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.
Hormone-dependent plasticity of the song and song control system of birds.

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 antenal lobe.

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

12:15 Nara Muraro, IBioBA-CONICET-MPSP, Buenos Aires, Argentina.
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.

15:15 Damian Refojo, IBioBA-CONICET-MPSP, Buenos Aires, Argentina.
Nedding Neddylation: role of Nedd8 conjugation in spine maturation and stability

15:45 BREAK

16:15 Hiroki 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.

10:15 Guillermo Lanuza, Fundación Instituto Leloir, Buenos Aires, Argentina.
Spatio-temporal specification of neuronal fates.

10:45 BREAK

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

11:45 McLean Bolton, Max Planck Florida Institute for Neuroscience. Florida, USA.
Generalized fear in NLGN3R451C mouse model of autism.

12:30 LUNCH

114:30-18:15 CIRCUIT PROCESSING I I
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.

15:15 Antonia Marin-Burgin, IBioBA-CONICET-MPSP, Buenos Aires, Argentina.
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:
http://www.ibioba-conicet.gob.ar/mpi_neuroscience_symposium2015.html

Organizers

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MAX-PLANCK-GESELLSCHAFT

MAX PLANCK FLORIDA INSTITUTE FOR NEUROSCIENCE

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