



STRATEGIC WORKSHOP PROGRAM
Rhythms of Life:
Perspectives for Physiological Sciences in the 21st Century



Thursday - August 25th, 2016

Brasiliiana Library - Auditorium István Jancsó

University of São Paulo

- 8:30-8:40: Opening ceremony by Vagner R. Antunes (USP) and Thiago S. Moreira (USP)
- 8:40-9:00: Gerhard Malnic (USP): Meritocracy in the physiological science
- 9:00-9:20: Denis Noble (Oxford University - UK): The landscape of physiology in the 21st century
- 9:20-9:40: Katshuhiko Mikoshiba (Japan). Application of genetically encoded indicators to mammalian Central Nervous System.
- 9:40-10:00: Cecília Hidalgo (Chile): Age-related dysregulation of calcium signaling
- 10:00-10:20: Coffee Break
- 10:20-10:40: Peter Bie (Denmark): Role of the kidney in the pathogenesis of hypertension: time for a neo-Guytonian paradigm or a paradigm shift?
- 10:40-11:00: Walter Boron (USA): Physiological CO₂ exchange can depend on membrane channels
- 11:00-11:20: René Bindels (Netherlands): Step stones towards the molecular understanding of renal magnesium handling
- 11:20-11:40: Alicia Mattiazzi (Argentina): Role of Calcium sequestration by the sarcoplasmic reticulum in CaMKII -induced arrhythmias and cardiac damage
- 11:40-12:00: Ludmila Filaretova (Russia): Gastroprotective role of glucocorticoids during NSAID-induced gastropathy
- 12:00-2:00: Lunch

- 2:00-2:20: Eduardo M. Krieger (InCor/USP): The Perspective of Physiology is better than ever
- 2:20-2:40: Penny Moody-Corbett (Canada): Physiology, Integrity and Ethics.
- 2:40-3:00: Robert Carrol (USA): Preparing all students to be “professionals”.
- 3:00-3:20: Tobias Wang (Danmark): Darwinian Medicine: a new role of comparative physiology in the 21st century.
- 3:20-3:40: Coffee Break
- 3:40-4:00: Jens Rettig (Germany): Molecular versus Integrative Physiology: which one is better?
- 4:00-4:20: Patrícia Molina (USA): Physiology: from a translational team science perspective.
- 4:20-4:40: Ken O’Halloran (UK): The health of physiology - a perspective
- 4:40-5:20: Panel about the perspectives for the physiology in Brazil on the 21st century. Vagner R. Antunes (USP), Lisete Michelini (USP), Maria José Campagnole-Santos (UFMG) and Aldo Lucion (UFRGS).
- 5:20-5:50: New Challenges for the physiologists: Presentation and approval of a document (Letter of São Paulo) coordinated by Benedito H. Machado (USP) and Thiago S. Moreira (USP), which will be sent to all members of the Brazilian Society of Physiology (SBFis) and also to academic and scientific institutions in Brazil.
- 5:50-6:00: Closing remarks