



# The Neuroscience Letter

## Brain awareness week



From March 13<sup>th</sup> to 19<sup>th</sup>, 2017, the 19<sup>th</sup> edition of the Brain Awareness Week will take place. On this occasion, debates, workshops, conferences, exhibitions and shows will be organized in more than 30 cities in France. For more information,

consult: <http://semaineducerveau.fr>

### In Caen,

Professors **Isabelle SERÇA**, **Francis EUSTACHE** and **Denis PESCHANSKI** propose a lay public evening on the theme '*Memory in all its forms: from literature to neuropsychology and history*' on March 15<sup>th</sup>, from 5 to 10pm. Demonstrations on the macroscopic and microscopic anatomy of the brain and its evolution in several animal species (from insects to humans) are also proposed to schoolchildren from Tuesday 14<sup>th</sup> to Friday 17<sup>th</sup> March.

### In Nantes,

Professor **Philippe DAMIER** will address questions on '*Brain functioning for decision-making*' and answer questions from the public at a science café at the Café Flesselles on Tuesday March 14<sup>th</sup> from 8:30pm to 10pm. Mini-conferences for high school students are also organized on request. The themes proposed are, for example, '*Post-baccalaureate studies to work in neuroscience: from biology to biophysics and imagery*' (Pr **Corinne HUCHET**, Inserm UMR 1087).

On Friday, March 17<sup>th</sup>, from 2pm to 6pm, activities are proposed on registration ([communication\\_sfr@univ-nantes.fr](mailto:communication_sfr@univ-nantes.fr)). Two PhD students will present their research on '*Perinatal nutrition and brain development*' (**Julie PARADIS**, INRA UMR 1280) and '*Lymphocytes for the treatment of glioblastoma*' (**Cynthia CHAUVIN**, Inserm U1232). Also a Quiz will be led by Drs **Hélène BOUDIN** (Inserm UMR1235) and **Arnot NICOT** (Inserm UMR1064). Finally, as part of the '*National Sleep Day*', Drs **Sylvie de La Tullaye** (Nantes Hospital) and **Laurène LECLAIR-VISONNEAU** (Nantes Hospital) offer interventions on '*Understanding our sleep with neurosciences*' and '*Sleeping alone or Not, sleep and environment*'.

### In Lille,

Discover the wonderful world of the brain thanks to the workshops of CogniJunior and Emotions Synesthetes! Participate to a concert & conference on the brain: '*When music and brain make good*'. **Alicia LEFEBVRE**, licentiate in psychophysiology and **Thomas CHABALIER**, percussionist, offer you a visual and auditory, Cartesian and poetic journey, taking place inside our brain. This event will take place on Saturday, March 18<sup>th</sup> from 4pm to 6pm at the Jean Levy Media Library, 32 rue Edouard Delesalle in Lille.

The fabulous story of '*Mimi the Microglia*' will be presented to the students of the Lycée Baggio on Thursday, March 16<sup>th</sup>, from 8am to 12pm, through a theatrical improvisation, then the high school students will have to reconstitute the puzzle of the brain. This activity will be followed by a Lab'tour, a visit of the laboratory '*Early stages in Parkinson's disease*' at the Jean-Pierre Aubert /

U1172 Research Center (team led by **Marie-Christine CHARTIER**).

A visit of the laboratory '*Early stages in Parkinson's disease*' and a workshop on neural circuits are also proposed on Friday, March 17<sup>th</sup>, from 8am to 12pm by **Marie-Christine CHARTIER**. This visit will be followed by a workshop called SISTINE, where researchers propose to simulate the life cycle of specific neuronal circuits whose activation leads to the induction of motion. This workshop shows the effects of genes and the environment over time on the health of these neuronal signaling pathways specific to movement, which are represented by a dozen of neurons connected to each other.

As part of '*Baggio made its festival*' in early April, which extends the Brain Awareness Week, the film '*Still Alice*' will be presented to high school students of the Lycée Baggio on Wednesday, April 5<sup>th</sup>, from 8am to 12pm. This projection will be followed by the intervention of **Nicolas SERGEANT**, from the team Inserm U1172, '*Alzheimer and tauopathies*'.

For more information about activities in Lille, contact **Laetitia COUDERT** ([laetitia.coudert@inserm.fr](mailto:laetitia.coudert@inserm.fr)) and **Aurélie DELÉGLISE** ([aurelie.deleglise@inserm.fr](mailto:aurelie.deleglise@inserm.fr)).

### In Rouen,

Four conferences will be organised by **David VAUDRY** and **Stéphane DERREY** in the Auditorium of the Métropole Rouen Normandy (Panorama XXL, Hangar 2, quai de Boisguilbert), in Rouen, on Saturday, March 18<sup>th</sup> 2017 from 3pm to 5pm.

The speakers will be: Dr **Bruno GONZALEZ** (Inserm U1245, Rouen) '*Brain lesions of the newborn: example of fetal alcoholism*'; Dr **Fabian DOCAGNE** (Inserm U1237, Caen) '*Multiple sclerosis: New advances, new hopes*'; Dr **Olivier LANGLOIS** (Rouen Hospital, Inserm 1239) '*Cerebral tumor: interest of waking surgery*' and Dr **Olivier WURTZ** (Inserm U1239, Mont-Saint-Aignan) '*Cell therapies for the treatment of stroke ?*'.

An exhibition entitled '*Science machina*' and a slideshow '*Photos in Neurosciences*' will be presented to the public in the Hall of the Main Building of the Faculty of Science and Technology from March 10<sup>th</sup> to 22<sup>nd</sup> 2017. A lecture will be given at the Rouen University House (Mont-Saint-Aignan) on Tuesday, March 21<sup>st</sup>, 2017, from 6pm to 7pm by **David VAUDRY** (Inserm U1239, Mont-Saint-Aignan) on the '*Effects of Binge Drinking on the brain of the adolescent*'. These activities are supported by Science-Action, the Rouen Metropolis, Inserm, the University of Rouen, the IRIB, the Société des Neurosciences and the AGEPS.



## Thematic School 'Brain and Memory'

A transdisciplinary school '*Brain and memory*' will be organized at the Porquerolles Island from April 10<sup>th</sup> to 14<sup>th</sup>, 2017. The aim of this training course is to bring together, around the same pedagogical project, several communities of researchers working on memory. For more information and to register, please contact **Nadine RAVEL** ([nadine.ravel@cncs.fr](mailto:nadine.ravel@cncs.fr)).

## Congress

The 10<sup>th</sup> Forum on Hypnosis and Short Therapies will be organized from May 10<sup>th</sup> to 13<sup>th</sup>, 2017, in Clermont-Ferrand. All information related to this event, which should bring together more than 800 health professionals, is available on the conference website: [www.cfhtb-clermont2017.org](http://www.cfhtb-clermont2017.org)

The next Jean-Louis Signoret seminar will take place from March 14<sup>th</sup> to 16<sup>th</sup>, 2017, in Caen on the theme '*Amnesic syndromes: from neurons to care*'. The updated program and the online registration form are available on the conference website: <https://signoret-2017.sciencesconf.org/> As a reminder, this conference is free for students and teachers of the COMUE Normandie Université, but they still have to register.

The EUROTAU symposium will bring together on April 27<sup>th</sup> and 28<sup>th</sup> all the European specialists of the Tau protein. For more information about the program and how to register, please contact **Laetitia COUDERT** ([laetitia.coudert@inserm.fr](mailto:laetitia.coudert@inserm.fr)).

## Recruitment

Mrs. **Sophie HALLIEZ**, was recruited as a lecturer on an Inserm Chair of Excellence in the laboratory of Dr **Luc BUÉE** (Jean-Pierre Aubert Research Center, U1172). Mrs. Halliez comes from the Institut Jacques Monod, Paris Diderot University and is interested in prion like propagation of in the context of Alzheimer's disease.

## Post-Doctoral Offer

IPSEN offers a 3-year post-doctoral funding of a highly motivated candidate to study the mechanisms of action of neurotoxins derived from Botulinum. For more information and to apply, please contact: **Stéphane LEZMI** ([stephane.lezmi@ipsen.com](mailto:stephane.lezmi@ipsen.com)).

## Master 2 internship

The Laboratory of Biology and Modeling of the Cell (CNRS UMR5239, Lyon) and the UMR-S Inserm 919 (Center Cyceron, Caen) propose a Master II internship on the development of a model of hypoxia in *Drosophila* to

the study of the UPR response. For more information, contact Professor **Bertrand MOLLEREAU** ([bertrand.mollereau@ens-lyon.fr](mailto:bertrand.mollereau@ens-lyon.fr)) or Dr **Benoit ROUSSEL** ([broussel@cyceron.fr](mailto:broussel@cyceron.fr)).

## Funding

Dr **Paolo GIACOBINI** from the laboratory of **Vincent PRÉ-VOT** (Research Center Jean-Pierre Aubert, U1172). has obtained a 5 years ERC Consolidator funding of € 2 million for its REPRODAMH project: '*Extra-gonadal roles of Anti-Müllerian Hormone in the aetiology of polycystic ovary syndrome: the domino effect to reproductive neuroendocrine dysfunctions*'.

The CERVOxy (Hypoxia & Cerebrovascular pathophysiology and tumor) team has been awarded a € 20,000 funding for a 1-year project '*Support for Emerging Projects 2017*' from the Cancerpole Nord-Ouest (CNO) of the ISTCT unit (CNRS-CEA-UNICAEN). The project entitled '*Evaluation of Radio-induced Brain Damage by Exposure to Low and High Doses of Ionizing Radiation on an Adult Rat Model*' in the CNO Axis '*Cancer and Neurosciences*' is supported by **Myriam BERNAUDIN** and **Elodie PÉRÈS**. It aims at identifying at the preclinical scale the existence or absence of radiation-induced brain damage by exposure to low doses of ionizing radiation. Characterization of the effects of low and high doses of irradiation (XRad225Cx irradiator, Equipex Rec-Hadron, CYCERON platform) will be carried out by longitudinal MRI monitoring (MRI 7T) and post-mortem immunohistochemical studies of vascularization, inflammation, myelination and neurogenesis. This project should enable preclinical validation of imaging biomarkers (MRIs) to detect early radiation-induced brain lesions that can account for the cognitive deficits commonly seen in patients treated with radiotherapy. This project will be carried out in collaboration with the Laboratoire de Mathématiques **Nicolas ORESME** (LMNO, CNRS-UNICAEN).

## Trainings

The University of Caen Normandy offers for the 2017 academic year a [Master's degree](#): Valorisation of Bio-Technological Innovations dedicated to training of students in the fields of research valorization and support for business creation. This master's degree in dual competence is carried out by the UFR of Sciences in partnership with the UFR of Law. It is open to students from L3 Biology / Science and Law Students / AES. For more information, contact **Edwige PETIT** ([edwige.petit@unicaen.fr](mailto:edwige.petit@unicaen.fr)).

Places are still available for a training course '*Laser microdissection and real-time PCR*' offered by the PRIMACEN Platform from March 28<sup>th</sup> to 30<sup>th</sup>, 2017. For more information and to register, please contact **Dorothee TERRYIN** ([dorothee.terryin@inserm.fr](mailto:dorothee.terryin@inserm.fr)).

Find us on:

<http://larc-neurosciences.org>