorders through specific behaviour tests. He will use DNA microarray approach to study alterations of the gene Expression in Scarpa's ganglion and vestibular endorgans during development of the insults. The postdoc, will study the functional consequences of the evoked vestibular insults on the vestibular nerve excitability through patch-clamp recordings in isolated vestibular primary neurons and multiunit extracellular recordings on vestibule explants.

Candidate profile: Candidates should have strong background in molecular electrophysiology and cell culture experience in animal behaviour is welcome. Applicants should have a Ph.D. Degree in Neuroscience or Biomedical Sciences.

Procedure: Please send an email with a CV and two letters of recommendation to: Christian CHABBERT, PhD, Laboratory For Integrative And Adaptative Neurosciences CNRS UMR7260 Marseille

▪ **Postdoctoral Fellow in Neuroscience at Neurocampus Bordeaux, France**

We are currently accepting applications for a 2-year-funded postdoc research position (possibility for an extension) for a collaborative project of the labs of Andreas Frick and Bruno Bontempi. The goal of this project is to identify the neurons engaged in recent and remote memory formation in the neocortex and to investigate and probe the neuronal mechanisms underlying memory formation. For relevant literature please see (Zhang et al. & Frick, 2014, Nature Neuroscience; Frick et al., 2004, Nature Neuroscience; Lesburguères et al. & Bontempi., 2011, Science; Frankland & Bontempi, 2005, Nature Reviews Neuroscience).

Bordeaux is one of the foremost centers for neuroscience in Europe, and has recently been named one of the few centers of excellence in neuroscience by the National Research Agency in France. Both host labs are participants in this consortium and part of the Neurocampus consisting of three institutes that are connected to each other and that provide a very dynamic and international environment.

Application requirements  
We are seeking a candidate with a PhD or MD/PhD degree in the fields of neurobiology, biophysics, medicine, or related field with a demonstrated record of achievements and publications. Candidate must be highly motivated to perform challenging experiments combining opto-/pharmacogenetics, electrophysiological and biochemical approaches with behavioral learning tasks.

How to apply  
Please apply to [Andreas Frick](#) with the following information:  
- CV with a list of talks and publications  
- Brief (1 page) summary of previous research  
- Brief statement of current research interests  
- Contact information of three referees

Contact information : [Andreas Frick](#), Neurocentre Magendie, INSERM U862, 33077 Bordeaux : [http://www.neurocentre-magendie.fr/NCM/Pages/Equipes/eq\\_frick/UK\\_equipe\\_frick.php](http://www.neurocentre-magendie.fr/NCM/Pages/Equipes/eq_frick/UK_equipe_frick.php)

[Bruno Bontempi](http://www.imn-bordeaux.org/index.php?option=com_content&view=article&id=28&lang=en) , Institute of Neurodegenerative Diseases, CNRS UM 5293, 33077 Bordeaux : [http://www.imn-bordeaux.org/index.php?option=com\\_content&view=article&id=28&lang=en](http://www.imn-bordeaux.org/index.php?option=com_content&view=article&id=28&lang=en)

- **Postdoctoral Researchers – Electrical signatures of Autism during delivery and development - Institut de Neurobiologie de la Méditerranée (Inmed)/Neurochlore, South of France**

The team of Yehezkel Ben-Ari at Inmed (INSERM) and Neurochlore (a start-up company located in the same Institute) have made important discoveries on the alterations of intracellular chloride in neurons and associated GABA excitatory/inhibitory shifts during delivery and in pathological disorders such as epilepsies and autism (Nardou et al Brain 2011, Tyzio et al., Science, 2006, 2014; Eftekhari et al., Science 2014). Maternal administration of the diuretic bumetanide to 2 animal models of autism shortly before delivery attenuated the severity of the syndrome in off springs stressing the importance of delivery in the pathogenesis of the disorder. These observations have led to a neurochlore sponsored successful double-blind randomized clinical trial in autism using the diuretic bumetanide known to produce an excitatory/inhibitory shift of GABA (Lemonnier et al., Translational Psychiatry, 2012). The team of Yehezkel Ben-Ari at Inmed is looking for 2 post-doctoral candidates with PhDs in Neurophysiology having significant experience in electrophysiological/anatomical and/or imaging