

IBANGS NEWS Winter 2024: Issue 26



“The Skating Pond”, Currier and Ives, (1862). Wishing all a peaceful and enjoyable holiday season with good health, joy and success in the coming year. On behalf of all of us at IBANGS, we thank you for your continued support.

Highlights Annual Meeting Fiji

Plenary Lectures

- Presidential Speaker: Professor [Margaret M. McCarthy](#), University of Maryland School of Medicine
- Keynote Address: Professor [Barry Dickson](#), Queensland Brain Institute

Investigator Award Recipients

- Distinguished Investigator, [Hee-Sup Shin](#), MD & Ph.D, Director of the Center for Cognition and Sociality Institute for Basic Science
- Early Career Achievement, [Caroline Ménard](#), Ph.D., Université Laval

Symposia ([Organizers](#), [Speakers](#), [Descriptions](#))

- Moving the needle on eating disorders: novel neurogenetic and behavioral genetic insights.
- Mechanisms underlying individual variation in motivated behavior.
- RNA modifications: Implications for brain function and behavior.

- Molecular switches of addiction: Unraveling the role of RNA splicing in substance use disorders.
- Cross-species insights into the genetic and epigenetic mechanisms of early adversity

Data Blitz

- Includes the presenting author for all accepted abstracts

[Draft Program](#)

Important Dates

January 31st: [Abstracts](#) due (fee waived)

January 31st: [Travel Award](#) applications due

March 1st: [Meeting registration](#) deadline

Genetics Panel Discussion Untwisting the Ladder

The Genetics panel discussion was a combined effort of IBANGS and BGA intended to tackle the misunderstanding and misappropriation of Genetics research. The event was well attended (260 participants of various career stages) and informative.

Thank you to the organizers and panelists: Paul Meyer, Evan Giangrande, Marissa Ehringer, Gene Robinson, Amy Non, and Daphne Martschenko.

If you were unable to attend the panel discussion, the video replay is available upon request.. Please contact Paul Meyer for access: pmeyer@buffalo.edu

Resources and information shared by attendees with relevance to the panel discussion:

- Literature/Data
<https://ibangs.memberclicks.net/genetics-resources>
- Special issue of *Behavior Genetics* dedicated to the use and misuse of behavioral genetics research and also public outreach, communication, and ELSI issues. [call for submissions](#).
- Gordon Conference entitled [Genes, Behavior, and Society](#).

Member's Corner

Spotlight

Luana Martins de Carvalho, PhD.



“Luana is currently a Postdoctoral Research Fellow in the Department of Pharmacology and Toxicology at Virginia Commonwealth University. She came to the United States from Brazil in 2018 for an internship at the National Institute on Alcohol Abuse and Alcoholism (NIAAA) and decided to stay to develop her career in science. Her research focuses on how alcohol exposure and withdrawal alter RNA splicing in the brain, particularly through the activity of RNA-binding proteins such as PCBP1. In 2022, Luana was awarded the K99/R00 Pathway to Independence Award from NIAAA. She is excited to start her independent lab next fall, driven by her passion for uncovering the molecular mechanisms underlying psychiatric disorders and her strong commitment to promoting diversity and inclusion in science.”

Recent Publications



Camron Bryant, Northeastern Univ.

Seemiller LR, Goldberg LR, Sebastian A, Siegel SR, Praul C, Zeid D, Albert I, Beierle JA, **Bryant CD**, Gould TJ (2024). Alcohol and fear conditioning produce strain-specific changes in the dorsal hippocampal transcriptome of adolescent C57BL/6J and DBA/2J mice. ***Alcohol: Clinical and Experimental Research***, In press.

Wingfield KK, Misic T, Jain K, McDermott CS, Abney NM, Richardson KT, Rubman MB, Beierle JA, Miracle SA, Sandago EJ, Baskin BM, Borrelli KN, Yao EJ, Wachman EM, **Bryant CD**. “Identification of the ultrasonic vocalization profile during neonatal opioid withdrawal and a kappa opioid receptor component in female mice”. In press, ***Psychopharmacology***, September 30, 2024. Online ahead of print

Goldberg LR, Baskin BM, Adla Y, Beierle JA, Kelliher JC, Yao EJ, Kirkpatrick SL, Reed ER, Jenkins DF, Luong AM, Luttik KP, Scotellaro JA, Drescher TA, Crotts SB, Yazdani N, Ferris MT, Johnson WE, Mulligan MK, **Bryant CD (2024)**. Atp1a2 and Kcnj9 are candidate genes underlying oxycodone behavioral sensitivity and withdrawal in C57BL/6 substrains. **Accepted, *Genes, Brain and Behavior***; *bioRxiv*: <https://doi.org/10.1101/2024.04.16.589731>



Abe Palmer, UCSD

Brittany N. Kuhn, Nazzareno Cannella, Apurva S. Chitre, Khai-Minh H. Nguyen, Katarina Cohen*, Denghui Chen, Beverly Peng*, Kendra S. Ziegler*, Bonnie Lin*, Benjamin B. Johnson, Thiago Missfeldt Sanches, Ayteria D. Crow, Veronica Lunerti, Arkobrato Gupta, Eric Dereschewitz, Laura Soverchia, Jordan L. Hopkins, Analyse T. Roberts, Massimo Ubaldi, Sarah Abdulmalek, Analia Kinen, Gary Hardiman, Dongjun Chung, Oksana Poleskaya, Leah C. Solberg Woods, Roberto Ciccocioppo, Peter W. Kalivas, and **Abraham A. Palmer (2024)**. Genome-wide association study reveals multiple loci for nociception and opioid consumption behaviors associated with heroin vulnerability in outbred rats. **Accepted, *Molecular Psychiatry***: <https://doi.org/10.1101/2024.02.27.582340>