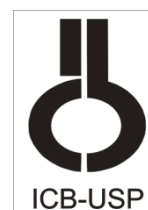




Departamento de
**FISIOLOGIA
E BIOFÍSICA**



ICB-USP

VI THEMATIC SYMPOSIUM “NEW FRONTIERS IN APPLIED PHYSIOLOGY”

Anfiteatro Rosa – Institute of Biomedical Sciences IV

University of São Paulo

December, 10-12, 2012

PROGRAM

December, 10

08h45 Welcome and opening

Ubiratan Fabres Machado

Head Dept. of Physiology and Biophysics, ICB/USP

SESSION I

Chairperson Dra. Maria Tereza Nunes, ICB/USP

09h00 Estrogen receptors and the metabolic network

Dr. Rodrigo P. Barros

Research Assistant Professor

Center for Nuclear Receptors and Cell Signaling, University of Houston, TX, USA

09h45 17beta-estradiol signaling and regulation of Sertoli cell function

Dra. Catarina Segreti Porto

Associate Professor

Section of Experimental Endocrinology; Department of Pharmacology; Federal University of São Paulo

10h30 Interval

Chairperson Dr. José Cipolla Neto, ICB/USP

11h00 Melatonin: Protecting the Brain from Age-related Deterioration

Dr. Russel J. Reiter

Ph.D., Dr.h.c.mult.

Department of Cellular & Structural Biology, The UT Health Science Center

11h45 Discussion

12h15 Lunch

SESSION II

Chairperson Dr. José Donato Jr., ICB/USP

13h45 Brain-mediated controls of energy and glucose homeostasis

Dr. Roberto Coppari

University Geneva, Genebra, Suíça

14h30 The complexity of the energetic balance control: role of the bombesin-like peptides

Dra. Carmen Cabanelas Pazos de Moura
Associate Professor, Federal University of Rio de Janeiro

15h15 Interval

Chairperson Dr. Luiz Roberto G. Britto, ICB/USP

15h45 Early life experience alters behavioral and neuroendocrine responses

Dr. Aldo Bolten Lucion
Associate Professor, Department of Physiology, Institute of Basic Medical Sciences,
Federal University of Rio Grande do Sul

16h30 Recovery from brain damage: how plastic is the CNS?

Dr. Fernando Cendes
School of Medicine, Department of Neurology, UNICAMP

17h15 Discussion

18h00 Closing remarks

December, 11

SESSION III

Chairperson Dra. Nancy Amaral Rebouças, ICB/USP

08h30 Terapia celular para reparação cardíaca pós-isquêmica: proteção tecidual & substituição de cardiomiócitos

Dr. José Eduardo Krieger
Incor, HC-FMUSP

09h15 Sensory biology: chloride and potassium channels in hearing, touch, and olfaction

Dr. Thomas Jentsch
Leibniz-Institut fuer Molekulare Pharmakologie, Max-Delbrück Centrum für Molekulare
Medizen, Berlin

10h00 Interval

10h30 Renal cyst growth is the main determinant for hypertension and concentrating deficit in *Pkd1*-deficient mice

Dr. Luiz Fernando Onuchic,
School of Medicine, University of São Paulo, SP

Chairperson Dr. Fernando Abdulkader, ICB/USP

11h15 Regulation of hormone secretion from human pancreatic islets

Dr. Matthias Braun
Univ. Alberta, Edmonton, Canadá

12h00 Discussion

12h30 Lunch

SESSION IV

Chairperson Dr.Thiago dos Santos Moreira, ICB/USP

14h30 Insight long-term neural control of arterial pressure by chronic baroreflex activation

Dr. Thomas Lohmeier

Department of Physiology, University of Mississippi Medical Center, US

15h15 Stem Cells and Immunomodulation in Cardiovascular Diseases

Dr. Valdo Dias da Silva

Full Professor of Physiology, Department of Biological Sciences, Federal University of Triângulo Mineiro, Brazil

16h00 Interval

Chairperson Dra. Luciana Venturini Rossoni, ICB/USP

16h30 Obstructive Sleep Apnea and Cardiovascular diseases

Dr. Geraldo Lorenzi-Filho

Disciplina de Pneumologia, InCor, HC-FMUSP

18h00 Discussion

December, 12

SESSION V

09h00 Workshops: Challenges in Physiology

Simultaneous sessions to be defined according different areas.

10h00 Interval

10h30 Poster Session

12h30 Closing Ceremony

Dr. Rui Curi

Director of the Institute of Biomedical Sciences, USP

13h00 Lunch

14h30 Visit to the laboratories of Physiology Department ICB/USP