



IBNS 2018 *ACCEPTED Symposia:*

To be presented during the 27th IBNS Annual Meeting in Boca Raton, Florida, USA.
June 27-July 2, 2018.

Neural circuit mechanisms of mouse behavior. Chair: Yi Zuo, University of California, Santa Cruz. Co-Chair: Ju Lu, University of California, Santa Cruz. Speakers: Yi Zuo, University of California, Santa Cruz; Philippe Mourrain, Stanford University School of Medicine; Hongdian Yang, University of California, Riverside; Ju Lu, University of California, Santa Cruz.

Environment and the epigenome: How experience contributes to psychiatric illness. Chair: Zackary A. Cope, University of California, San Diego. Co-Chair: Jared W. Young, University of California, San Diego. Speakers: Tallie Z. Baram, University of California, Irvine; Zackary A. Cope, University of California, San Diego; Fair Vassoler, Tufts University Cummings School of Veterinary Medicine; Francesca Telese, University of California, San Diego.

Mechanisms underlying memory consolidation and retrieval. Chair: Ryan LaLumiere, University of Iowa. Co-Chair: Janine Kwapis, University of California, Irvine. Speakers: Ryan LaLumiere, University of Iowa; Janine Kwapis, University of California, Irvine; Patrizia Campolongo, Sapienza University of Rome; Cristina Alberini, New York University.

Social transmission of information in mammals: Key insights from rodents and non-human primates. Chair: Aleksandra Vicentic, National Institute of Mental Health. Co-Chair: Anthony Noel Burgos-Robles, Massachusetts Institute of Technology. Speakers: Marie Monfils, University of Texas, Austin; Anthony Noel Burgos-Robles, Massachusetts Institute of Technology; Alexei Morozov, Virginia Tech Carilion School of Medicine; Katalin Gothard, University of Arizona.

Cingulate cortex: The who, what and how of cognitive control. Chair: Jill McGaughy, University of New Hampshire Durham, NH USA. Co-Chair: Emmanuel Procyk, Stem Cell and Brain Research Institute, University of Lyon, Lyon, France. Speakers: Jill McGaughy, University of New Hampshire Durham, NH USA; James Hyman, University of Nevada Las Vegas, Las Vegas, NV, USA; Emmanuel Procyk, Stem Cell and Brain Research Institute, University of Lyon, Lyon, France; Jerome Sallet, University of Oxford, Oxford, U.K.

Corticotropin-releasing factor (CRF) modulation of cognition and motivation. Chair: Sofiya Hupalo, University of Wisconsin, Madison. Co-Chair: Stan Floresco, University of British Columbia. Speakers: Rita Valentino, National Institute on Drug Abuse; Stan Floresco, University of British Columbia; Debra Bangasser, Temple University; Sofiya Hupalo, University of Wisconsin, Madison.

Factors influencing replicability of behavioral neuroscience studies. Chair: Polymnia Georgiou, University of Maryland School of Medicine. Co-Chair: Todd D. Gould, University of Maryland School of Medicine. Speakers: Jonathan Flint, Brain Research Institute, University of California Los Angeles; Abraham Palmer, University of California San Diego; Elissa J. Chesler, The Jackson Laboratory; Polymnia Georgiou, University of Maryland School of Medicine.

Abnormal cortical asymmetry as a target for neuromodulation in neuropsychiatric disorders. Chair: Randy Beck, Institute of Functional Neuroscience, Perth, Australia. Co-Chair: Rohit Shankar, University of Exeter Medical School, Exeter, United Kingdom. Speakers: Richard Laugharne, University of Exeter Medical School, Exeter, UK; Randy Beck, Institute of Functional Neuroscience, Perth, Australia; Michael Beck, Institute of Functional Neuroscience; Rohit Shankar, University of Exeter Medical School, Exeter, UK.

Using genetic mouse models to understand the synapse in cognition and disease. Chair: Elizabeth Manning, University of Pittsburgh. Co-Chair: Jess Nithianantharajah, The Florey Institute of Neuroscience and Mental Health. Speakers: Jess Nithianantharajah, The Florey Institute of Neuroscience and Mental Health; Jill Silverman, MIND Institute, UC Davis School of Medicine; Elizabeth Manning, University of Pittsburgh; Jonathan L. Brigman, University of New Mexico HSC.

Reactivation-induced memory destabilization: A gateway to memory change with significant therapeutic implications. Chair: Boyer Winters, University of Guelph. Speakers: Almut Hupbach, Lehigh University; Emma Cahill, University of Cambridge; Marc Exton-McGuinness, University of Birmingham; Boyer Winters, University of Guelph.

Developmental and experiential factors influencing alcohol's effects on the brain. Chair: Cheryl McCormick, Brock University. Speakers: Craig Bailey, University of Guelph; Nicole Cameron, Binghamton University; Marina Marcolin, Brock University; Robert Gerlai, University of Toronto.

Using schedules of partial reinforcement to test uncertainty effects in a learning diathesis model of anxiety vulnerability. Chair: Todd Allen, University of Northern Colorado. Co-Chair: Justin Handy, Syracuse VA Medical Center. Speakers: Todd Allen, University of Northern Colorado; Justin Handy, Syracuse VA Medical Center; Daniel Miller, Carthage College; Richard Servatius, Syracuse VA Medical Center.

Convergent mechanisms underlying rapid antidepressant behavioral actions. Chair: Panos Zanos, University of Maryland, School of Medicine. Co-Chair: Todd D. Gould, University of Maryland, School of Medicine. Speakers: Panos Zanos, University of Maryland, School of Medicine; Eric Wohleb, University of Cincinnati; Pradeep Banerjee, Allergan Inc.; Stephanie Dulawa, University of California San Diego.

Neurobiology of cannabinoid type 2 receptors. Chair: Hiroki Ishiguro, University of Yamanashi. Co-Chair: Emmanuel Onaivi, William Paterson University. Speakers: Hiroki Ishiguro, University of Yamanashi; Ana Canseco-Alba, William Paterson University; Branden Sanabria, William Paterson University; Emmanuel Onaivi, William Paterson University.

Associative brain mechanisms underlying adaptive and maladaptive behavior. Chair: Donna Calu, University of Maryland School of Medicine. Speakers: Donna Calu, University of Maryland School of Medicine; Mihaela Iordanova, Concordia University; Jamie Peters, Medical University of South Carolina; Hector Bravo, University of Puerto Rico School of Medicine.

What doesn't kill you makes you stronger! Exploring the biobehavioral mechanisms underlying resilience and adaptation to early-life adversity. Chair: Susanne Brummelte, Wayne State University. Co-Chair: Amanda Kentner, MCPHS University. Speakers: Tania L. Roth, University of Delaware; Anand Gururajan, University College Cork; Amanda Kentner, MCPHS University; Susanne Brummelte, Wayne State University.

Social neuroscience in rodents: Neural foundations and clinical implications. Chair: Markus Wöhr, Philipps-University of Marburg. Co-Chair: Jill L. Silverman, University of California Davis. Speakers: Markus Wöhr, Philipps-University of Marburg; Heather Read, University of Connecticut at Storrs; Marijn Van Wingerden, Heinrich-Heine-University Düsseldorf; Luann Tonelli, Philipps University of Marburg.

Inflammation in psychiatric disorders: What we know and what is next. Chair: Atsushi Kamiya, Johns Hopkins University School of Medicine. Co-Chair: Juliet Richetto, University of Zürich. Speakers: Georgia Hodes, Virginia Polytechnic Institute and State University; Atsushi Kamiya, Johns Hopkins University School of Medicine; Juliet Richetto, University of Zurich; Mikhail Pletnikov, Johns Hopkins University School of Medicine.

The end of chronic stress, or is it? Chair: Cheryl Conrad, Arizona State University. Speakers: J. Bryce Ortiz, University of Arizona; Kelly Moench, Indiana University; Jason Gray, The Rockefeller University; Chiye Aoki, New York University.

Social environmental and genetic factors contributing to increased vulnerability to drug addiction. Chair: Giovanni Biggio, University of Cagliari, Italy. Co-Chair: Enrico Sanna, University of Cagliari, Italy. Speakers: Roberto Ciccocioppo, University of Camerino, Italy; Jean Lud Cadet, NIH/NIDA IRP, USA; Giuseppe Talani, Inst Neuroscience, CNR, Italy.

Nicotinic cholinergic signaling in neurological and psychiatric disorders: Insights from mouse models. Chair: Vinay Parikh, Temple University, Philadelphia. Co-Chair: Jared W. Young, University of California at San Diego. Speakers: Evelyn Lambe, University of Toronto; Kelly T. Dineley, University of Texas Medical Branch; University of California at San Diego; Vinay Parikh, Temple University, Philadelphia.

The new kid on the block: Astrocytes in behavior and cognition. Chair: Mikhail V. Pletnikov, Johns Hopkins University School of Medicine. Co-Chair: Kathryn J. Reissner, University of North Carolina at Chapel Hill. Speakers: Baljit S. Khakh, University of California, Los Angeles; Kathryn J. Reissner, University of North Carolina at Chapel Hill; Kiyofumi Yamada, Nagoya University Graduate School of Medicine; Chantelle Terrillion, Johns Hopkins University School of Medicine.

Regulating fear memories. Chair: Susan Sangha, Purdue University. Co-Chair: Maria Diehl, University of Puerto Rico. Speakers: Michael Drew, University of Texas, Austin; Maria Diehl, University of Puerto Rico; Susan Sangha, Purdue University; Hadley Bergstrom, Vassar College.

Optimizing brain performance: Identifying mechanisms of adaptive neurobiological plasticity. Chair: Kelly Lambert, University of Richmond. Speakers: Kelly Lambert, University of Richmond; Gerd Kempermann, German Center for Neurodegenerative Diseases (DZNE); Amelia Eisch, University of Pennsylvania, Perelman School of Medicine/CHOP of Philadelphia; Michael Merzenich, Posit Science.

Disruptions of parental experiences: Neurobiological and behavioral effects in parental responsiveness and offspring development. Chair: Molly Kent, University of Richmond. Speakers: Molly Kent, University of Richmond; Alison Bell, University of Illinois Urbana Champaign; Erica Gasper, University of Maryland; Elizabeth Byrnes, Tufts University.

Invertebrate models of natural and drug-sensitive reward. Chair: Moira van Staaden, Bowling Green State University. Co-Chair: Robert Huber, Bowling Green State University. Speakers: Jens Heberholz, University of Maryland, College Park; Bessie Orfanakos, University of South Carolina School of Medicine; Robert Huber, Bowling Green State University.

Sensory processing and integration in neurodevelopmental disorders. Chair: Susanne Schmid, University of Western Ontario. Co-Chair: Kaela tho, University of Western Ontario. Speakers: Mark Wallace, Vanderbilt University; Brian Allman, University of Western Ontario; Gul Dolen, Johns Hopkins University; Andreas Frick, University of Bordeaux.