



**IBNS 2020 Accepted Symposia**

**Neuroscience of Maternal Mental Illness.** Chair: Jodi Pawluski. Speakers: Eلسeline Hoekzema, Benedetta Leuner, Joseph Lonstein, Jodi Pawluski.

**Using Stress-Enhanced Fear Learning to Reveal Associative and Nonassociative Consequences of Traumatic Stress.** Chairs: Michael Drew; Susan Sangha. Speakers: Abha Rajbhandari, Moriel Zelikowsky, Andrew Poulos, Michael Drew.

**Contributions of the Cingulate-Retrospenial Cortical Axis to Learning and Memory Consolidation.** Chairs: Nicole Ferrara; Janine Kwapis. Speakers: Nicole Ferrara, Aaron Jasnow, Sydney Trask, Janine Kwapis.

**Clinical and Experimental Assessment of Behaviors Associated with Dementia: Challenges and Solutions.** Chairs: Farida Sohrabji; Gregory Bix. Speakers: Terry Quinn, Marion Buckwalter, Jerome Badaut, Aditya Panta, Masafumi Ihara.

**Behavioral Neuroscience of Zebrafish.** Chairs: Allan Kalueff; Matthew Parker. Speakers: Allan Kalueff, Caroline Brennan, Matthew Parker, William Norton.

**Neuromodulation: Mechanisms and Novel Targets in Neuropsychiatric Disorders.** Chairs: Lee Wei Lim; Shawn Tan. Speakers: Lee Wei Lim, Arjan Blokland, Shawn Tan, Luca Aquili.

**Origins of Sex Differences in Behavior: The Unusual Suspects.** Chairs: Debra Bangasser; Georgia Hodes. Speakers: Marianne Seney, A.J. Robison, Georgia Hodes, Debra Bangasser.

**Neural Systems Regulating Responses to Stress, Threat, and Safety.** Chairs: Ryan LaLumiere; Heidi Meyer. Speakers: Jason Radley, Michael Baratta, Susan Sangha, Heidi Meyer.

**Maximising Large Datasets in Understanding Endophenotypes for Cognitive and Psychiatric Disorders.** Chairs: Daniel Smith; Donald Lyall. Speakers: Joey Ward, Daniel Smith, Rachana Tank, Donald Lyall.

**Transcranial Laser Stimulation in Behavioral Neuroscience: Animal and Human Studies.** Chairs: Francisco Gonzalez-Lima; Celeste Saucedo. Speakers: Francisco Gonzalez-Lima, Nelida Maria Conejo-Jimenez, Hector Gonzalez-Pardo, Celeste Saucedo.

**A New Perspective on the Role of the Insular Cortex in Cognition and Behavior Based on Pre-Clinical Research.** Chairs: John Christianson; Anna Beyeler. Speakers: Yoav Livneh, Nadine Gogolla, John Christianson, Anna Beyeler.

**Dopamine Beyond Reward: Aversion, Threat, and Avoidance.** Chairs: Munir Gunes Kutlu; Suzanne Nolan. Speakers: Munir Gunes Kutlu, Mitsuko Watabe-Uchida, Erik Oleson, Joe Cheer, Mary Kay Lobo.

**Reproducibility in Animal Models of Neuropsychiatric Diseases.** Chairs: Haim Einat; Jared Young. Speakers: Urs Meyer, Karen Szumlinski, Nirit Kara, Haim Einat.

**Memory and Plasticity in Development and Maturation - Periods of Vulnerability and Opportunity.** Chair: Jee Hyun Kim. Speakers: Paul Frankland, Judy Sng, Yvonne Nolan, Jee Hyun Kim.

**The Role of Neuroinflammation and Memory in Neuroplasticity Changes Underlying Addiction.** Chairs: Selena Bartlett; Arnauld Belmer. Speakers: T.J. De Vries, Luc Maroteaux, Arnauld Belmer, Asheeta Prasad, Esther Visser, Selena Bartlett.

**Exploring the Transgenerational Consequences of Drugs of Abuse Using Rodent Models.** Chair: Bryan Kolb. Speakers: Gregg E. Homanics, Fair M. Vassoler, Serena Jenkins, Allonna Harker.

**Glial Control of Neuronal Plasticity and Behavior.** Chairs: Pavel Ortinski; Jill Turner. Speakers: Kathryn Reissner, Jill Turner, Annalisa Scimemi, Pavel Ortinski.

**The Role of the Nucleus Accumbens in Motivated Behaviors.** Chairs: Satoshi Hikemoto; Claudio Da Cunha. Speakers: Satoshi Ikemoto, Rainer Schwarting, Mercedes Vega Villar, Claudio Da Cunha.

**MicroRNAs: Small Regulators of Complex Behavioral Processes.** Chair: Özge Sungur. Speakers: Alon Chen, Cecilia Flores, Katharina Gapp, Gerhard Schratt, Özge Sungur.

**The Role of the Environment on the Penetrance of Neuro Developmental Disorders.** Chairs: Lorenzo More; Lucia Privitera. Speakers: Victorio Bambini-Junior, Carmem Gottfried, Lucia Privitera, Lorenzo More.

**Group Behavior Analysis in Animal Models of Human Conditions.** Chair: Ksenia Meyza. Speakers: J. Douglas Armstrong, Kevin Ike, Alexander Mathis, Nozomi Endo, Ksenia Meyza.

**Hormone-Mediated Neuroplasticity Across Behaviors.** Chairs: Laura Been; Liisa Galea. Speakers: Erica Glasper, Laura Been, Liisa Galea, Paul Sheppard.

**Reward Seeking vs Addiction: Exploring the Phenotypes of Substance Use Disorder Using Rodent Models.** Chairs: Christina Perry; Andrew Lawrence. Speakers: Bianca Jupp, Christina Perry, Nathan Marchant, Morgan James.

**What's Under the Kilt?... Encoding of Reward, Aversion, and Expectation in Heterogeneous Midbrain Dopamine Networks.** Chair: Peter Vento. Speakers: Geoffrey Schoenbaum, Peter Vento, Erin Calipari, Sarah Swinford-Jackson.

**New Directions in Modelling Dysregulated Reward Seeking.** Chairs: Robyn Brown; Morgan James. Speakers: Robyn Brown, Morgan James, Rachel Smith, Chris Dayas.

**Developmental Origin of Neurocognitive Behavioral Disorders in Adolescence and Adults.** Chair: Shameena Bake. Speakers: Elizabeth Byrnes, Shameena Bake, Joanne Weinberg, Sumikawa Katumi, Amanda Kentner.

**The Rodent Medial Prefrontal Cortex and Associated Circuits in Behavior Under Variable Demands.** Chair: John Howland. Speakers: Nadia Chaudhri, Rutsuko Ito, John Howland, Christopher Lapish.

**The Cognitive Basis of Drug Relapse: Neural Circuitry Underlying Extinction and Reinstatement of Reward-Seeking Behavior.** Chairs: Steven Simmons; Amelia Eisch. Speakers: Steven Simmons, Ryan LaLumiere, Najmeh Katebi, Suzanne Nolan.

**Memory and Eating: A Bidirectional Relationship Implicated in Obesity.** Chair: Marise Parent. Speakers: Suzanne Higgs, Marise Parent, Scott Kanoski, Lucy Cheke.

**Prefrontocortical Circuit Dynamics and Plasticity During the Critical Period and Risk for Psycho-Affective Disorders.** Chair: Francis R. Bambico. Speakers: Anthony Hannan, Gabriella Gobbi, Francis R. Bambico, Tiziana Rubino.

**Translation Across the Lifespan: Genetic and Environmental Risk Models for Complex Disease.** Chairs: Jill L. Silverman; Jonathan L. Brigman. Speakers: Stacey J. Sukoff Rizzo, Kristen D. Onos, Jonathan L. Brigman, Pamela J. Lein.

**Hypertensive Related Changes in the Aging Brain: Cognition, Pathology and Blood Vessels.** Chair: Tara L. Moore. Speakers: Atticus H. Hainsworth, Tom Van Agtmael, Tara L. Moore, Douglas L. Rosene.

**Translation of Apathy-Like Behaviour, from Humans to Animals.** Chairs: Gernot Riedel; Lianne Strachan (Robinson). Speakers: Eline Dreesen, Richard Brown, John Salamone, Claire Lansdall, Masud Husain, Krista Lanctot.

**Consequences of Cancer and Cancer Treatment on the Brain and Behaviour.** Chairs: Stephen Kent; Adam Walker. Speakers: Haryana Dhillon, Leah Pyter, Stephen Kent, Adam Walker.

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