



I INTERNATIONAL SYMPOSIUM IN NEUROSCIENCE

December, 04 - 06, 2013
Pici Campus - Universidade Federal do Ceará
Fortaleza - Ceará - Brazil

SCIENTIFIC PROGRAM

December, 4th (Wednesday)

9:00 – 9:30h Opening remarks

UFC Vice-Rector: Henry Campus

UFC Research Dean: Gil de Aquino Farias

Faculty of Medicine director: José Luciano Bezerra Moreira

Institute of Biomedicine coordinator: Aldo A.M. Lima

Head of the Morphology Department: Ariel Scafuri

Head of the Physiology and Pharmacology Department: Armenio Aguiar

Coordinator of the Morphology PhD program (UFC/UFRJ): Gerly A.C. Brito

Symposium coordinator: Reinaldo B. Oriá

Cerebral plasticity

Chair Person: Reinaldo B. Oriá

9:30 – 10:20h- Romulo Antonio Fuentes Flores (Natal Edmond and Lily Safra International Neuroscience Institute) – Potential circuit mechanisms underlying cortical neuromodulation by spinal cord stimulation.

10:20h: Coffee break

Chair Person: Aldo A. Lima (Institute of Biomedicine coordinator)

10:30–11:20h-João Malva (Institute for Biomedical Imaging and Life Sciences, IBILI, Faculty of Medicine, University of Coimbra, Portugal)– Chemical modulation of neural stem cells towards different phenotypes - a tool for brain repair?

11:20-12:00-Reinaldo B. Oriá (Laboratory of Tissue Healing, Ontogeny and Nutrition, UFC)– Apolipoprotein E polymorphisms in Brazilian children with heavy burden of diarrhea and consequences for later development.

12h00-Lunch break.

Signaling in the Central Nervous System

Chair Person: Rodrigo Cunha (Neuroscience Center, University of Coimbra, Portugal)

14h00 -14h50- Maria Teresa Miras Portugal (Department of biochemistry and molecular biology of the Universidad Complutense de Madrid)–Purinergic signaling: from normal behavior to pathological brain function.

14:50-15:30- João Malva (Institute for Biomedical Imaging and Life Sciences, IBILI, Faculty of Medicine, University of Coimbra, Portugal). Neuropeptide Y - a multifaceted peptide in the brain.

15:30-16:00-Coffee break

Chair Person: Geanne Andrade, Medical Sciences PhD program coordinator.

16h00-16:50- Rodrigo Cunha (Neuroscience Center, University of Coimbra, Portugal): Adenosine receptors and brain diseases: neuroprotection and neurodegeneration.

16:50-17:20- Lisiane Porciúncula (Federal University of Rio Grande do Sul): Caffeine, trophic factors and neuroprotection.



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December, 5th (Thursday)

Traumatic Brain Injury and rehabilitation

Chair person: Paulo Leitão (UFC) (Coordinator of the PhD program in Surgery)

9:00 – 9:50h Kenneth Norwood (Director of the TBI clinic, Kluge Children's Rehabilitation Center, University of Virginia. Chairman of the American Academy of Pediatrics Council on Children with Disabilities). Traumatic brain injury in children and adolescents.

9:50 – 10:40h—Lúcia Willadino Braga (Sarah Kubistchek Hospital Network)- Traumatic brain Injury and neurorehabilitation.

10:40-11h00-Coffee break

11h00-11h50- José Arnaldo Mota Arruda (Walter Cantidio University Hospital, Federal University of Ceara)- Neurosurgery following traumatic brain injury.

11h50-Discussion

Lunch break

Circadian rhythm and sleep disorders

Chair Person: Veralice Bruin (UFC).

14:00 – 14:50h- Mônica Andersen (Federal University of Sao Paulo)-Short sleep duration and obesity: mechanisms and future perspectives.

14:50 – 15:20h- John Fontenele Araújo (Federal University of Rio Grande do Noret)- Circadian rhythm and memory.

15:20-15:50-Coffee break

Chair Person:

15:50–16:40h-Lia Bittencourt (Federal University of Sao Paulo)- Oxidative stress and quality of life in obstructive sleep apnea syndrome in elderly patients.

16:40-17:00- Veralice Bruin (Federal University of Ceara) – Sleep disorders and neurodegenerative diseases.

December, 6th (Friday)

Neurodegenerative and vascular diseases

Chair Person: Otoni Cardoso/Geanne Andrade

9:00 – 9:50h Geanne Andrade- Experimental models in Parkinson disease and neuroprotection with anti-oxidative compounds.

9:50 – 10:40h –Coffee break

Chair Person: Reinaldo B. Oriá

10:40-11h10- Ludmila Belayev (Neuroscience Center of Excellence, Louisiana State University)- Experimental models of ischemia and brain reperfusion. Implications for drug discovery.

11h10-12:00 Bradley B. Miller (Eli Lilly Neuroscience Institute) Hallmark and advances in Alzheimer's disease diagnostics and treatment.

12:00 –12:30h. Natanael Santos (Federal University of Paraiba) and Roberto Lent (Federal University of Rio de Janeiro)-Challenges in Neuroscience Research in Brazil. Integration and Future perspectives.

Closing remarks: Reinaldo B. Oriá and Geanne Andrade.