



alliance nationale
pour les sciences de la vie et de la santé

ITMO Neurosciences,
sciences cognitives, neurologie, psychiatrie

Infos

POST-DOC

- **Postdoctoral position in neurobiology of drug addiction in the lab of Dr. Serge Ahmed**

Applications are invited for a 3-year postdoctoral research fellow position to study the causal role of the orbitofrontal cortex (OFC) in cocaine addiction using a choice-based animal model. Briefly, the specific objectives will be to test whether and how excessive cocaine choices causally depend on activity of OFC pyramidal cell bodies and their striatal axon terminals, using relevant optogenetic methods coupled with electrophysiological recording methods. This project should allow one to peer into the cortical machinery that underlies choice-making and to begin to clarify how its dysfunctions causally drive cocaine addiction. This is a full-time position and is open from January 2015 to December 2017. Candidates, preferably with a previous experience of in vivo electrophysiology and/or optogenetic methods in behaving rodents, should send their CV, brief statement of research interests and representative publications to: Dr [Serge Ahmed](#).

- **Postdoctoral Positions (Multi-Modal Brain Analysis)**

Postdoctoral research opportunities are available in the area of biomedical signal treatment at the Inserm Group (Inserm U 1105) in the University Hospital of Amiens, France.

The GRAMFC U1105 constitutes a competitive multidisciplinary team of around 20 people allowing strong interactions between clinical and fundamental neurophysiologists, neuropaediatricians, and specialists in signal processing. The group is well implanted in the University Hospital for clinical evaluation through the clinical unit of Exploration Fonctionnelles du Système Nerveux pédiatrique and is also localized in the Faculty of medicine for signal treatment and more fundamental study on animal models. The GRAMFC is the only group in France to develop tools

for high-resolution electric imaging (EEGHR) coupled with high-resolution optical imaging (HR NIRS) applied to children and newborns at a moment where it has to be considered as an emerging approach in the field of neurosciences. In this, they were the first to publish results about the relationship between electric and local hemodynamic activity during seizures or during interictal spikes. This group participates in a new upcoming field investigating mechanisms at the origin of physiological and pathological neuronal synchronization during development. Translational research on neurovascular coupling is supported by the use of preclinical research in rodents. The U1105 developed different patents for simultaneous EEG NIRS acquisition and is at the origin of the development of Medelopt, spin off of the U 1105. Collaborations with Neurospin (Orsay, France), University of Montréal (Canada) and Illinois (USA) are among the most important.

Candidate Profile

Candidates with an advanced background and experience/interest in signal treatment are sought to join leading efforts in the development and application of advanced electrophysiological and optical imaging approaches such as High density EEG/Near infra-red spectroscopy. Application areas include the clinical translation of multimodality imaging of the brain function and disorders, the diagnosis of neurovascular disease in children and premature. The candidates will actively participate in the international cooperations and in the encadrement of PhD students. He will have to present its work in international congress.

Requirements:

PhD (or equivalent) in strong backgrounds in Biomedical Engineering, Physics, Medical Physics, Computer Science, Electrical Engineering, Optics, or closely related fields is required. Advanced programming skills in Matlab. Familiarity with multi-modal image reconstruction/visualization and light propagation models is preferred.

To apply:

Interested candidates should send their detailed CV, a cover letter describing training and research experience, and names and contact information of three referees. Send correspondence via email to Pr. [Fabrice Wallois](#) with the subject line: Postdoctoral application in cortical signal treatment.

Salary

The grant is supported by Inserm and Region Picardie. The amount is 2539,39EUR brut per month

- **Postdoctoral position in neuroeconomics, decision making, motivation and reward processing in the lab of Dr JC Dreher** : <http://dreherteam.cnc.isc.cnrs.fr/en/contacts/open-positions/>

Candidates, preferably with fMRI experience and familiarity with computational models of decision making, should send their CV, statement of research interests and representative publications to: Dr [Jean-Claude Dreher](#).

- **POST DOCTORAL POSITION - The Neurofunctional Imaging Group (GIN) is a CNRS-CEA joint research unit of the Bordeaux University (UMR 5296, dir. Bernard Mazoyer) and a core member of the TRAIL Laboratory of Excellence** : <http://trail.labex.u-bordeaux.fr/Jobs/POST-DOCTORAL-POSITION-gray-matter-anatomical-connectivity-networks-2-years,Job-169.html>

For further information, please contact Dr. [Fabrice Crivello](#)

- **Post-Doctoral position in rodent behavioural neuroscience at the CNRS-Aix Marseille University (France)**

We invite applications for a Post-Doctoral position at the Institut de Neurosciences de la Timone (University of Marseille, France; <http://www.int.univ-amu.fr/>) to work in the team BaGaMoRe (Basal Ganglia Motivation and Reward <http://www.int.univ-amu.fr/spip.php?page=equipe&equipe=BaGaMoRe&lang=fr>).

We are seeking a highly motivated and talented research candidate to work on a project on the neural basis of addiction and social contexts. The position is funded by the University of Marseille via the foundation A*MIDEX. The position is available for 2 years.

Candidates should have a Ph.D. (or equivalent) in psychology, biology, neuroscience or a related field. Furthermore, they should be familiar with self-administration procedures in rats and have a strong background and interest in addiction.

Programming skills, electrophysiological and/or optogenetic experience will be considered as a plus.

The position is available from January 2015 and applications will be considered until the position is filled. Candidates should submit a CV, names and full contact details of two referees and a statement of research interests by e-mail to Dr [Christelle Baunez](#).

- **Post-Doctoral position in rodent behavioural neuroscience at the CNRS-Aix Marseille University (France)**

We invite applications for a Post-Doctoral position at the Institut de Neurosciences de la Timone (University of Marseille, France; <http://www.int.univ-amu.fr/>) to work in the team BaGaMoRe (Basal Ganglia Motivation and Reward <http://www.int.univ-amu.fr/spip.php?page=equipe&equipe=BaGaMoRe&lang=fr>).

We are seeking a highly motivated and talented research candidate to work on a project on the neural basis of addiction. The position is funded by the Medical Research Foundation (FRM) via the CNRS. The position is available for 18 months to 2 years (depending on experience).

Candidates should have a Ph.D. (or equivalent) in psychology, biology, neuroscience or a related field. Furthermore, they should be familiar with self-administration procedures in rats and have a strong background and interest in addiction. Programming skills, electrophysiological and/or optogenetic experience will be considered as a plus.

The position is available from March 2015 and applications will be considered until the position is filled. Candidates should submit a CV, names and full contact details of two referees and a statement of research interests by e-mail to Dr [Christelle Baunez](#).

- **Post-Doctoral position in brain imaging at the University of Marseille (France) and the University of Geneva (Switzerland)**

We invite applications for a Post-Doctoral position at the Cognitive Psychology Laboratory (LPC (P. Huguet), CNRS-Aix Marseille University; <http://federation3c.com/laboratoire-psychologie-cognitive-federation-3c>), the Institut de Neurosciences de la Timone (Team Bagamore (C. Baunez) and Functional Imaging Center, University of Marseille, France; <http://www.int.univ-amu.fr/>), and the Swiss Center for Affective Sciences - Neuroscience of Emotions and Affective Dynamics Lab (Psychology Department (D. Grandjean), University of Geneva, Switzerland; www.affective-sciences.org/ and <http://cms.unige.ch/fapse/neuroemo/>). We are seeking a highly motivated and talented research candidate to work on a project on the neural basis of addiction and social contexts. The position is funded by the foundation A*MIDEX (ANR to the University of Marseille). The position is available for 2 years if less than 3 years experience after the PhD.

Candidates should have a Ph.D. (or equivalent) in psychology, biology, neuroscience or a related field. Furthermore, they should be familiar with fMRI (on 3T scanner) and have an interest in addiction. Candidates should have experience in brain image analysis (SPM, FSL and/or FreeSurfer), pattern recognition, and statistics. Excellent programming skills (Matlab, UNIX, ...) are highly desirable.

The University of Marseille and the University of Geneva provide an excellent multidisciplinary and interactive neuroimaging environment with research dedicated brain imaging facilities (<http://bbl.unige.ch/index.html>).

The position is available from January 2015 and applications will be considered until the position is filled. Candidates should submit a CV, names and full contact details of two referees and a statement of research interests by e-mail to Profs. [Didier Grandjean](#), [Pascal Huguet](#) and [Christelle Baunez](#)

▪ **Sanofi (France, Chilly-Mazarin.) recherche un post doc : Implementation of Clinical Trial Simulations based on both semi-mechanistic models and empirical dose response models.**

• The objectives of the project is to develop guidance, tools (reproducible R/SAS programs) dedicated to clinical trial simulations and perform clinical trial simulations for some selected projects (Alzheimer disease, oncology, Type 2 diabetes).

• The methodology and tools developed should be suitable for both semi-mechanistic disease models (such as those recently developed in-house for type 2 diabetes) or empirical dose response modeling approach such as MCP-mod methodology.

• The candidate will be involved either in the practical implementation of the Clinical Trial Simulator currently developed by lixoft in partnership with sanofi. **Contact :** [Nathalie Manaud](#)

▪ **Inmed - Postdoctoral Researcher – Electrical signatures of Autism - Institut de Neurobiologie de la mediterranee (Inmed/ INSERM), South of France**

The teams of Yehezkel Ben-Ari at Inmed and Neurochlore (a start-up biotech company) have led to 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 (Tyzio et al., Science, 2006& 2014). These observations have led to a successful clinical trial in autism in a double-blind randomized trial using the diuretic bumetanide to produce an excitatory/inhibitory shift of GABA (Iemonnier et al 2012).

The teams of Yehezkel Ben-Ari and Nail Burnashev are looking for 2 candidates with PhD and good training and experience in in vivo and/or in vitro electrophysiology techniques. The successful applicant will be expected to be actively involved in supervising and training MSc and PhD students, as required.

Highly motivated scientists are welcome to apply with a letter of intent and a short CV.

The job will be based at the Inmed in the scientific campus of Luminy (Marseille, France).

Please send your full application (in one pdf document) to [Yehezkel Ben-Ari](mailto:Yehezkel.Ben-Ari@inmed.fr). For further information visit our website www.inmed.fr/en.

OFFRE BOURSES DE RECHERCHE M2

- **Le Congrès Français de Psychiatrie délivrera 6 Bourses de Recherche (Master 2) pour favoriser la recherche en Santé Mentale : [Plus d'infos +](#)**

Pour en savoir plus lire le document joint Bourses de recherche dossier Appel d'offre à compléter avant le 31 octobre 2014. Ces Bourses sont d'une valeur de 5000 euros chacune.

FINANCEMENTS / BOURSES

- **L'Ambassade de France en Fédération de Russie, dans le cadre de son programme d'aide à la mobilité des chercheurs dit « Metchnikov », attribue pour l'année 2015 des bourses à des chercheurs russes invités à travailler dans une équipe de recherche française, rattachée à un établissement d'enseignement supérieur, un organisme de recherche ou une entreprise, pour une durée de 1 à 3 mois.**

Les candidatures doivent être soumises avant le 30 novembre 2014. Toutes les informations nécessaires sont disponibles sur le site suivant : <http://www.ambafrance-ru.org/Bourses-postdoctorales-Metchnikov>.

COLLOQUE 2014 de l'ITMO NEURO

- **Les Instituts Thématiques Multi-Organismes (ITMO) Santé publique et Neurosciences, Sciences Cognitives, Neurologie, Psychiatrie organisent conjointement leur colloque à Paris le 8 et 9 décembre 2014 :** <https://itneuro.aviesan.fr/index.php?pagendx=718>

COLLOQUES / EVENEMENTS

- **“Use of ontologies in systems biology and health”** is organized to foster cross-talk between researchers, clinicians and computer scientist to design Knowledge Representation for Physiology and diseases and applications to data management and for creating knowledge maps, October 28th, 2014 in Paris : <http://immunocomplexit.wordpress.com/events/immunocomplexit-3-2014/>
- **9ème RENCONTRE ANNUELLE, Du CLUB DE NEUROPROTECTION, 5 décembre 2014 à Paris :** <http://www.club-neuroprotection.org>

Accéder au programme en cliquant sur l'onglet "Réunion Anuelle".

- **Vous êtes invités à venir découvrir les activités de BioCollections et des partenaires de son Réseau au cours de la réunion qui se tiendra le 17 décembre 2014 de 9h00 à 13h00 à Paris. [+ d'infos](#)**

BioCollections, premier Réseau de Centres de Ressources Biologiques en Neurosciences, est un guichet unique de mise à disposition d'échantillons annotés de qualité sur une thématique commune.

Le nombre de places étant limité, il est nécessaire de vous inscrire avant le 1er décembre 2014.

DIVERS

- **Les Chercheurs accueillent les malades en partenariat avec les Associations de Malades le 28 novembre 2014 : MALADIES NEUROLOGIQUES - MALADIES NEURODÉGÉNÉRATIVES :** <http://neuro.chercheurs-malades.fr/site/chercheurs-maladies-neurologiques-et-neurodegeneratives;jsessionid=gWNAAnu!MrgVMw6derdsh4tsW.g13>

Nombres de places limitées, attribuées par ordre d'inscription...