Freiburg

Strasbourg

Basel

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Neurex Newsletter

Issue May 2013



A ceremony held on the 6th of May celebrated the start of construction work on the new facility for the German Center for Neurodegenerative Diseases (DZNE) in Bonn, which should be followed by the creation of a new building in Tübingen in 2015. With the very recent creation of a new Federation in Strasbourg, the prolongation of the Competence Center in Basel and the inauguration of the cluster of excellence "Brain links-Brain Tools" in Freiburg, Neuroscience re-asserts itself as a leading discipline in the Upper Rhine region. Additional group leaders have joined or will join Neurex in the coming weeks, the 2013 call for the NeuroTime PhD fellowships will open in June, and new Neurex actions such as the program of support to publications are launched (see inside). Three main scientific events will take place at the beginning of June. Following a workshop on the mysterious world of clocks, the regulation of synaptic release and membrane excitability will be addressed during a two-day event. Last but not least, the Neurex annual meeting will explore neuronal dynamics. Before wishing you a nice Summer time, we would like to express our gratefulness to all the scientists who are or have been involved in our actions, maintaining a high dynamic in our network. Looking forward to meeting you in June!



Prof. Nicole Schaeren-Wiemers new head of the Neuroscience Network Basel



The Rektorat of the University of Basel announced last March the prolongation of the Neuroscience Network Basel (NNB) as a Center of Competence in Neuroscience for the coming 4-years term 2013-2017.

Prof. Nicole Schaeren-Wiemers, group leader at the Department Biomedicine and former President of the Swiss Neuroscience Society (2009-2011) has been elected Head of the Steering Committee. The Steering Committee is made of Silvia Arber (Biozentrum), Pico Caroni (Friedrich Miescher Institut), Bernhard Bettler (Departement Biomedizin), Ludwig Kappos (Neurologie), Anne Eckert (Psychiatrie), Andreas Papassotiropoulos (Psychologie & LSTF), Gunther Merdes (D-BSSE), Andreas Lüthi (Friedrich Miescher Institut) and N. Scharen-Wiemers (DBM). The Neuroscience Network Basel is coordinated by Dr Catherine Alioth and Dr Simone Grumbacher.

More information on

http://www.neuronetwork.unibas.ch/. P.P.



Created in Strasbourg in 2012, the FMTS (Federation of Translational Medicine Strasbourg) federates laboratories of the University and Faculty of Medicine. It carries a biomedical project centered on four main priorities of research: ⁽¹⁾immunology-infectioninflammation, ⁽²⁾cancerology, ⁽³⁾biomaterialsbioengineering-robotics and ⁽⁴⁾neuroscience. Each of these research axes is under the supervision of two coordinators, respectively involved in clinical and fundamental research.

Importantly, the FMTS and Neuropôle have decided to coordinate their actions (see diagram): the structuration of the neuroscience axis of research at the FMTS will fully complement the orientations defined at the Neuropôle (see next page), thus allowing the development of a strong translational research in neuroscience in Strasbourg. On the 3rd of May 2013, Prof. G. Mensah-Nyagan, coordinator of the neuroscience axis at the FMTS, organized an event during which representatives of the FMTS and of the Neuropôle defined a framework aimed at harmonizing the coordination between the two federations. A program featured presentations by Prof. J. Sibilia (Dean of the Faculty of Medicine), Prof. S. Bahram (Coordinator of the FMTS), Dr. B. Poulain (Director Neuropôle & Co-Director ITMO Neuroscience), Dr. E. Hirsch (Director ITMO Neuroscience [Institut Thématique Multi-Organismes], Prof. G. Mensah-Nyagan & P. Vidailhet (coordinators FMTS Neuroscience), and group leaders of FMTS laboratories (Dr. Giersch, Dr. Loeffler, Dr. Armspach). It was decided that future scientific events organized by the FMTS in neuroscience will be open to all members of the Neuropôle and that common actions will be organized.



Diagram illustrating the articulation between the FMTS and the Neuropôle Strasbourg.

Source: Prof. Mensah-Nyagan, UMR_S, INSERM U1119, Strasbourg University

A new Federation of University Research in Neuroscience in Strasbourg: the Neuropôle

A Federation of University Research in Neuroscience was recently created in Strasbourg, in continuation of the former IFR 37 (Federative Institute of Neuroscience in Strasbourg, previously led by Dr. Paul Pévet). The new federative Institute, called Neuropôle, is directed by Dr. Bernard Poulain, team leader at the INCI (UPR 3212, Strasbourg). Dr. Bernard Poulain is member of the scientific board of Neurex and Scientific Assistant Director in charge of Neuroscience at CNRS (Centre National de la Recherche Scientifique) in Paris.

The Neuropôle is led by an executive committee made of Dr. B. Poulain, Prof. J.M. Danion (UMR S_1114 Inserm), Dr. C. Kelche (LNCA), Dr. P. Veinante (INCI), Dr. P. Poisbeau (INCI). Its role is to apply the scientific strategies defined by the scientific committee (made of members of the executive committee plus directors of the neuroscience research units). The Neuropôle also includes an advisory board made of all the team leaders of the Neuropôle, and some representatives of ITA (engineers, technicians and administrative) and of PhD students.

For the period 2013-2017, the Neuropôle brings together 36 research teams, all positively evaluated by the AERES (Agence d'Évaluation de la Recherche & de l'Enseignement Supérieur), and located in 11 units, laboratories or research centers. They include CNRS units -born in the context of the renewed partnership CNRS-University- such as the INCI (Institut de Neurosciences Cellulaires & Intégratives) which was made in 2005 by the merge of 3 CNRS units and the LNCA (Laboratoire de Neurosciences Cognitives et Adaptatives), former LINC -Laboratoire d'Imagerie et de Neurosciences Cognitives, which was also created by the merge of 3 CNRS units in 2007. Four Inserm units are part of the Neuropôle and located at the Faculty of Medicine: UMR S_1114 Inserm led by Dr. A. Giersch (former U 666 Inserm led by JM Danion) and UMR S_1118 led by Dr. JP Loeffler (former U 694 Inserm); two Inserm units have recently been created: UMR S_1119 led by Prof. G. Mensah-Nyagan (see also article on page 2) and UMR 1112 Inserm (Laboratory of Medical Genetics) led by Dr. H. Dollfus. Some research units of the IGBMC (UMR 7014, INSERM 964) in the Departments of Translational Medicine & Neurogenetics and of Biology of Development & Stem Cells are also part of the Neuropôle.

Last but not least, the Neuropôle will host at IREBS (www.irebs.u-strasbg.fr) a group of the «Department of BioSystems Science and Engineering» Basel/Zürich (www.bsse.ethz.ch), led Dr. M. Fussenegger.

Even though the Neuropôle -strictly speakingincludes teams, laboratories¹ and platforms which carry a seal of approval by CNRS, INSERM or university, it is however at the center of a broader neuroscience community, which brings together miscellaneous clinical and non-clinical teams and structures not evaluated by the AERES, but present at the Faculty of Medicine (12 teams), the Colmar Hospital (2 teams) and the Rouffach Hospital (1 team). Some of the laboratories at the Faculty of Medicine which are already part of the Federation of Translational Medicine are also members of the Neuropôle.

The Neuropôle includes technological platforms such as in vitro and in vivo imaging platforms, the Chronobiotron, the Circsom platform (under construction; devoted to the study of circadian rhythms in human).

More information on http://neurochem.u-strasbg.fr

¹ 17 research teams are located on the Esplanade campus, 1 team in Cronenbourg, 8 teams at the Faculty of Medicine and 14 teams on the Illkirch-Graffenstaden campus

Regulation of synaptic release and membrane excitability in the CNS





Dr. B. Poulain Director of Neuropôle, Strasboura

group leader of the team Physiology of Neural Networks, Strasbourg

Co-organizers of the workshop Regulation of synaptic release and membrane excitability in the CNS

Understanding brain functioning is one of the greatest challenges facing science. The Human Brain is an amazingly complex connectome managing 10¹¹ neurons and even more glial cells (i.e. processing units) connected via > 10^{9} m of axons or dendrites (i.e. the connectors) and 1015 synapses (i.e. the connections). Understanding how the brain, as a machine, computes and communicates opens the possibility to develop brain inspired new hardware. Given this high potential to deliver major benefits for society and industry, this domain of research recently received considerable support from the EU and US (see the Human Brain Project recently selected by the Future and Emerging Technologies (FET) Flagships Initiative http://www.humanbrainproject.eu/fet_flagship_programme.html, and the BRAIN Initiative (Brain Research through Advancing Innovative Neurotechnologies, http://www.nih.gov/science/brain).

There is no functional connectome without connections and without synapses, there is no brain. Thus, understanding synapse functioning is a great challenge, too. A lot has been done, but the unresolved questions are still many. How many different types of synapses are present in the brain? Why do they vary so much in protein composition, shape, functional properties etc? What is the relationship between gene variants and synapse(s) properties? How do neurons integrate the various synaptic inputs they receive? What specific behaviour emerges from combining different type of synapses in a neuronal microcircuit? All these questions are addressed by several teams of the Cellular and Integrative Neuroscience Institute (INCI), part of the CNRS and University of Strasbourg (http://inci.u-strasbg.fr/fr/index.html) B.P.

A Neurex workshop entitled "Regulation of synaptic release and membrane excitability in the CNS" will take place on the 6th and 7th of June in Strasbourg. Organized by Bernard Poulain (see also article on page 3) and Philippe Isope (Physiology of Neural Networks, INCI, http://inci.u-strasbg.fr/fr/equ2/presentation.html), this event is a unique occasion to foster scientific exchanges with neurobiologists specialized in the investigation of synaptic mechanisms (synaptic integration, network function and behaviour, new optical methods), both in vitro and in vivo, from molecular components to intact brain.

Registration now open. Full program and details available on http://www.neurex.org/event/ workshop-on-regulation-of-synaptic-releaseand-membrane-excitability-in-the-cns/

Looking forward to meeting you on the 6th and 7th of June!

WORKSHOP

Regulation of synaptic release and membrane excitability in the CNS

June 6th-7th, 2013

Location:

Amphithéâtre Eisenmann, Faculté de droit, I place d'Athènes, Strasbourg



PROGRAM

JUNE 6"

NEW ASPECTS IN SYNAPTIC VESICULAR RELEASE

10.00 Coexistence of vesicular transmitter transporters and their functional impact for synaptic plasticity: Gudrun Ahnert-Hilger (Berlin, Germany)

- 10.30 tba / Ralf Schneggenburger (Lausanne, Switzerland) 11.00 Transmitter release at synapses of the cerebellar
- cortex: Hartmut Schmidt (Leipzig, Germany)

11.30 Cottee break

SESSION 2:

STNAP	TIC VESICULAR RELEASE AT HIGH FREQUENCY
12.00	Mechanisms of kHz-transmission at a central
	6 . 7 11 11 1 1 1

synapse: Stefan Hallermann (Göttingen, Germany) 12.30 Frequency dependant vesicular release at the granule cell-Purkinje cell synapse: Philippe Isope (Strasbourg, France)

13.00 Lunch-Poster

SESSION 3:

INHIBITORY TRANSMISSION IN NEURAL NETWORKS

15.30 Mechanism underlying synaptic plasticity in hippocampal GABAergic cells:

- Marlene Bartos (Freiburg, Germany) 16.00 Modulation of inhibitory synaptic transmission in the dorsal horn of the spinal cord: Rémy Schlichter (Strasbourg, France)
- 16.30 Circuits mediating lateral inhibition in olfactory bulb glomeruli: Didier Desaintian (Strasbourg, France)
- 17.00 Ultra fast inhibition: Boris Barbour (Paris, France)

June 7^m

- SESSION 4: CONTROLLING MEMBRANE EXCITABILITY
- 09.00 tba / Sylvain Rama (Marseille, France)
- 09.30 Variability in ion channel properties and variability in firing in dopaminergic neurons: Jean-Marc Goaillard (Marseille, France)
- 10.00 tba / Jana Hartmann (München, Germnay)

10.30 Coffee break

SESSION 5

SYNAPTOPATHIES

- 11.00 Synaptic protein networks in synaptopathies:
- the case of SNAP-25: Michela Matteoli: (Milano, Italy) 11.30 Pre and postsynaptic changes in the absence
- of dystrophins: Michel Roux (Strasbourg, France) 12:00 Pathophysiology of intellectual disorders: lessons from multiscale analysis in mouse models:
- Yann Humeau (Bordeaux, France) 12.30 Regulation of release dynamics and epileptogenesis:
- Fabio Benfenati (Genova, Italy)

13.00 Lunch



Partners: Program Interreg IV Upper Rhine "Transcending borders with every project", CNRS, INSERM, Universitié de Strasbourg, Région Alsace, Département du Bas-Rhin, Département du Haut-Rhin, Communauté Urbaine de Strasbourg, Bernstein Center Freiburg, Universität Freiburg, Universität Basel, Kanton Basel-Stadt, Kanton Basel-Landschaft, Confédération Helvétique.



A new website for Neurex was launched a few days ago

As for the previous one, you can create a personalized account thanks to a login (your e-mail address). Many thanks to note that, if you have not done so, you are no more part of our mailing list.

This new account allows you to be listed in the Neurex Directory (visible on the website), to register to our scientific events and to receive our announcements. Entering your data will be necessary only once and you have the possibility to modify them at any time as well as your password, (a first password has been automatically sent to you during the account creation process). **Our website is made of several different sections.**

Our coming **Workshops and Meetings** are listed on the home page and by selecting one, you can see the program, download the poster and register to the event. The section "Events" gives you the possibility to consult the list of the past and coming events through a monthly calendar.

In the section "About Neurex" you can find the description of the aims of our network, the Neurex organization and the Directory (Members/Institutions).



In the thumbnail **"Funding research"** you will find the necessary information concerning our funding programs like the Support Program "Welcome/Coming back of researchers", the Support program to start-ups, the Postdoctoral fellowships and Support Program to publication (see article page 7).

A description of Neurex training programs is also available under **"Education"**. Concerning the PhD, the NeuroTime program (Erasmus Mundus fellowships) is described and a direct link to the NeuroTime website has been inserted. On the page dedicated to the Master, the Joint Master of Neuroscience is presented. A third sub-section presents the Neurex support for travel costs (to attend Neurex events) and the validation of the Neurex workshops as ECTS-Points.

A rubric is dedicated to the "Job/Internet ship Market", you can consult and/or submit a job offer and upload CVs.

On the right site of the website you can download the last edition of our **newsletter**. Below it you will find the titles and **RSS links** to the latest articles published in scientific journals like Journal of Neuroscience or Nature Neuroscience.

And you will discover other functionalities by surfing around... S.K.

NeursTime

NeuroTime Erasmus Mundus program: the new call for projects will be open from June to August!

Last year, 11 scientific collaborative projects have been proposed by scientists of the NeuroTime consortium and selected by the NeuroTime Steering Committee. Eight of the candidates who applied to the program were selected and will receive a three-year PhD fellowship, starting on October 2013. The third call for scientific collaborative projects will be launched in June and close end of August. Applications for graduate candidates will be open from September to December. Information regarding the program is available on our website at: http://www.neurotime-erasmus.org/. For complementary information, contact us at ntadmin@unistra.fr. D.B.

Neurex Program of support to publications

Neurex supports some of the costs inherent to the publication process in peerreviewed scientific journals (paper or electronic format).

Such costs may include the following:

- Publication fees for regular manuscripts or brief communications,
- Fees for color charges,
- Publication costs for on-line videos or electronic articles.

The proportion of the costs supported by Neurex will be based on the most recent ISI impact factor of the journal in which the article will be published.

More info and application form on or contact: (Pascale Piquet / Stéphanie Klipfel).

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Basel-Stadt. Kanton Basel-Landschaft, Contédération Heb

Support to publication

We would like to remind you that Neurex supports some of the costs inherent to the publication process in peer-reviewed scientific journals (paper or electronic format). Such costs may include publication fees for regular manuscripts or brief communications, fees for color charges, publication costs for on-line videos, electronic articles or articles in scientific video journals. More details on

http://www.neurex.org/event/neurexprogram-of-support-to-publication/

P.P.



A new website

was recently launched at the Department of Psychiatry and Psychotherapy, University Medical Center Freiburg. Supervised by Dr Christoph Nissen (leader of the team "Sleep & plasticity") and Prof Knut Biber (leader of the team "Molecular psychiatry"), the website gives access to the detailed description of the research performed in the teams at the department. More details on http://www.uniklinik-freiburg.de/psych/live/forschung.html C.N.



The University of Freiburg

inaugurated last April the cluster of excellence "Brain links-Brain Tools" aimed to develop medical technology that directly interacts with the nervous system. Brain links-Brain Tools unites the life sciences, engineering, and clinical applications. This Cluster of Excellence, was funded in 2012 within the German Excellence Initiative.

Workshop NEUREX

The mysterious world of clocks

June 3rd, 2013

Salle des séminaires, Location Centre de neurochimie, 5 rue Blaise Pascal, STRASBOURG



More into on www.neurex.org or contact: Pascale.Piguet@uniDastch

reg IV Upper Rhine "Transcending borders with every project", CNRS, INSERM, U , Département du Bos-Rhin, Département du Haut-Rhin, Communauté Urbaine de Sh

PROGRAM

09.00 - 09.10 Introduction P. Pévet, Strasbourg, France

09.10 - 09.50Clocks within the master clock J.H. Meijer, Leiden, Netherland 09.50 - 10.30 From central to peripheral clocks and back U. Albrecht, Fribourg, Suisse

10.30 - 11 00 Co 11.00 - 11.40

The existence of a food clock: its role E. Challet, Strasbourg, France

10.40 - 12.20 The enigmatic MASCO J. Mendoza, Strasbourg, France 12.20 - 13.00

Transcriptional versus Non-transcriptional clocks: the example of unicellular algae F.Y. Bouget, Banyuls, France

18.00 - 14.00 Lunch 14.00 - 14.40 The world of clocks in insects F. Rouyer, Gif-sur-Yvette, France

14 40 - 15 20 The world of clocks in fish N. Foulkes, Karlsruhe, Germany

15.20 - 16.00

Evidence for the existence of a non-temperature-compensated clock in the control of hibernation A. Malan, Strasbourg, France

16.00 - 18.20 Coffee b 16.20 - 17.00 The circannual clock

of the European hamster. How is it entrained by photoperiod? S. Monecke, Strasbourg, France 17.00 - 17.40

Conclusions: Circadians clocks an evolution in the shadows M. Merrow, Munich, Germany



June 3rd, 2013 It is known nowadays

that a complex multi-oscillatory circadian network governs optimal and anticipatory temporal organization of functions. The importance of such circadian multi-oscillatory networks for human health and welfare is becoming increasingly recognized and the development of counteractive strategies to treat, prevent or delay disturbances associated with rhythm perturbations is a new challenge for science and medicine. This task requires a more complete knowledge of the circadian timing system. Until recently it was believed that all clocks share similar molecular mechanisms to generate oscillations, that they were reset by inputs and were delivering circadian signals to the brain and peripheral organs. Recent knowledge demonstrates that the system is more complex and that additional molecular mechanisms and different types of clocks exist.

This forms what we have termed the "mysterious world of clocks": during a workshop held on the 3rd of June in Strasbourg, we will consider especially some of these new molecular mechanisms as well as the nature of some of these new types of clocks.

Registration now open.

Full program and details available on http://www.neurex.org/event/workshop-themysterious-world-of-clocks/

Looking forward to meeting you on the 3rd of June!

P.Pé.

NEUREX ANNUAL MEETING

From neuronal dynamics to behaviour

June 10th, 2013



PROGRAM

Session I Plasticity and function of neuronal circuits

- Thomas Oertner (University Rospital Hamburg-Eppendorf, Germany) Long-term plasticity: Adjusting synaptic strength or synaptic lifetime? 09.30
- Long-term plotsicity: Asjourne symphic strength er synophic lifetime? It blog is (Democry) Died Reff (University of House) Died Reff (University of House) Died Reff (University of House) Diedensity (Democry) Diedensity (Democry) Diedensity (Democry) Diedensity (Democry) Diedensity (Democry) Active visual processing in behaving mise Peising Zhar (Ph. Bord). Subtraction() Stabilization of door representations by a bidractional microarceut Daniel Miller (Ph. Sond: Subtraction) A causal (link bivene computation of mation direction in contex and reline 10.00
- 10.30 11.00
- 11.15

Session 2: Adult neurogenesis

- 13.30 Paul Frankland (University at Toronta, Canada) New neurons and new memories 14.00
- New neurons and new memories Ayumu Toshiro (VanxikAR) Ukeurosence Frogramme MU, Shoppore) Immotrie neurons and place-cell activity in the adult dentee gyue Gabriel Lepousez (Institut Parseur Paris, France) Contribution of adult horn neurons to officiory processi Controllation of adult horn neurons to officiory processi
- 14.30 15.00
- Liyi Li (Cepariment of Biomedicine, Basel, Switzerland) Synaptic excitation of newly generated hippocampal granule cells 15.15
 - granue cene Claudio Giachino (Department al Riomedicine, Basel, Switzerland) Extrinsic mechanisms regulating adult neural stem cell quiescence and fate decision
- Session 3:

Inhibitory circuits

- Pico Caroni (FMI, Bosel, Switzerland) Learning-related plasticity of parvalburnin neuron networks in the adult 16.00
- networks in the adult Martene Bantos (University of Freibung Germany, Distance-dependent inhibition facilitates the ermergence of multiple facel gamma oscillati in conticul circuits Rémy Schlichter (NICI Strabeurg France) Spinal inhibitry networks and processing of nociceptive information 16.30
- 17.00
- 17.30 Alexandre Charlet (INCI, Strasbourg, France) Oxytocin enhance inhibition in the central lateral amyadala 17.45

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Steffen Wolf (FMI, Basel, Switzerland) Bi-directional control of fear learnin ig by a



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June 10th, 2013 **NEUREX** ANNUAL MEETING Pharmazentrum Basel, Hörsaal 1

The Neurex annual meeting 2013 will take place in Basel this year and focus on neuronal dynamics. Held on the 10th of June (Pharmazentrum), it will include 3 sessions: Plasticity & function of neuronal circuits, Adult neurogenesis and Inhibitory circuits. As every year, it will include a poster session (posters visible all day long). We are pleased to welcome local scientists of the Neurex network as well as international quests.

We would like to express our gratefulness to the organizing committee: Bischofberger Josef (DBM), Friedrich Rainer (FMI), Lüthi Andreas (FMI) and Vogt Kaspar (Biozentrum).

Looking forward to meeting you on the 10th of June!

P.P.

September, 26th-29th 2013 The Nervous System of *Drosophila melanogaster*: from Development to Function

http://filab.biologie.uni-freiburg.de/ meeting2013/meeting.html



Image by Martin Helmstädter

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This newsletter can be downloaded from our website http://www.neurex.org.

If you wish to regularly receive it in a paper format, please send a mail to: info@neurex.org

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Partners: Program Interreg IV Upper Rhine «Transcending borders with every project», CNRS, INSERM, Université de Strasbourg, Région Alsace, Département du Bas-Rhin, Département du Haut-Rhin, Communauté Urbaine de Strasbourg, Bernstein Center Freiburg, Universität Freiburg, Universität Basel, Kanton Basel-Stadt, Kanton Basel-Landschaft, Confédération Helvétique.



«Regulation of synaptic release and membrane excitability

in the CNS» Strasbourg, France

Strasbourg, France

■ 6th - 7th - Workshop

Coming events

«The mysterious word of clocks»

JUNE 2013

3rd - Workshop

 10th - Neurex Annual Meeting «From neuronal dynamics to behaviour»
 Basel, Switzerland

SEPTEMBER 2013

 26th-29th - Meeting
 «The Nervous System of Drosophila Melanogaster: from development to function»
 Freiburg, Germany

NOVEMBER 2013

- 9th-13th Congress
 «43rd annual meeting of the Society for Neuroscience»
 San Diego, California
- 26th -28th Meeting
 «Understanding the neural basis of diurnality»
 Strasbourg, France
- 28th Workshop
 «The Chonobiotron: a platform dedicated to biological rhythms»
 Strasbourg, France

DECEMBER 2013

- 3rd Meet&Match (Neurex /BioValley)
- Basel, Switzerland 5th -6th - Meeting & Controversy «Multiple Sclerosis» Basel, Switzerland
- 12th 13th Meeting «Cognitive thalamus» Strasbourg, France

JANUARY 2014

13th-14th - Workshop
 «Autobiographical Memory»
 Strasbourg, France

This description is not definitive, but lists the events which are ready or in preparation. Please check again on www.neurex.org or in the next newsletter for additional events.

Info & links

NEUROSCIENCE FEDERATIONS & LABORATORIES IN THE UPPER RHINE VALLEY

The Neurex network includes the 3 neuroscience federations of Basel (NNB, Neuroscience Network Basel), Freiburg (Neurag) and Strasbourg (Neuropôle) plus additional research units performing research in the NS. For a detailed description of the institutes making up the neuroscience landscape in Neurex, you may download our supplement to newsletter 26 on www.neurex.org.

Neuropôle

http://neurochem.u-strasbg.fr

NEURAG

http://www.neurag.uni-freiburg.de

NNB

http://www.neuronetwork.unibas.ch

NEWSLETTERS

Unibasel

http://www.unibas.ch/Section newsletter

A.L.UNi Freiburg

http://www.studium.uni-freiburg.de/ newsletter

Unistrasbourg

http://www.unistra.fr/index.php?id=1180

Computational Neuroscience:

Bernstein newsletter

http://www.nncn.uni-freiburg.de/ Aktuelles-en/BernsteinNewsletter-en



www.neurex.org