SYMPOSIUM "NEW ADVANCES IN INTEGRATIVE NEUROSCIENCE AND CARDIORESPIRATORY (PATHO)PHYSIOLOGY"

Venue: Institute of Biomedical Science, Building 1, room 321) - São Paulo.
Date: July 31st - Aug 1st, 2014

PROGRAMME

THURSDAY: 07/31/2014

Morning

• 8:30 - 9:30: Denis Burdakov (King’s Collge of London, UK): Optogenetic probing of hypothalamic control of integrative physiology
• 9:30 - 10:30: Song Yao (Howard Florey Institute, Au): The blood-brain barrier and central cardiovascular regulation
• 11:00 - 11:15: Izabela M. Ramos Ribeiro (Institute of Biomedical Science/USP): Central action of insulin regulating the hepatic vagus nerve activity and glucose production.
• 11:15 - 11:30: Talita Melo Silva (Institute of Biomedical Science/USP): Acute hypoxia activates hypothalamic paraventricular nucleus-projecting catecholaminergic neurons in the C1 region.
• 11:30 - 11:45: Hildebrando C. Ferreira Neto (Institute of Biomedical Science/USP): Hyperosmotic stimulation elicits a purinergic-glutamatergic coupling in PVN presympathetic neurons

Afternoon

• 1:30 - 2:30: Vsevolod Polotsky (Johns Hopkins Medical School, USA): Pathogenesis of metabolic complications of obstructive sleep apnea.
• 2:30 - 3:30: Christopher O'Donnell (University of Pittsburgh, USA): Leptin deficiency leads to respiratory depression.
• 4:00 - 4:15: Janaína Ferreira (InCor/USP): Would breathing be a good instrument to control blood pressure?
• 4:15 - 4:30: Vivien Picin (InCor/USP): Insights about upper airway patency while awake and asleep using neck electrical impedance tomography in humans.
• 4:30 - 4:45: Rafaela Garcia (InCor/USP): The impact of nasal and oral breathing on the patency of the upper airways during continuous positive airway pressure application

FRIDAY: 08/01/2014

Morning
• 8:30 - 9:30: Jack Feldman (UCLA, USA): Neural control of Breathing and the pre-Botzinger complex
• 9:30 - 10:30: John Peever (University of Toronto, Ca): Mechanisms of Breathing Plasticity
• 11:00 - 11:15: George M. P. R. Souza: (School of Medicine of Ribeirão Preto/USP): Sympathetic overactivity in female rats exposed to chronic intermittent hypoxia correlates with the inspiratory phase of the respiratory cycle
• 11:30 - 11:45: Werner I. Furuya (FOAr/UNESP): Effects of nicotine microinjections in the commissural nucleus of the solitary tract on sympathetic and respiratory activities.

Afternoon
• 1:30 - 2:30: George Richerson (University of Iowa, USA): Different theories of chemoreception.
• 2:30 - 2:45: Elisa Maioqui-Fonseca (FCAV/UNESP): Catecholaminergic (CA) neurons modulate hypercapnic and hypoxic ventilatory response in newborn rats (P7-8).
• 3:00 às 5:00: POSTER SESSION.