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

ITMO Neurosciences,  
sciences cognitives, neurologie, psychiatrie

Infos

## POST-DOC

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

Applications are invited for a 2 to 3 years postdoctoral research fellow position in the lab of Dr JC Dreher (<http://dreherteam.cnc.isc.cnrs.fr/en/>) to study neuroeconomics using fMRI in healthy subjects and/or intracranial recordings in patients with epilepsy. The Cognitive Neuroscience institute (Lyon, France) hosts an interdisciplinary community with access to several brain imaging facilities, such as a research-dedicated 3T Siemens scanner, a PET-fMRI system and other useful resources. This is a full-time position and is open immediately. A minimum commitment of two years would be required with potential for renewal with good performance. Salary will be determined by experience according to the CNRS scale. 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.**

The GIN is a multidisciplinary research unit gathering scientists with initial training in mathematics and instrumentation, cognitive

neurosciences, signal processing and databasing.

One objective of the current GIN research project is to develop new tools to characterize and describe the gray matter anatomical connectivity networks. Within this area we have a position for a 2 years Post Doc. Description of the position Recent work on brain connectivity modeling revealed that the topographic organization of this connectivity is not limited to large-scale anatomical pathways generally observable in diffusion MRI, thus reinforcing the interest of studies focusing on the characterization of cortical structural connectivity and its variability. Therefore, the estimation of relevant grey matter connectomes strongly relies on the choice of an ad'hoc cerebral parcellisation. We propose a post doc project to first implement a probabilistic cortical atlas derived from cortical parcellisations defined individually to optimally extract cortical thickness and volume of each individual. The second aim of the post doc project is to compute cortical structural connectivity to quantify the inter-individual variability of brain organization together with the effects of specific factors such as gender, manual preference, functional lateralization or cognitive skills. The strength of the present project is that it will benefit from the already acquired BIL&GIN database composed of 453 healthy volunteers balanced for gender and handedness. Hence, the first probabilistic cortical atlas will be operated over a large sample, the 453 participants having been previously pre-processed. Qualification and experience The qualified applicant should have a PhD in neuro-image analysis, cognitive neuroscience, computer science or related field and a background in neuroimage processing. Applicants should have experience with existing tools for analysis of neuroimaging data (SPM, FSL, Freesurfer.) and a relevant programming experience (MATLAB).

For further information, please contact Dr. [Fabrice Crivello](#) Employment and payment are determined by Bordeaux University (2 400 EUR per month, net salary). Job location is in Bordeaux, France. Interested candidates should send their applications including CV with full publication list, the names and contact information and a summary of research interests to [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

[amu.fr/spip.php?page=equipe&equipe=BaGaMoRe&lang=fr](http://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](mailto:Christelle.Baunez@univ-marseille.fr).

- **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](mailto:Christelle.Baunez@univ-marseille.fr).

- **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/](http://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 sur la thématique décrite ci-après :**

**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 developped should be suitable for both semi-mechanistic disease models (such as those recently developped 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 developped 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 (lemonnier 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](#)

For further information visit our website [www.inmed.fr/en](http://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

- **Appel à projets de la Fondation pour l'Innovation Thérapeutique Béatrice Denys** : <http://www.turenne-sante.com/wp-content/uploads/2014/09/Ouverture-AP-FITBDenys-22-09-2014.pdf>

## 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>

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## Colloques / Evènements

- École de l'Inserm Liliane Bettencourt 2014/2015 : <http://candidaturedilb.dakini.fr/>  
L'École de l'Inserm Liliane Bettencourt s'adresse aux étudiants en médecine en DFGSM2 ou aux étudiant-es en deuxième année de pharmacie intéressé-es par la recherche et motivés pour suivre un double cursus Médecine-Sciences.

*Les dossiers de candidature sont à envoyer à l'Ecole de l'Inserm Liliane Bettencourt par voie postale d'ici le 14 novembre 2014 – 18h00 et à compléter en ligne sur le site dédié.*

- **Le Laboratoire de Psychopathologie et Processus de Santé de l'Université Paris Descartes organise un colloque international sur l'autisme intitulé : Troubles du Spectre de l'Autisme : de la Cognition Sensorimotrice à la Communication Samedi 29 novembre, Paris :**  
<http://recherche.parisdescartes.fr/LPPS/Actualites/Colloque-International>
  - **Journée scientifique « INC Day 2014 : Neurodevelopmental Disorders », le 4 décembre à Paris :** <http://inc.parisdescartes.fr/2014/07/december-4-2014-inc-day-neurodevelopmental-disorders/>
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## DIVERS

L'infrastructure TEFOR, à l'initiative de son partenaire la plateforme TACGene, a le plaisir de vous présenter son nouvel outil "CRISPOR" : [www.tefor.net/crispor/crispor.cgi](http://www.tefor.net/crispor/crispor.cgi)

CRISPOR compte à ce jour plus de 70 génomes ! Cet outil vous aidera pour le design des ARN guides de la Cas9, et limite les "off-targets" dans le génome de votre espèce d'intérêt.

Nous espérons que cet outil gratuit sera utile à vos recherches. La coordination de l'infrastructure TEFOR

N.B.

- Il est possible d'ajouter d'autres espèces dans la liste, n'hésitez pas à contacter notre responsable d'exploitation [Jean-Baptiste Pénigault](mailto:Jean-Baptiste.Pénigault@tefor.net)
- Jean-Baptiste vous renseignera aussi sur les services que propose TEFOR chez le poisson-zèbre, la drosophile et le rat
- Visitez le site web d'EFOR pour des renseignements sur certaines espèces modèles de CRISPOR ([www.efor.tefor.net](http://www.efor.tefor.net))