

II Simpósio da PGNeuro-UFRN
Neuronal circuits – From molecules to oscillations
10-13 November 2012, Tibau do Sul, RN, Brazil

10/Nov

19:00-22:00: Speakers Reception/Dinner

11/Nov

Opening Lecture

10:30-11:30 – Roger Traub, IBM

Principal cell gap junctions and very fast oscillations - physiological and pathological.

Special Lecture

11:30 – 12:15 – Fiona LeBeau, Newcastle University

TBA

12:15 – 14:00 – Lunch Break

Session 1

14:00 – 14:30 – Klas Kullander, Uppsala University

Genes and cells orchestrating spinal locomotion

14:30 – 15:00 – Boris Lamotte D’Incamps, Université Paris Descartes

How to slow down synaptic current at a central cholinergic synapse

15:00 – 15:30 – Patrick Whelan, University of Calgary

TBA

15:30 – 16:00 – Ernesto Restrepo, Uppsala University

Excitatory and inhibitory balance by midline fiber crossing as an explanation for the abnormal hopping phenotype in EphA4 knockout mice.

16:00 – 16:30 – Mark Masino, University of Minnesota

The conserved dopaminergic diencephalospinal tract mediates vertebrate locomotor development in zebrafish larvae

16:30 – 16:45 – Coffee Break

Special Lecture

16:45-17:45: Peter Stern, Senior Editor, Science Magazine

TBA

12/Nov

Plenary Lecture

9:00 – 10:00 – Sidarta Ribeiro, Brain Institute, UFRN

Mechanisms of sleep-dependent plasticity

10:00 – 10:15 – Coffee Break

Session 2

10:15 – 10:45 – Kerstin Schmidt, Brain Institute, UFRN

TBA

10:45 – 11:15 - Ralf Galuske, Technische Universität Darmstadt

TBA

11:15 – 11:45 – Sergio Neuenschwander, Brain Institute, UFRN

TBA

11:45 – 12:15 – Miguel Castelo-Branco, University of Coimbra

The role of gamma band activity in holistic perception in health and disease

12:15 – 14:00 – Lunch Break

Session 3

14:00 – 14:30 – João Bacelo, Friedrich Miescher Institute for Biomedical Research

TBA

14:30 – 15:00 – Jesper Ryge, École Polytechnique Fédérale de Lausanne

TBA

15:00 – 15:30 – Dráulio Barros de Araújo, Brain Institute, UFRN

TBA

15:30 – 16:00 – Leslie Loew, University of Connecticut, USA

Voltage Sensitive Dyes: Chemistry, Physics and Application to Electrical Signaling in Dendritic Spines

16:00 – 16:15 – Coffee Break

Special Lecture 1

16:15 – 17:00 – Thomas Knöpfel, Riken Institute

TBA

Special Lecture 2

17:00 – 17:45 – Maarten Kole, Netherlands Institute for Neuroscience

Tuning the axon with myelin and m-current

13/Nov

Special Lecture

09:00 – 10:00 – Hans Reiner Polder, NPI Electronic

Towards "digital anatomy": Amplifiers for juxtacellular and multiunit recordings in freely moving animals

10:00 – 10:15 – Coffee Break

Session 4

10:15 – 10:45 – Adriano Tort, Brain Institute, UFRN

Theta-associated high-frequency oscillations

10:45 – 11:15 – Jurij Brankack, University of Heidelberg

Cross-frequency coupling in the frontal cortex of freely moving mice

11:15 – 11:45 – Richardson Leão, Brain Institute, UFRN

CA1 OLM cells modulate and generate theta oscillations in the hippocampus

11:45 – 12:15 – Claudio Queiroz, Brain Institute, UFRN

TBA

12:15 – 12:45 – Juan Mena-Segovia, University of Oxford

TBA

12:45 – 14:30 – Lunch Break

Session 5

14:30 – 17:30 – Student Presentations (10+5 min each)

17:30 – 17:45 – Coffee Break

Plenary Lecture

17:45 – 18:45 – Andreas Draguhn, Heidelberg University

Who are my friends? How single neurons integrate into co-active assemblies

Inscrições/Contato: simposio@neuro.ufrn.br

<http://www.neuro.ufrn.br/IIsimposiogneuro/>

Local do evento:

Resort Eurosol Tibau

<http://www.eurosol.pt/hoteis/hotel-eurosol-tibau-pipa-resort/>