

IBNS 2013



R E L A N D



**IBNS 22nd Annual Meeting
June 25-30, 2013
Grand Hotel, Malahide
County Dublin, Ireland**

The major goal of the International Behavioral Neuroscience Society's (IBNS) annual meeting is to bring together scientists whose interests are in the broad area of understanding the neural control of behavior.

CALL FOR ABSTRACTS:

The IBNS Program Committee is soliciting abstracts for oral and poster presentations. Abstracts may be prepared on any subject related to the general area of behavioral neuroscience. Both members and nonmembers may submit abstracts. **Abstract deadline: February 11, 2013.** The program will include plenary lectures, oral communications, and poster sessions. In addition to the special symposia the Program Committee plans to include several student events (including Meet the Professionals luncheon) and a Bench-to-Bedside Talk.

KEYNOTE SPEAKERS:

John F. Cryan, University College Cork, Ireland
Mind-altering microbes: Role of gut microbiota on brain and behavior

Jaap M. Koolhaas, University of Groningen, The Netherlands
The violent rat brain

PRESIDENTIAL ADDRESS:

D. Caroline Blanchard, University of Hawaii, Honolulu, HI, USA
The joy of a good model: Autism, heparan sulfate, and the BTBR mouse

Please visit our website for additional program information.
<http://www.ibnshomepage.org/annualmtg13.htm>

SPECIAL SYMPOSIA:

NICOTINE REINFORCEMENT & DEPENDENCE: NEUROADAPTATIONS IN STOP & GO SIGNALS. Chair: Nicholas W. Gilpin
Andrew Tapper. *The role of the interpeduncular nucleus in nicotine withdrawal*
Paul Kenny. *Habenular signaling in nicotine reinforcement*
Olivier George. *Identification of CRF neurons in the VTA that control the aversive effects of nicotine withdrawal*
Nicholas W. Gilpin. *Nicotine vapor escalates nicotine self-administration & alters nAChR profiles*

THE ENDOCRINE DISRUPTING COMPOUNDS: WHAT THEY ARE, WHERE THEY ARE AND HOW THEY CHANGE BEHAVIOR.
Chair: Emilie Rissman

Emilie Rissman. *Transgenerational actions of bisphenol A and phthalates on behavior*
Andrea Gore. *Endocrine disruption of hormones, brain and behavior by prenatal PCB exposures*
Cheryl Rosenthal. *Effects of endocrine disruptors on sexually selected behavioral traits*
Vance Trudeau. *Actions of endocrine disrupting compounds on behavior of fishes.*
Charles Tyler. *Endocrine disrupting chemicals, fertility, reproduction, and glowing fish models*

CONTRIBUTION OF EARLY ENVIRONMENTAL AND GENETIC SUSCEPTIBILITY TO BEHAVIOUR RELATED TO ADULT PSYCHOPATHOLOGY. Chairs: Mikhail Pletnikov; John Waddington

Francesca Cirulli. *Searching for early determinants of emotional reactivity and neuroendocrine responses to stress in animal models: from mice to non-human primates*
Kiyofumi Yamada. *Brain dysfunction induced by chronic stress in early life: involvement of the stress-sensitive transcription factor Npas4*
Colm O'Tuathaigh. *Gene-environment interplay across the lifespan: investigating etiopathological processes in schizophrenia using mutant models of gene disruption*
Mikhail Pletnikov. *Interaction of mutant DISC1 with environmental adversities: shared and unique mechanisms*

LOST IN TRANSLATION: IMPROVING THE PREDICTIVE VALIDITY OF ANIMAL MODELS FOR CNS DISORDERS. Chair: David McKinzie

Gerard Marek. *Leveraging 60 Years of Monoamine Antipsychotic Experience: Reducing Clinical Phase II Failures for New Schizophrenia Medications.*
Sophie Dix. *Getting Smarter about Developing Drugs to Treat Cognitive Deficits in CNS Disorders: A Targeting of Cognitive Domains Approach.*
Jeff Witkin. *Moving Beyond Current Behavioral Antidepressant Animal Models: Back Translation of Recent Clinical Findings to the Bench.*
Daniel Smith. *Autism Spectrum Disorders: Drug Development Challenges When Animal Models are Scarce.*

REVISITING THE ROLE OF MEDIAL SEPTAL NEURONS IN LEARNING AND MEMORY. Chair: Kevin Pang

Kevin Pang. *Impairment of working memory following damage of GABAergic medial septal neurons: What is impaired and what is the mechanism?*
Jean-Christophe Cassell. *Septohippocampal GABAergic neurons and consolidation of spatial memories*
Alex Easton. *Cholinergic and noncholinergic functions of the hippocampus in episodic memory.*
Jennifer Bizon. *Cholinergic and noncholinergic alterations in aging and their consequences on cognition.*

BROKEN CLOCKS, INFLAMMATORY OVERLOAD, AND SOCIAL PRESSURES: MODELING STRESSORS OF THE MODERN WORLD AND THEIR EFFECTS ON BRAIN AND BEHAVIOR. Chair: Iliia Karatsoreos

Iliia Karatsoreos. *Clocks interrupted: Effects of sleep and circadian disruption on neural plasticity and behavior*
Thomas Connor. *Neuroimmune mechanisms underlying stressor-induced immune dysfunction: Implications for disease susceptibility*
Inga Neumann. *Oxytocin, chronic stress, and the social environment*
Bruce McEwen. *Good stress, bad stress, and the effects on neural and behavioral function*

A TRANSLATIONAL PERSPECTIVE ON THE NEURAL CIRCUITRY OF LEARNING AND DECISION MAKING VIA POSITIVE AND NEGATIVE FEEDBACK. Chairs: Jonathan Brigman, Jared W. Young

Jared W. Young. *Dopaminergic influence of learning via positive and negative feedback*
Randy Gallistel. *The representation of time, probability and uncertainty by mice*
Leonie de Visser. *Prefrontal regulation of decision-making in a rat analogue of the Iowa Gambling Task*
Jonathan Brigman. *Updating expectation: Orbitofrontal cortex and flexible behavior*

IMPULSIVITY, COMPULSIVITY, AND ADDICTION. Chairs: Heather N. Richardson; Trevor W. Robbins

Serge Ahmed. *Prefrontal cortex inhibitory control of cocaine craving - implications for relapse prevention*
Paul Kenny. *Molecular mechanisms underlying compulsivity in addiction*
Charlotte Boettiger. *Adolescence, alcohol, and impulsive choice*
Trevor Robbins. *The intersection between impulsivity and compulsivity*

MOLECULAR AND CELLULAR ENDOPHENOTYPES IN NEUROPSYCHIATRIC DISEASE: HOMER PROTEINS. Chairs: Karen K. Szumlanski; Tod E. Kippin

Andrea de Bartolomeis. *Dopamine-glutamate interaction, antipsychotics and Homer*
Karen K. Szumlanski. *Homer2: a molecular trigger for alcoholism?*
Ilona Obara. *Homer as a regulator of pain sensitivity and heroin reward*
Tod E. Kippin. *Role of Homer2 in regulation of adult neurogenesis: Implications for corticolimbic striatal function*