

The Sixth Annual BHI Virtual Symposium

Thurs Nov 19 & Fri Nov 20, 2020

Thurs Nov 19, 2020 Zoom link: <https://rutgers.zoom.us/j/95188428981?pwd=Zm9GcmZrUkhUVWdxeVBKMmNjVTVoZz09>

Meeting ID: 951 8842 8981; Passcode: bhi2020

Date & Time	Speaker	Title of Talk
Thurs, Nov 19 (11.30 AM – 12.45 PM)	Gary Aston-Jones, PhD <i>Director BHI Distinguished Professor of Psychiatry, RWJMS, RBHS Charlotte and Murray Strongwater Chair in Neuroscience & Brain Health</i>	<i>Welcome, BHI Overview & Town Hall To Discuss BHI Five Year Review</i>
Thurs, Nov 19 (1.00 PM – 1.20 PM)	Wayne Fisher, PhD <i>Director RUCARES Professor of Pediatrics, RWJMS, RBHS Henry Rutgers Endowed Chair BHI Core Faculty</i>	<i>Integrating Research And Practice In The Assessment And Treatment Of Autism Spectrum Disorders</i>
Thurs, Nov 19 (1.25 PM – 1.45 PM)	Cathleen Piazza, PhD <i>Director Pediatric Feeding Disorders Program at CSH Professor of Psychology, GSAPP, Rutgers-New Brunswick BHI Core Faculty</i>	<i>Integrating Research And Practice: An Intervention For Change-Resistant Behavior In Children With Autism As An Exemplar</i>
Thurs, Nov 19 (1.50 PM – 2.10 PM)	Miriam Rosenberg-Lee, PhD <i>Assistant Professor of Psychology, SASN, Rutgers-Newark</i>	<i>The Neural Basis Of Cognitive Strengths In Autism</i>
Thurs, Nov 19 (2.15 PM – 2.30 PM)	Zoom Break	Zoom Break
Thurs, Nov 19 (2.30 PM – 2.50 PM)	Emanuel DiCicco-Bloom, MD <i>Professor of Neuroscience & Cell Biology, RWJMS & CHINJ, RBHS</i>	<i>Defects In mTOR Signaling Mediate Common Neurite And Cell Migration Defects In Both Idiopathic And 16p11.2 Autism Neural Precursor Cells</i>
Thurs, Nov 19 (2.55 PM – 3.15 PM)	Steven Levison, PhD <i>Professor of Pharmacology, Physiology & Neuroscience, NJMS, RBHS, Director, Laboratory For Regenerative Neurobiology</i>	<i>Modeling The Effects Of Prenatal Infections On Neural Development And Behavior</i>
Thurs, Nov 19 (3.20 PM – 3.40 PM)	Mladen Roko Rašin, MD, PhD <i>Associate Professor of Neuroscience & Cell Biology, RWJMS, RBHS</i>	<i>Making Sense Of mRNA Landscapes: Translation Control In Neurodevelopment</i>

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Thurs, Nov 19 (3.45 PM – 4.05 PM)	Benjamin Samuels, PhD <i>Assistant Professor of Psychology, SAS, Rutgers-New Brunswick</i>	<i>Neural Circuits Mediating The Behavioral Effects Of Chronic Stress And Antidepressants In Male And Female Mice</i>
Thurs, Nov 19 (4.10 PM – 4.30 PM)	Ozlem Gunal, MD, PhD <i>Assistant Professor of Psychiatry, NJMS, RBHS</i>	<i>Cyfp1 Mediates Addiction Relevant Phenotypes In Mice</i>
Thurs, Nov 19 (4.35 PM – 4.55 PM)	Todd Mowery, PhD <i>Assistant Professor of Otolaryngology—Head and Neck Surgery, RWJMS, RBHS and BHI Core Faculty</i>	<i>Neural Mechanisms That Support Learning In Circuits With Significant Cellular Deficits</i>
Thurs, Nov 19, 5.00 PM	End of Symposium Day 1	<i>Virtual Cocktail Hour</i>

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Fri, Nov 20, 2020 Zoom link: <https://rutgers.zoom.us/j/92822180849?pwd=MnBjBgtJRXRqYiswOUUzZakY1OGoxQT09>

Meeting ID: 928 2218 0849; Passcode: bhi2020

Date & Time	Speaker	Title of Talk
Fri, Nov 20 (9.00 AM – 9.20 AM)	David H. Zald, PhD <i>Professor of Psychiatry, RWJMS, RBHS, Director CAHBIR, Henry Rutgers Term Chair, BHI Core Faculty</i>	<i>Neuroimaging Networks for Translational Neuroscience</i>
Fri, Nov 20 (9.25 AM – 9.45 AM)	Mauricio Delgado, PhD <i>Professor and Chair of Psychology SASN, Rutgers-Newark</i>	<i>Reward Processing in the Human Brain</i>
Fri, Nov 20 (9.50 AM – 10.10 AM)	Laleh Najafizadeh, PhD <i>Associate Professor of Electrical and Computer Engineering SOE, Rutgers-New Brunswick</i>	<i>Data-Driven Methods for Understanding the Dynamics of Brain Function</i>
Fri, Nov 20 (10.15 AM – 10.35 AM)	Rafiq Huda, PhD <i>Assistant Professor of Cell Biology & Neuroscience, SAS, Rutgers-New Brunswick</i>	<i>Coupling Of Prefrontal Cortical Activity To Arousal Predicts Alcohol Consumption</i>
Fri, Nov 20 (10.40 AM – 11.00 AM)	Zoom Break	Zoom Break
Fri, Nov 20 (11.05 AM – 11.25 AM)	Vanessa Routh, PhD <i>Professor of Pharmacology, Physiology and Neuroscience, NJMS, RBHS</i>	<i>Hypothalamic Glucose Sensing Neurons: Multiple Functions, One Goal</i>
Fri, Nov 20 (11.30 AM – 11.50 AM)	Ying-Xian Pan, MD, PhD <i>Professor of Anesthesiology, NJMS, RBHS BHI Core Faculty</i>	<i>Biased Signaling At Multiple Mu Opioid Receptors Generated By Alternative Splicing Of OPRM1 Gene</i>
Fri, Nov 20 (12 Noon – 1.00 PM) Keynote Speaker	Stan B. Floresco, PhD <i>Professor of Psychology and Director of Neural Circuits and Cognition Laboratory, University of British Columbia, Vancouver, Canada.</i>	<i>Prefrontal-Subcortical Circuits Underlying Risk/Reward Decision Making</i>

Break for Virtual Lunch till 2 PM

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Meeting ID: 928 2218 0849; Passcode: bhi2020

Date & Time	Speaker	Title of Talk
Fri, Nov 20 (2.00 PM – 2.20 PM)	Radek Dobrowolski, PhD <i>Associate Professor of Biological Sciences, SASN, Rutgers-Newark</i>	<i>Impaired Nuclear Calcium Signaling Attenuates CREB-Mediated Neuronal Clearance in Alzheimer's Disease</i>
Fri, Nov 20 (2.25 PM – 2.45 PM)	Hyung Jin Ahn, PhD <i>Assistant Professor of Pharmacology, Physiology and Neuroscience, NJMS, RBHS, BHI Core Faculty</i>	<i>Fibrinogen As A Key Player For Cerebral Amyloid Angiopathy-Associated Vascular Pathology</i>
Fri, Nov 20 (2.50 PM – 3.10 PM)	Max Tischfield, PhD <i>Assistant Professor of Cell Biology and Neuroscience, SAS, Rutgers-New Brunswick and CHINJ</i>	<i>Brain Drain: Development Of Meningeal Lymphatic Networks And The Glymphatic System In Craniofacial Disorders</i>
Fri, Nov 20 (3.15 PM – 3.35 PM)	Stella Elkabes, PhD <i>Professor of Neurosurgery, NJMS, RBHS</i>	<i>Modulation Of Immune And Non-Immune Functions Of Astrocytes Following Spinal Cord Injury: Role Of Toll-Like Receptor 9</i>
Fri, Nov 20 (3.45 PM – 5.30 PM)	Student/Post-doc Poster Session	<i>Live Presentation in Zoom Breakout Rooms</i>

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Student & Post-doc Presentation

Fri Nov 20, 2020 (3.45 PM- 5.30 PM)

Fri, Nov 20, 2020 Zoom link: <https://rutgers.zoom.us/j/97237587543?pwd=TmJnL0dLRzVLWDJOM01PTIQ0TU9jUT09>

Meeting ID: 972 3758 7543; Passcode: bhi2020

Name of Presenter	Title of Presentation	Presentation & Judge Time	Mentor(s)
Alessandro Bortolami	<i>Differences between the KCNB1 machinery complex and its KCNB1-R312H mutant found in epilepsy</i>	3.45-3.55	Federico Sesti
Anna Schneider	<i>Does neuromodulation result in reduction of circuit variability at the single cell level?</i>	4.00-4.10	Farzan Nadim
Dina Popova	<i>Functional impact of KCNJ6 variants on alcohol use disorder phenotypes in iPSC-derived human neurons</i>	4.15-4.25	Ron Hart
Elena Forzisi	<i>MAPK -mediated proapoptotic signaling by K⁺ channel integrin complexes</i>	4.30-4.40	Federico Sesti
Jackie Saenz	<i>Synaptojanin1 regulates Dopamine transporter trafficking via the PIP2/PI3K pathway</i>	4.45-4.55	Pingyue Pan
Jiyai Zheng	<i>Alcohol exposure induces depressive- and anxiety-like behaviors and neuroinflammation in the habenular nucleus of rats</i>	5.00-5.10	Jiang-Hong Ye
Joshua Stamos	<i>Manipulation of glucose concentration in Lateral Hypothalamus affects motivation for sucrose pellets in a task dependent fashion</i>	5.15-5.25	Kevin Beck
Julianne Price	<i>From Neurocardiac Signaling to Cognitive Recovery: A randomized clinical trial in women receiving outpatient treatment for alcohol and substance use disorders</i>	3.45-3.55	Marsha Bates & Jennifer Buckman
Kaushanie Fernandopulle	<i>Orexin drives motivation for palatable food via actions at orexin-1 receptor on VTA dopamine neurons</i>	4.00-4.10	Morgan James
Kimberly Wiersielis	<i>Sex differences in cognitive processing and anxiety-like behavior after intermittent fasting in aged mice</i>	4.15-4.25	Troy Roepke

Madhuvika Murugan	<i>Adenosine kinase regulates status epilepticus induced neurogenesis</i>	4.30-4.40	Detlev Boison
Malte Gueth	<i>Evidence of human parahippocampal theta activity during goal-directed spatial navigation: A combined EEG-fMRI study</i>	4.45-4.55	Travis Baker
Marialaina Nissenbaum	<i>Maternal T-cell Activation and Postnatal Behavioral and Microglial Changes to Staphylococcal Enterotoxins</i>	5.00-5.10	Alexander Kusnecov
Matthew Rich	<i>DBS-like stimulation of the nucleus accumbens shell induces presynaptic depotentiation at inputs on D2DR- but not D1DR-containing MSNs</i>	5.15-5.25	R. Chris Pierce
Pamela Hirschberg	<i>Ventromedial hypothalamic (VMH) neuronal nitric oxide synthase (nNOS)- glucose inhibited (GI) neurons may mediate the effects of estrogen on brown adipose tissue thermogenesis and white adipose beiging</i>	3.45-3.55	Vanessa Routh
Rodrigo Pena	<i>Theta-band resonance in a neocortical circuit</i>	4.00-4.10	Horacio Rotstein
Ryan Staples	<i>Simulating multiple sources of surface alexia in a computational model of reading</i>	4.15-4.25	William Graves
Sean Smith	<i>Human Operant Evaluations of Treatment Relapse</i>	4.30-4.40	Brian Greer
Stephanie Garcia	<i>Role of ketohexokinase in fructose sensing in the brain</i>	4.45-4.55	Andrew Thomas & Vanessa Routh
Talia Planas--Fontánez	<i>The mGluR5 agonist CHPG enhances recovery in mice subjected to experimental autoimmune encephalomyelitis (EAE)</i>	5.00-5.10	Cheryl Dreyfus
Tho Lai	<i>Developmental Role of Adenosine Kinase in the Cerebellum</i>	5.15-5.25	Detlev Boison
Xinyi Li	<i>Obesity effects on sensory evoked locus coeruleus (LC) neural responses and morphine withdrawal in rats</i>	3.45-3.55	Nick Bello