

Ad Aertsen  
Bernstein Center Freiburg  
and Faculty of Biology  
University of Freiburg

neurex  
neuroscience · upper · rhine · network



NeuroCampus Project  
2015 - 2018

INTERREG V





FREIBURG



BASEL



*Ein Exzellenznetzwerk der  
neurowissenschaftlichen Forschung*

3 Länder



3 Universitäten



3 Neuro-Programme

- Universitäre Grundlagenforschung
- Klinische Forschung
- Pharmazeutische Industrie



Europäische und Schweizer Finanzierung



ELTEM Program



Interreg Program

**Networking Neuroscience  
in the Upper Rhine Valley**

# Neuroscience in Basel



## *Faculty of Science*

(Neurogenesis & function of neural networks)



## *Faculty of Medicine*



- Developmental neuroscience
- Neurobiology
- Clinical neuroimmunology
- Neuromuscular Research
- Tumor biology

**LSTF**  
(Neurogenomics)

**Pathology**

**Neurodegeneration**



- Chronobiology
- Neurobiology
- Depression
- Psychosis

**Institute of Psychology**

*Trans-Faculty  
Platform*

**MEMORY  
Clinic**

## *Faculty of Psychology*

# Neuroscience in Freiburg



## *Faculty of Biology*

### Inst. Biology I

Developmental Biology  
Animal Physiology  
Neurobiology and Behavior

### Inst. Biology III

Neurobiology & Biophysics  
Computational Neuroscience  
Neurobiology and Neurotechnology  
Optophysiology

Bernstein Center  
Freiburg



EC BrainLinks -  
BrainTools

Inst. of Informatics

Inst. of Microsystems Technology

## *Faculty of Engineering*

## *Faculty of Medicine*

### University Clinics

Neurology

Neurosurgery

Psychiatry

ENT

Eye Clinic

### Medical Theoretical Institutes

Inst. Anatomy & Cell Biology

Inst. of Physiology

Inst. of Exp. & Clinical  
Pharmacology and Toxicology

Inst. of Psychology

Inst. of Sport and Sport Science

## *Faculty of Economic & Behavioral Sciences*

# Neuroscience in Strasbourg



*CNRS*

**INCI – UPR 3212 CNRS (M.F. Bader)**  
**Institute of Cellular and Integrative neuroscience**

Neuronal networks / chronobiological rhythms /  
Nociception & pain

**LNCA – UMR 7364 CNRS Uds (J.C. Cassel)**  
**Lab. of Cognitive & Adaptive Neurosciences**

Memory & aging

**I CUBE: lab. of engineer sciences, computing &  
imaging (J.P. Armspach)**

**IGBMC. CNRS UMR 7104 - Inserm U 964**  
**Translational Medicine & Neurogenetics**

Medicine, neurogenetics & neurodevelopment

Biotechnology and cell signalling  
(J.L. Galzi)

*University*

*Inserm*

**UMR\_S Inserm 1119 (A.G. Mensah-Nyagan)**  
**Biopathology of myelin, neuroprotection &  
therapeutic strategies**

Neuropathies / myelin pathologies / Neuroprotection in  
Alzheimer's disease

**UMR\_S Inserm 1118 (J.P. Loeffler)**  
**Central & Peripheral mechanisms of neurodegeneration**

Amyotrophic Lateral Sclerosis

**UMR\_S Inserm 1114 (A. Giersch)**  
**Cognitive Neuropsychology & Physiopathology of  
Schizophrenia**

Autobiographical memory & schizophrenia

Microenvironmental Niche in Tumorigenesis and Targeted  
Therapy (D. Bagnard)

**Equipe Avenir**  
**Physiopathology & molecular epidemiology  
of rare genetic syndroms (H. Dollfus)**

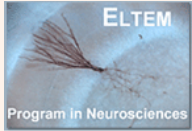
1987 Informal creation of Neurex (**Neu**rodrug **Ex**change Group)  
1990's-1999 Yearly meetings with individually raised sponsorships

October 1999 Official formation of Neurex – Creation of a Scientific Board



### Funding History:

2001-2007	ELTEM		CHF 3.280.000
2002-2007	Interreg III	Project <i>neurex</i>	2.400.000 €
2008-2011	Interreg IV	Project <i>neurex +</i>	3.200.000 €
2012-2015	Interreg IV	Project <i>Trineuron</i>	3.250.000 €
2016-2018	Interreg V	Project <i>NeuroCampus</i>	3.200.000 €



## Eucor Learning & Teaching Mobility Program ELTEM

2001-2007

CHF 3.280.000

## Interreg III

2002-2007

2.600.000 €



- Workshops & Meetings
- Doctoral fellowships
- Postdoctoral fellowships
- Winter Schools
- Overall organization of the network (directory, etc)
- Public events (in co-organization with local entities)
- Communication with media
- Creation of a new logo
- Support to companies

neurex  
neuroscience · upper · rhine · network



Projects *neurex + & Trineuron* : Federate Research in the Upper Rhine Valley

- Workshops & Meetings
- Doctoral fellowships
- Postdoctoral fellowships
- Winter Schools
- Controversy debates
- Support to publications
- Support to start-ups
- « Welcome-back » fellowships
- Meetings with industry
- Public events (in co-organization with local entities)
- Communication with media
- Creation of a Joint Master in Neuroscience
- Successful raising of an Erasmus Mundus Program « NeuroTime »



**Validated as credit points  
by the doctoral schools  
of the 3 universities**

INDEX WORKSHOP

# Circadian rhythms and Sleep homeostasis: Two inseparable processes

Monday 18<sup>th</sup> November 2013  
Location: Phoenix at Lahti  
Bosch, Finland



Over the last 50 years, our understanding of circadian rhythms has advanced to the point that we can now explain a large number of the effects of sleep deprivation on the body and mind. However, the mechanisms underlying the circadian rhythms are still not fully understood. The workshop will focus on the latest research in this field and on the importance of circadian rhythms for human health and well-being.

**PROGRAM**

10:00 **Registration**  
10:30 **Breakfast**  
11:00 **Workshop starts**  
11:30 **Introduction**  
12:00 **Registration**  
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13

## What do genetically modified rodents tell us about neurological and psychiatric disorders?

neuroX

Workshop

**October:**  
27<sup>th</sup> - 28<sup>th</sup> 2011

**Location:** IGBMC  
7 rue Laurent Fries  
67400 Illkirch - France

PROGRAM



**08 OCTOBER 27<sup>th</sup>**

14:00 - 15:00	<b>Session 1: Opening Remarks</b>
15:00 - 16:00	<b>Session 2: Genetic Models</b>
16:00 - 17:00	Break
17:00 - 18:00	<b>Session 3: Genetic Models</b>
18:00 - 19:00	<b>Session 4: Genetic Models</b>
19:00 - 20:00	<b>Session 5: Genetic Models</b>
20:00 - 21:00	<b>Session 6: Genetic Models</b>
21:00 - 22:00	<b>Session 7: Genetic Models</b>
22:00 - 23:00	<b>Session 8: Genetic Models</b>
23:00 - 24:00	<b>Session 9: Genetic Models</b>
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25:00 - 26:00	<b>Session 11: Genetic Models</b>
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86:00 - 87:00	<b>Session 72: Genetic Models</b>
87:00 - 88:00	<b>Session 73: Genetic Models</b>
88:00 - 89:00	<b>Session 74: Genetic Models</b>
89:00 - 90:00	

NEUREX

CONTROVERSY IN NEUROSCIENCE

## Alzheimer's Disease: time to abandon the beta amyloid hypothesis?

Debate moderated by  
Prof. C. S. Atwood,  
University of Wisconsin, Madison, USA

### Yes

**Prof. R. J. Castellani**

University of Maryland  
School of Medicine, Baltimore, USA

**Dr K. Herrup**

Rutgers University, Piscataway, NJ, USA

### No

**Prof. J. Hardy**

University College London, UK

**Dr E. Karran**

Center for Human Genetics and LIND,  
University of Leuven, B



May

11<sup>th</sup>

2012

13:30 to 15:30

Location:

PharmaZentrum  
Klingelbergstrasse 50,  
Hörsaal I - Basel

Partners: Program Interreg IV Upper Rhine "Overcome borders: project other project", Institut Fédératif des Neurosciences de Strasbourg, CNRS, INSERM, Université de Strasbourg, Région Alsace, Département du Bas-Rhin, Département du Haut-Rhin, Communauté Urbaine de Strasbourg, Bernstein Center for Computational Neuroscience Freiburg i. Br., Universität Basel, Kanton Basel-Stadt, Kanton Basel-Landschaft, Confédération Helvétique.

Organizer: P. Piguet

More info and registration on [www.neurex.org](http://www.neurex.org) or contact [Pascale.Piguet@unibas.ch](mailto:Pascale.Piguet@unibas.ch)



## Controversy Debates



# Meetings with industry

NEUREX VISIT

## Visit of the CorTec Company

June 28<sup>th</sup>, 2012  
Location: Georges Köhler Allee 10  
D- 79110 Freiburg i.Br.

### PROGRAM

Welcome Coffee  
Presentation of the company  
(from the concept  
to the business)  
Visit of the production/platform  
Lunch



 CorTec

Contact: stephanie.kliptei@neuro-cnrs.unistra.fr  
More info and registration  
[www.neurex.org](http://www.neurex.org)

Partners: European Commission (ERDF), Program Interreg IV Upper Rhine "Overcome borders: project after project", Institut Fédératif des Neurosciences de Strasbourg, CNRS, INSERM, Université de Strasbourg, Région Alsace, Département du Haut-Rhin, Communauté Urbaine de Strasbourg, Bernsteiner Center Freiburg, Universität Basel, Kanton Basel-Stadt, Kanton Basel-Landschaft, Confédération Helvétique.



## Assessing neurological and psychiatric disorders & their therapeutic answers

December 3<sup>rd</sup>, 2012

Location: Centre de neurochimie,  
5, rue Blaise Pascal,  
STRASBOURG

Meet & Match  
BIOVALLEY TRINATIONAL  
& NEUREX

### PROGRAM

10.15 - 10.35 Welcome Coffee  
10.35 - 10.45 Welcome Address  
10.45 - 11.05  
Dr. Serge Bischoff,  
CEO, RHENOVIA SAS Mulhouse, France  
"RHENOVIA: Biosimulation in CNS Drug  
Discovery & Development"  
11.05 - 11.25  
Dr. Peter Boeljinga, neurobiologist and physicist,  
expert in applied electrophysiology, France  
"Empirical evaluation of the role of neurotransmitters  
in the working brain"  
11.25 - 11.45  
Dr. Stéphanie Kleinmichel,  
CEGA GmbH Tübingen, Germany  
"Using panel sequencing to uncover neurodegenerative  
diseases"  
11.45 - 12.05  
Dr. Claudia Schulte, Berlin Institut für Klinische  
Hirnforschung und Deutsches Zentrum für Neurodegenerative  
Erkrankungen (DZNE) Tübingen, Germany  
"A special biobank for neurological research"  
12.05 - 13.30 Networking Lunch  
13.30 - 13.50  
Jean-Jacques Bernardini, Agent for European Research  
Projects, Alsace Innovation Strasbourg, France  
"Possibilities to cofinance collaborative and transnational  
R&D projects: FP, EUROSTARS and others..."  
13.50 - 14.10  
Dr. Stéphanie Wagner,  
Head of R&D NEUROFIT SAS Illkirch, France  
"NEUROFIT: in vivo and in vitro validated methods  
and disease models for drug screening"  
14.10 - 14.30  
Prof. Guy Messiaen-Hyagen, Biopathology of Myelin,  
Neuroprotection and Therapeutic Strategies, UMR\_S,  
INSERM U1119, University of Strasbourg, France  
"Multidisciplinary assessment of the potential  
of neuro-steroids to eradicate chemotherapy-induced  
painful peripheral neuropathy"  
14.30 - 14.50 Networking Coffee break  
14.50 - 15.10  
Dr. Jean De Barry, IHDig SAS Strasbourg, France  
"IHDig: development of a diagnostic test  
to test early stage for Alzheimer's disease"  
15.10 - 15.30  
Prof. Anne Eckert,  
Psychiatric University Clinics, Basel, Switzerland  
"Targeting mitochondria"  
15.30 - 15.50  
Prof. Dr. Hans Jürgen Volkmer,  
Head of Dept. Molecular Biology, RMI Natural  
and Medical Sciences, Tübingen, Germany  
"Genome-wide siRNA screens for biomarker  
and drug target discovery in CNS diseases"

More info and registration  
contact [www.alsace-biovalley.com](http://www.alsace-biovalley.com)  
or [www.neurex.org](http://www.neurex.org)

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





Newsletter

Website

[www.neurex.org](http://www.neurex.org)

**neurex**  
PROGRESSIVE NEURODEGENERATIVE DISEASES

Keywords...

2004-AA-40    .....    Login    Create my account ?

HOME ABOUT NEUREX EVENTS FUNDING RESEARCH EDUCATION JOB/INTERNSHIP MARKET FORMATIONS POUR PRATICIENS

### UPCOMING EVENTS AND NEWS

**CONFERENCE ON COGNITIVE NEUROPSYCHIATRY: SELF DISORDERS IN SCHIZOPHRENIA**  
PUBLICATION DATE : 2016/01/21

This 11th conference will take place in March 29-31, 2016 in Strasbourg.

[Read more...](#)

**MEETING "CIRCADIAN CLOCKS AND METABOLIC HEALTH – FROM BASIC SCIENCE TO CLINICAL IMPLICATIONS"**  
PUBLICATION DATE : 2016/01/20

This meeting will take place in June 23rd-24th (noon), 2016 in Strasbourg.

[Read more...](#)

**BAW, SEMAINE DU CERVEAU, WOCHE DES GEHIRNS**  
PUBLICATION DATE : 2016/01/18

### NEWSLETTER

View all newsletters →

Download the latest Newsletter 29

### CALENDAR

View all events →

Mar 2016

M	T	W	T	F	S	S
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

**RSS**



# Outreach & Public Events

Brain Awareness Week

Woche des Gehirns

Semaine du cerveau



Joint Neurex and ENSN Public event

## Meditation and the plastic brain

Friday, 10<sup>th</sup> June 2011  
at 18.15



Location:

Pharmazentrum  
of the University of Basel  
Klingelbergstrasse 50,  
CH-4056 Basel

Moderator:

Dr Andreas Roepstorff,  
Center of Functionally Integrative  
Neuroscience and Dept of Social  
Anthropology, University of Aarhus, DK

Speakers:

Dr Joshua Grant,  
Max-Planck-Institut für Kognitions-  
und Neurowissenschaften, Leipzig, DE

Dr Sara Lazar,  
Psychiatric Neuroscience,  
Massachusetts General Hospital, Harvard, US

Dr Peter Widmer,  
Zen Zentrum Basel, CH

The speakers will give short introductions  
into their current research and will then dis-  
cuss jointly about the interaction of medita-  
tion with the structure and function of the  
brain. Questions as on how higher spiritual  
states are reflected in the brain and their  
repercussions on the individual self will be  
addressed.

Organizers:

Corrado Michel, Ben Kuylenstierna, Michael Rose, Giovanni Frazzetta,  
Chengyang Michel, Nicole Schwenn-Wiemann, Caitlin Donnan,  
Pascale Piguet, Stephanie Kipfler, Dominique Soudant.

Contact:

[www.neurex.org](http://www.neurex.org)  
[ensn@lse.ac.uk](mailto:ensn@lse.ac.uk)

Partners: European Commission (ERDF), Program Interreg IV Upper Rhine "Overcome  
borders: project after project", Institut Fédératif des Neurosciences de Strasbourg,  
CNRS, INSERM, Université de Strasbourg, Région Alsace, Département du Bas-Rhin,  
Communauté Urbaine de Strasbourg, Bernstein Center for Computational Neuro-  
science Freiburg i. Br., Universität Basel, Kanton Basel-Stadt, Kanton Basel-Landschaft,  
Confédération Helvétique, ENSN "European Neuroscience and Society Network".

EUROPEAN  
SCIENCE  
FOUNDATION  
EUROPEAN SCIENCE ADVANCEMENT FOR EUROPE



neurex  
neuroscience upper rhine network



FASZINATION GEHIRN

Das alternative Klassenzimmer

EINE AKTION ZUR BRAIN AWARENESS WEEK 2016

Ist es möglich, Gedanken zu lesen? Welcher Bereich des Gehirns  
macht eigentlich was? Wie lässt sich ein Gehirn kneten und wie  
steuern Nervenzellen unsere Bewegung? An diesem Tag können  
Neurowissenschaftler an eure Schule um euch im Biologieunterricht der  
besonderen Art Wissenwertes über das Gehirn beizubringen.

Näheres erfahrt ihr unter: [www.bcf.uni-freiburg.de/events/20160314\\_BAW](http://www.bcf.uni-freiburg.de/events/20160314_BAW)

Nur am  
10. März 2016  
10-17 Uhr



Neuroscience at School

(16 March 2016, 10 am to 3 pm, different schools in and around Freiburg)



# International PhD Program

NeuroTime

Applications for the 4th Edition (2015-2019)  
are nOW CLOSED



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## A multicultural experience

During their PhD, students work in 2 or 3 cities of the consortium.

[READ MORE >](#)



### Visit

Centre de Neurochirurgie  
5 rue Blaise Pascal  
67084 Strasbourg Cedex  
France



### Call

T: +33 388 45 66 06  
F: +33 388 61 29 08



### Contact

ntadmin@unistra.fr



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Erasmus Mundus Project number: 520124-1-2011-1-FR-ERA Mundus-EPJD  
FPA: 2012-0026

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- Financial support to start-ups
- Support to junior teams (« welcome back » project)
- Support to publications

[illegible]

# Neurex

Support Program for Researchers  
Coming back of researchers

Neurex offers  
a financial support  
of 20.000 euros

Because neuroscience is also confronted with the phenomenon of "brain drain", Neurex has developed a program of support within the context of its project Tiffeneau. The objective is to encourage and support the research work performed by young teams in our academic laboratories.

Neurex offers a financial support of 20.000 euros (maximum amount) to young teams.

Applicants may apply within a delay of 2 years after they have been appointed in their current position in one of the research universities (Paris, Strasbourg, Montpellier). The financial support will be provided for the period of 12 months and not on cash. This may concern payment of equipment, but not of salaries.

Please log on [www.neurex.org](http://www.neurex.org) and fill out the e-form (on-line applications only)

Further information:  
[neurex@neurex.org](mailto:neurex@neurex.org)  
(Christie Piguet / Stephanie Kipke)



Neurex is a European Commission (EC) program, offering young teams (Neurex teams) a grant of up to 20.000 euros to support their research work. The program is managed by the French League of Academies of Sciences (Ligue Française des Académies des Sciences, LFAS) and the French League of Universities (Ligue Française des Universités, LFU). The program is open to researchers in the field of Neuroscience, who are currently working in one of the research universities (Paris, Strasbourg, Montpellier) and who are currently working in one of the research universities (Paris, Strasbourg, Montpellier). The program is open to researchers in the field of Neuroscience, who are currently working in one of the research universities (Paris, Strasbourg, Montpellier) and who are currently working in one of the research universities (Paris, Strasbourg, Montpellier).





[illegible]



# Joint Master in Neuroscience Basel-Freiburg-Strasbourg

2006 : 6 students  
2007 : 11 students  
2008 : 10 students  
2009 : 14 students  
2010 : 20 students  
2011 : 14 students  
2012 : 9 students  
2013 : 19 students  
2014: 15 students

**118 students**





Interreg V

2016-2018

3.200.000 €

Project *NeuroCampus*

**Focus on Teaching & Training** (from junior to senior students, including scientists and clinicians, public)

- Workshops & Meetings
- Controversy debates
- Meetings with industry
- Public events (in co-organization with local entities)
- Communication with media
- Workshops on clinical Trials
- Workshops about techniques
- Interdisciplinary workshops
- Lab tours
- Creation of a multimedia platform – multimedia teaching
- Training of Health Professionals



# Training of health professionals (neurologists, psychiatrists, ...)

RÉSEAU DE NEUROFORMATION

## LES HALLUCINATIONS

Formation à destination des professionnels de santé, notamment neurologues et psychiatres.

24 | 03 | 2014

Hôtel Mercure  
Palais des Congrès  
Strasbourg

### PROGRAMME

- 08.30-09.00 **Café d'accueil**
- 09.00-09.45 **Epidémiologie, phénoménologie et processus psychologiques des hallucinations**  
Frank Lenoir, Unité de psychopathologie cognitive, Université de Liège, Belgique
- 09.45-10.30 **L'électrophysiologie peut-elle distinguer le réel du rêve ?**  
Alain Destexhe, Unité de Neurosciences, Information & Complexité (UNIC), CNRS UPR 3293, Gif-sur-Yvette, France
- 10.30-11.00 **Pause café**
- 11.00-11.45 **Imagerie de capture hallucinatoire: méthodes, implications physiopathologiques et thérapeutiques**  
Renaud Jodry, Centre Universitaire de Recherche et d'Exploration (CURE), Pôle de Psychiatrie, Hôpital Fontenay, CHU de Lille, France
- 11.45-12.30 **Spécialisation hémisphérique et hallucinose**  
Claude Braun, Département de Psychologie, Université du Québec, Montréal, Canada
- 12.30-13.30 **Pause lunch**
- 13.30-14.00 **De la schizophrénie à l'entente de voix ?**  
Vincent Demassiet, Vice-président de l'association REV (Réseau français d'entente de voix), Paris, France
- 14.00-14.45 **Thérapies comportementales et cognitives des hallucinations**  
Jérôme Favard, Département de psychiatrie, Université de Lausanne, Suisse
- 14.45-15.30 **La TMS: une alternative thérapeutique ?**  
Joëlle Roussel, Imagerie Multimodale Intégrative en Santé, Icube, Strasbourg, France
- 15.30-16.00 **Pause café**
- 16.00-16.45 **Intérêt de la tDCS (transcranial direct stimulation) pour traiter et comprendre les hallucinations**  
Jérémy Brunelle, S44615 Schizophrénies Débutantes et Résistantes, Université Claude Bernard Lyon 1, France
- 16.45-17.30 **Microdélivrance 22q11.2, un modèle génétique pour le développement des hallucinations**  
Martin Dabonne, Faculté de psychologie et des sciences de l'éducation, Université de Genève, Suisse
- 17.30-18.15 **Substances psychotomimétiques & anomalies dans le traitement de l'information dans le système auditif**  
Peter Boyington, ex-FORENAP, Rouffach, France
- 18.15-18.30 **Table ronde**

Organisateur: Pascale Piquet  
Inscriptions: [www.neurox.org](http://www.neurox.org)  
Informations: [contact@neurox.org](mailto:contact@neurox.org)



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

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RÉSEAU DE NEUROFORMATION

RYTHMES ET PSYCHIATRIE

## ET PSY TOUT N'ÉTAIT QU'AFFAIRE DE RYTHMES ?

FORMATION  
INÉDITE  
Pour les Professionnels  
de Santé

13 | 11 | 2014

Hôtel Mercure  
Palais des Congrès  
Strasbourg

### Formation DPC

Organisateurs: Paul Pévet, Pascale Piquet et Stéphanie Klipfel

### PROGRAMME

- 09.00-09.15 **Introduction**
- 09.15-09.55 **Les rythmes au cœur de la vie**  
Paul Pévet, Strasbourg
- 09.55-10.35 **Étudier les rythmes chez l'homme: un challenge technique et clinique**  
Hubert Bourdin, Besançon
- 10.35-11.00 **Pause café**
- 11.00-11.40 **Troubles des rythmes circadiens et dépression: cause ou conséquence ?**  
Carmen Schroeder, Strasbourg
- 11.40-12.20 **Le DSM-V à travers les rythmes**  
Luc Stäner, Rouffach
- 12.20-14.00 **Pause lunch**
- 14.00-14.40 **Troubles anxieux: habitudes & rythmes de vie**  
Patrick Martin, Paris
- 14.40-15.20 **Schizophrénie et rythmes circadiens**  
Pierre Vidalik, Strasbourg
- 15.20-15.40 **Pause café**
- 15.40-16.20 **Diabète et Dépression: une association dans l'ère du temps ?**  
François Moreau, Strasbourg
- 16.20-17.00 **Les thérapies fondées sur les rythmes dans les troubles psychiatriques**  
Claude Grouffier, Lyon
- 17.00-17.30 **Synthèse et échanges/Débats**

Inscriptions et info:  
[www.reseau-neuro-formation.org](http://www.reseau-neuro-formation.org)

ou contacter Stéphanie Klipfel:  
[contact@reseau-neuro-formation.org](mailto:contact@reseau-neuro-formation.org)  
Tél. 03 90 40 05 05 ou 06 21 06 66 09



### OBJECTIFS DE LA FORMATION:

Historiquement connus pour leur implication dans l'alternance veille-sommeil, les **rythmes circadiens** se révèlent de plus en plus des acteurs-clés des grandes fonctions physiologiques humaines. Ainsi, des **déséquilibres** dans les rythmes jouent un rôle important dans la pathophysiologie des **troubles psychiatriques**, des maladies cardiovasculaires, du **diabète** ou du cancer et altèrent le fonctionnement des voies métaboliques. Cette formation fera un bilan des rythmes circadiens chez l'homme, s'intéressera aux liens entre leur dérégulation et les mécanismes sous-jacents à certains troubles psychiatriques tels que **dépression**, **anxiété** et **schizophrénie**, et envisagera la possibilité d'une **méthode thérapeutique basée sur les rythmes**. Elle soulignera l'importance d'une approche plus intégrée du bilan symptomatique des patients.



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

(pilot event)

Réseau de  
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# Web-conferences & multimedia (pilot event)



NEUREX MEETING

FIRST WEB-CONFERENCE  
ON TRANSLATIONAL IMAGING  
FOR PSYCHOPHARMACOLOGY

04|12|2014  
Kollegiensgebaude  
Room 114  
Basel

We are pleased to announce the **1<sup>st</sup> web-conference on Translational Imaging for Psychopharmacology** which will focus on MRI based methodology not only to understand the effect of psychotropic drugs on the brain of humans and animals, but also to help translational research. As the ultimate goal is to enhance drug design and development, representatives from the pharmaceutical industry will come to define the needs and share their experience with academics.

Although physically located at the University of Basel, the web-conferencing formula will also allow remote attendance to the conference. Beyond the sharing of knowledge, this conference seeks to gather the community interested in this subject. Accordingly, we invite all the researchers around the world to contact us and to attend for free. We will do our best to allow remote attendees to interact with the panel.

Organizer: Jack Faucher  
Registration and more info on [www.neurex.org](http://www.neurex.org)  
or contact: [Pascal.Piguet@unibas.ch](mailto:Pascal.Piguet@unibas.ch)

PROGRAM

09.00-09.15 Welcome address

**DEFINING THE NEEDS**

09.15-10.00 **Fabio Sambataro**, ROOHE, Basel, Switzerland  
**Needs and expectations in translational pharmacological imaging**

**HUMAN PHARMACOLOGICAL MRI**

10.00-10.45 **Mitul Mehta**, Institute of Psychiatry, London, United Kingdom  
**Human pharmacological imaging: approaches, pitfalls and utility**

10.45-11.15 Coffee break

11.15-12.00 **Joop van Gerven**, Centre for Human Drug Research, Leiden, Netherlands  
**Pharmacology of resting state imaging in human**

12.00-12.30 **Jack Faucher**, Icube laboratory, Strasbourg, France  
**A resting state ASL-BOLD study of methylphenidate**

12.30-13.30 Lunch Break

**ANIMAL PHARMACOLOGICAL MRI**

13.30-14.00 **Markus von Kienlin**, ROOHE, Basel, Switzerland  
**Reference System of fMRI Activation Patterns induced by Psychoactive Treatments in Rat**

14.00-14.30 **Alessandro Gozzi**, Istituto Italiano di Tecnologia, Rovereto, Italy  
**Functional and pharmacological MRI of the mouse brain**

14.30-15.15 **François Dauphin**, EA 4269, Caen, France  
**Central effects of the modulation of 5-HT<sub>6</sub> receptors: a Pharmacological MRI study**

15.15-15.45 Coffee Break

**TRANSLATIONAL PERSPECTIVES**

15.45-16.45 **Lino Becerra**, PAIN group, Boston, United States of America  
**Translational imaging for pain pharmacology**

16.45-17.30 **Round table**  
Defining the needs, technological bottleneck, pitfalls and perspectives in the field. Provisional guidelines on the paradigm and imaging techniques.



# Improve Interactions between Neuroscience Study Programs in the Region

**Joint Master in Neuroscience**  
BASEL-STRASSBOURG-FREIBURG

[Back to main page](#)

**Training program**  
**Admission & eligibility**  
**JMN start**  
**Laboratories**  
**Student life**

**What is the Joint Master in Neuroscience ?**

University of Strasbourg (France), together with its partners from the Universities of Basel (Switzerland) and Freiburg/Heidelberg (Germany), offers an international training in neuroscience for english-speaking students who wish to obtain a degree in this field.

The teaching program is regularly updated and takes into account the expertise of the three partners in their respective research domains, such as cellular and integrative neuroscience, neurogenetics or computational neuroscience.

The selected students will receive a two-year training that includes high level academic courses and extensive laboratory practice. The positioning of this Joint Master in Neuroscience within a trinational network of more than 1000 neuroscientists working in both public and private institutions provides an excellent basis for training in fundamental and applied neuroscience.

The Joint Master in Neuroscience is supported by

**Apply (HERE)**  
The JMNS application is best viewed with Internet Explorer or Mozilla Firefox. Safari, Google Chrome are NOT supported (however the OS).

**General information**  
Who are the JMNS students ?  
Scientists & Life Sciences Faculty  
EUS  
Useful links  
International office  
Scientific Meetings and activities  
MARCH 2015  
Intern. Symposium National Réseau de Recherche sur le Douleur 2015  
French National Pain Symposium 2015  
Neuron, UCLAS and ODE Meeting "Molecular Neurobiology" 2014

**Awards**  
JMNS is awarded the IDEX award for Endogenous Innovation (2013-2016)

**UNI FREIBURG**

**Master of Science in Neuroscience**  
Albert-Ludwigs-Universität Freiburg

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**BRAINS WANTED**

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**MASTER OF SCIENCE IN NEUROSCIENCE**

**UNRAVELING THE SECRETS OF THE BRAIN**



**NEUROSCIENCE PhD OPPORTUNITIES**  
**in Basel, Switzerland.**

**TOPICS**

- ▶ Neuronal circuits and behaviour
- ▶ Mechanisms of neuronal development
- ▶ Plasticity and learning
- ▶ Mechanisms of brain disease

**INSTITUTES**

- ▶ Biozentrum, University of Basel
- ▶ Department of Biomedicine, University of Basel
- ▶ Friedrich Miescher Institute for Biomedical Research

neuro@unibas.ch | www.neuronetwork.unibas.ch





Thank you for your attention!

