

# IBNS 2010 Sardinia, Italy



## PRESIDENTIAL SATELLITE SYMPOSIUM

# In Search of Effective Animal Models in Behavioral Neuroscience



***Organizers: Robert Gerlai & Kelly Lambert***

***IBNS Annual Conference, Tanka Village Resort, Sardinia Italy  
Tuesday, June 8<sup>th</sup>, 2010, 8:30 am – 1:00 pm***

*Immediate-past and current IBNS presidents (Gerlai and Lambert, respectively) have invited six highly recognized leaders in the field of behavioral neuroscience to join them in a pre-meeting Presidential Satellite. The focus of the Satellite is the use of animal models in translational research. The topics have been chosen to span a broad range of brain disorders and behavioral dysfunctions (from stress and anxiety to drug abuse and sleep) as well as behavioral neuroscience techniques (from psychopharmacology to molecular and developmental genetics). The talks (please see next page) are organized around two very different model organisms: rodents and zebrafish. The Presidential Satellite Symposium is open to all participants of the IBNS Annual Conference.*

*Please register for the Satellite by e-mailing Kelly Lambert at [klambert@rmc.edu](mailto:klambert@rmc.edu). Registration is free, however, we would like to encourage the participants to give a \$30 donation. The donation will be applied towards the IBNS Student Travel Award Fund and will support the participation of students in future conferences of our Society. You may enter this donation via the IBNS webpage at <http://www.ibnshomepage.org/IBNSPaymentPage.asp> (please bring a receipt for our records) or on site. Seats are limited for this event so please email ASAP to reserve a seat—you should receive a confirmation email within 48 hours.*

## In Search of Effective Animal Models in Behavioral Neuroscience



# PRESIDENTIAL SATELLITE SYMPOSIUM

### *Program*

**Session I: Coping with stress: Assessing adaptive and maladaptive responses in rodent models**

**8:30 – 8:35** Introduction by Kelly Lambert

**8:35 - 9: 05** **Prehistoric Prozac: Examining the neurobiological constituents of adaptive coping strategies and effort-driven reward training in Long-Evans rats.** Kelly Lambert, Dept of Psychology, Randolph-Macon College

**9:05 – 9:35** **Prenatal social stress and programmed hypersensitivity to stress in adult offspring: gender-specific modulation by neuroactive steroids in the rat.** John Russell, College of Medicine and Veterinary Medicine, University of Edinburgh

**9:35 - 10:05** **Coping with social stress: Neurobiology of behavioral responses to social defeat.** Kim Huhman, Neuroscience Institute, Georgia State University

**10:05 – 10:35** **Stress revisited: a critical evaluation of the stress concept**

Jaap M. Koolhaas, Behavioral Physiology, University Groningen, The Netherlands

BREAK (15 minutes)

**Session II: From motor function to emotion: Zebrafish, a new tool for Behavioral Neuroscience,**

**10:50 – 10:55** Introduction by Robert Gerlai

**10:55 – 11:25** **Genetics of neural circuit formation in zebrafish.** Michael Granato, Department of Cell and Developmental Biology, University of Pennsylvania, Philadelphia, PA.

**11:25 – 11:55** **The circadian clock and responses to psychostimulants.** Irina V. Zhdanova, Dept. Anatomy and Neurobiology, Boston University Medical School, and Harvard Medical School, Boston, MA.

**11:55 – 12:25** **Genes, neurotransmitters and behavior: Strain comparison with a focus on alcoholism.** Robert Gerlai, Department of Psychology, University of Toronto, Mississauga, Ontario, Canada.

**12:25 – 12:55** **Deciphering Genetic and Cellular Networks Controlling Emotion-related Behavioral Responses in Zebrafish** Su Guo, Department of Biopharmaceutical Sciences Univ California - San Francisco