

Agenda

Wednesday, June 11, 2025 - Birmingham Museum of Art

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| 12:00-5:00 pm | Arrivals & Check In at McMahon Hall (for NEURAL Travel Award recipients only)
(1600 10th Ave S, Birmingham, AL 35205) |
| 5:30 pm | Shuttle begins from McMahon Hall (5:30 pm) and UAB Hilton (5:45 pm) to Welcome Reception (shuttle has limited capacity and is for NEURAL Travel Award recipients and Keynote Speakers only) |
| 6-7:30 pm | Welcome Reception (all NEURAL registrants are welcome to attend)
Birmingham Museum of Art
2000 Reverend Abraham Woods Jr Blvd, Birmingham, AL 35203 |
| 7:30 pm | Shuttle from BMA to McMahon Hall and UAB Hilton (for non-UAB guests only) |

Thursday, June 12, 2025 - UAB Alumni House (1301 10th Ave S)

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| 8:00 am | Shuttle begins from McMahon Hall (8:00 am) and UAB Hilton (8:15 am) to Alumni House (for non-UAB guests only) |
| 8:30 am | Breakfast |
| 8:45 am | Opening Remarks & Ice Breaker: Farah Lubin, Ph.D.
Director, NEURAL Conference and UAB Roadmap Scholars Program |
| 9:00-10:20am | Oral Session I |
| 9:00-9:20 | Katherine Canada: "DLG4-GRIN2B Complex: A Critical Convergence Point Between Autism Genetics and Functional Connectivity" |
| 9:20-9:40 | Kanisa Davidson: "Proteasome activator mitigates amyloid induced toxicity and cognitive deficits" |
| 9:40-10:00 | Alexander Foden-Pérez: "Glia control experience-dependent plasticity in an olfactory critical period" |
| 10:00-10:20 | Helen Brinyark: "Resonance-guided Stimulation to Evoke Seizure Activity in Epileptogenic Brain Networks" |
| 10:20-10:30 am | Break |
| 10:30-11:15 am | Professional Development Session I: "Overcoming Imposter Syndrome"
Dr. Laurence Boitet, Assistant Professor and Director of Trainee Wellness,
Department of Medical Education |
| 11:15-11:25 am | Break |
| 11:25 am-12:10 pm | Panel: New Pathways to Enhance Neuroscience Training |
| 12:15-1:00 pm | Lunch and Networking |
| 1:00-2:00 pm | Keynote Speaker I: Jennifer Tudor, Ph.D.
"Sleep is where memories and metabolism meet" |
| 2:00-2:10 pm | Break |

Thursday, June 12, 2025 - UAB Hilton - Hamilton Ballroom (808 20th St. S.)

2:10-3:30 pm	Oral Session II
2:10-2:30	Elizabeth Castro: "Adolescent Structural Whole-Brain Changes After Sport-Related Concussion"
2:30-2:50	Cydney Martin: "Limbic neuropeptides may mediate sex differences in affective behavior changes following repetitive mild traumatic brain injury in adolescent rats"
2:50-3:10	Bryana Whitaker Hardin: "Ovarian hormone regulation of basolateral amygdala activity during valence processing"
3:10-3:30	Melissa Do: "A Pilot Study of Transdermal Auricular Vagus Nerve Stimulation for Treating Insomnia in Breast Cancer Patients"
3:30-3:40 pm	Break
3:40-4:40pm	Keynote Speaker II: Corey Harwell, Ph.D. "Development and Functional Diversity of Neural Cell Types in the Septum"
4:50 pm	Shuttle departs from the UAB Alumni House to the UAB Hilton - Hamilton Ballroom (808 20th St. S.)
5:00 pm	Dinner Reception for NEURAL Guests & Speakers, Poster Hanging
6:00 pm	Poster Session (hors d'oeuvres served)
8:15 pm	Shuttle departs from UAB Hilton to McMahon Hall (for non-UAB guests only) (1600 10th Ave S, Birmingham, AL 35205)

Friday, June 13, 2025 - UAB Alumni House (1301 10th Ave S)

8:00 am	Shuttle begins from McMahon Hall (8:00 am) and UAB Hilton (8:15 am) to Alumni House (for non-UAB guests only)
8:30 am	Breakfast
9:00-10:00 am	Keynote Speaker III: Matia Solomon, Ph.D. "Neurons and Networks: My Journey as a Neuroscientist in Academia, Industry, and in the Community"
10:00-10:10 am	Break
10:10-11:30 am	Oral Session III
10:10-10:30	Princess Felix: "Knockdown of the glucocorticoid receptor (GR) in a corticostriatal pathway increases the propensity to attribute incentive salience to a reward cue"
10:30-10:50	Saurav Gupta: "Nociceptive A β -Afferent Neurons Mediate Mechanical Allodynia in Oxaliplatin-Induced Neuropathy"
10:50-11:10	Jazmin Corral: "Calcium signaling in Schwann cells development and myelination"
11:10-11:30	Gabrielle Blahusiak: "Investigating a Link Between Cytomegalovirus Infection and Cognitive Decline in a Mouse Model of Alzheimer's Disease"
11:30 am-12:30 pm	Lunch and Networking
12:30-1:15 pm	Shark Tank

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| 1:15-2:00 pm | Professional Development Session II:
"Conflict Resolution between mentors and trainees"
Michelle R. Horvath, University Ombudsperson
Office of the Ombuds, University of Alabama at Birmingham |
| 2:00 pm | Awards & Closing Remarks
- Presenting Awards for Best Oral Presentation, Best Poster, and Shark Tank
- Presenting RMS Outstanding Faculty Awards |
| 2:30 pm | Adjourn
Shuttle bus from UAB Alumni House to McMahon Hall |