Max Planck International Neuroscience Symposium Synapses and Circuits
September 3-4, 2015
Buenos Aires, Argentina

Preliminary Program

Thursday September 3rd

9:00-9:15 OPENING

9:15-13:00 CIRCUIT PROCESSING I
Chairs: Ma. Fernanda Ceriani and Juana Pasquini

9:15 Manfred Gahr, Max Planck Institute for Ornithology, Seewiesen, Germany.
TBA

10:00 Ana Amador, Physics Dept., Univ. Buenos Aires and IFIBA-CONICET, Argentina.
Low dimensional models to study neural circuits for motor control in songbirds.

10:30 BREAK

11:00 Fernando Locatelli, IFIBYNE, Buenos Aires, Argentina.
Experience-dependent representation of odor mixtures in the honey bee antennal lobe.

11:30 Rafael Cantera, Instituto Clemente Estable, Montevideo, Uruguay.
Synaptic circuitry of identified neurons in the antennal lobe of Drosophila melanogaster.

Ion Channels that regulate circadian behavior and clock neuron physiology in Drosophila melanogaster

12:45 LUNCH

14:30-17:00 STRUCTURE, DEVELOPMENT AND FUNCTION OF THE SYNAPSE
Chairs: Francisco Barrantes and Luis Barbeito

14:30 Ryohei Yasuda, Max Planck Florida Institute for Neuroscience. Florida, USA.
Illuminating signal transduction in single dendritic spines.

Nedd8 conjugation role of Nedd8 conjugation in spine maturation and stability

15:45 BREAK

16:15 Hiroaki Taniguchi, Max Planck Florida Institute for Neuroscience. Florida, USA.
Genetic dissection of cortical interneuron subtypes.

Friday September 4th

9:30-12:30 NEURAL DEVELOPMENT
Chairs: Fernanda Ledda and Fernando Pitossi

9:30 Rüdiger Klein, Max Planck Institute of Neurobiology, Martinsried, Germany.
The molecular logic of axon guidance.

Spatio-temporal specification of neuronal fates.

10:45 BREAK

11:15 Alfredo Cáceres, Instituto Ferreira, Córdoba, Argentina.
Regulation of dendritic Golgi outposts formation.

11:45 McLean Bolton, Max Planck Florida Institute for Neuroscience. Florida, USA.
TBA

12:30 LUNCH

14:30-18:15 CIRCUIT PROCESSING II
Chairs: Alejandro Schinder and Osvaldo Uchitel

14:30 David Fitzpatrick, Max Planck Florida Institute for Neuroscience. Florida, USA.
Visualizing cortical maps with cellular and synaptic resolution.

Excitation/inhibition dynamics in the dentate gyrus during adult neurogenesis.

15:45 BREAK

16:15 Gilles Laurent, Max Planck Institute for Brain Research, Frankfurt, Germany.
Information Processing and Dynamics in a Simple Cortex.

17:00 Emilio Kropff, Fundación Instituto Leloir, Buenos Aires, Argentina.
The missing link: speed cells in the Medial Entorhinal Cortex and path integration.

17:30 Jason Kerr, Max Planck Institute for Biological Cybernetics, Tubingen, Germany.
Imaging activity in the freely moving animal: From the eye to the cortex.

LOCATION: AUDITORIUM POLO CIENTIFICO TECNOLOGICO, BUENOS AIRES

Additional information available at:

Organizers
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