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UCLA Neuroscience Celebration Day 2025

Annual Neuroscience Day

The Power of Neuroscience: Celebrating
our Discoveries and Community

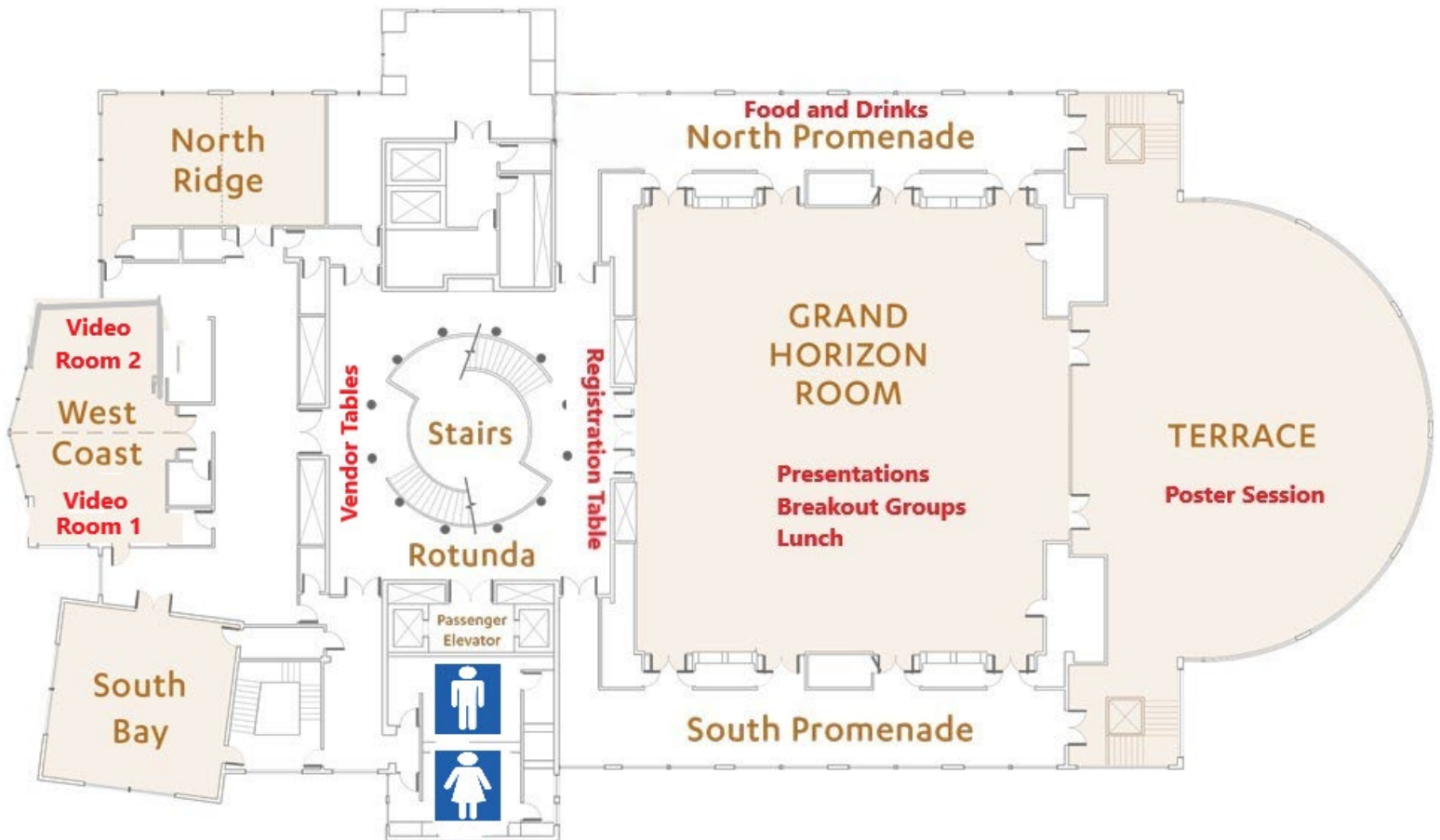


December 2, 2025
Covel Commons
Grand Horizon Ballroom

UCLA

Brain Research Institute

Event Layout



Video Room Instructions

Sign up at the registration table for a 10-minute slot to record your responses to the prompts below:

1. Tell us your story.
2. What inspired you to pursue neuroscience?
3. What has been your toughest moment?
4. What accomplishment are you most proud of?
5. What do you hope to achieve in the future?

Program

Time	Activity	Location
8:30 AM – 9:00 AM	Registration & Continental Breakfast	Ballroom Entrance / North Promenade
9:00 AM – 9:15 AM	Welcome & Introduction	Grand Horizon
9:15 AM – 10:15 AM	Integrative Center Spotlight Talks	Grand Horizon
10:15 AM – 10:30 AM	Break	
10:30 AM – 12:30 PM	Speaker Presentations <ol style="list-style-type: none"> 1. Tracy Johnson, Ph.D. Dean Life Sciences, UCLA College 2. Caroline Montojo, Ph.D. President & CEO Dana Foundation 3. Walter Koroshetz, M.D. Director National Institute of Neurological Disorders and Stroke 4. Kelsey Martin, M.D., Ph.D. Executive Vice President, Autism and Neuroscience Simons Foundation 5. Michelle Jones-London, Ph.D. Founder and Chief Executive Officer Open Insight Coaching and Consulting LLC Former Program Director, Neuroscience Workforce Development, NIH 	Grand Horizon
12:30 PM – 1:45 PM	Breakout Group Discussions / Lunch	Grand Horizon / North Promenade
1:45 PM – 3:45 PM	Poster Session Session A: 1:45 PM – 2:45 PM (Even-Numbered Posters) Session B: 2:45 PM – 3:45 PM (Odd-Numbered Posters)	Terrace
3:45 PM – 4:30 PM	Special Lecture: “Neuroscience Power for California and Beyond”	Grand Horizon
4:30 PM – 5:00 PM	Breakout Group Insights & Poster Awards	Grand Horizon
5:00 PM – 6:00 PM	Reception	North Promenade

Meet the Speakers

Tracy Johnson, Ph.D., was appointed dean of life sciences in September 2020. She is holder of the Keith and Cecilia Terasaki Presidential Endowed Chair, and a professor of molecular, cell, and developmental biology. Johnson, who joined the UCLA faculty in 2013, is recognized for her scientific leadership and contributions to educational innovation. She is a Howard Hughes Medical Institute Professor and has served as associate dean for inclusive excellence in the division of life sciences since January 2015. Prior to joining UCLA, she was a member of the UC San Diego biological sciences faculty and a Jane Coffin Childs postdoctoral research fellow at the California Institute of Technology. She earned her bachelor's degree in biochemistry and cell biology at UC San Diego and her doctorate in biochemistry and molecular biology at UC Berkeley.



Caroline Montojo, Ph.D., is the President and CEO of the Dana Foundation, a private philanthropic organization in New York City dedicated to advancing neuroscience and society by supporting cross-disciplinary intersections such as neuroscience and ethics, law, policy, humanities, and social sciences. Dr. Montojo leads the Foundation's new mission to advance neuroscience that benefits society and reflects the aspirations of all people. Dr. Montojo serves on the Advisory Board of the Science Philanthropy Alliance and is a member of the U.S. National Institutes of Health BRAIN Initiative Neuroethics Working Group. She was previously the Director of Life Sciences and the Director of Brain Initiatives at The Kavli Foundation where she worked closely with the Kavli Institutes and large-scale international brain initiatives to advance science. Dr. Montojo completed postdoctoral research in the Semel Institute for Neuroscience and Human Behavior at the University of California, Los Angeles (UCLA), for which she was awarded the Arnold Scheibel Distinguished Postdoctoral Fellow in Neuroscience Award and the Stephen R. Mallory Schizophrenia Research Award. Dr. Montojo received her bachelor's degree from the University of California, Berkeley, and completed her M.A. and Ph.D. at Johns Hopkins University.



Walter Koroshetz, M.D., serves as Director of the National Institute of Neurological Disorders and Stroke. He joined NINDS in 2007 as Deputy Director and has held leadership roles in multiple programs including co-leading the NIH's BRAIN Initiative, the NIH RECOVER Initiative on Post Acute Sequelae of COVID-19, pain research in the Helping to End Addiction Long Term (HEAL) Initiative, the Accelerated Medicine Partnerships for Parkinsons and the Public Private Partnership in ALS. Before joining NINDS, Dr. Koroshetz served as Vice Chair of Neurology, Director of stroke and neurointensive care services at Massachusetts General Hospital (MGH) neurologist at Mass General Brigham and in the MGH Huntington's Disease Clinic. He was a professor of Neurology at Harvard Medical School (HMS) and led neurology resident training at MGH between 1990 and 2007.



Kelsey Martin, M.D., Ph.D., is Executive Vice President of the Simons Foundation Autism and Neuroscience programs. The Simons Foundation, established in 1994 by Jim and Marilyn Simons, advances the frontiers of research in mathematics and the basic sciences. Within the Foundation, the Simons Foundation Autism Research Initiative (SFARI) supports research on the basic science of autism and related neurodevelopmental disorders. The Simons Foundation Neuroscience Collaborations convene and support scientists addressing foundational questions about brain function. Dr. Martin is also Professor Emeritus on Active Recall in Biological Chemistry at UCLA, where her laboratory studies the cell biology of experience-dependent synaptic plasticity.



Michelle Jones-London, Ph.D., is a nationally recognized neuroscientist, executive leader, and workforce strategist with over two decades of experience shaping training and equity-centered programs across the biomedical research ecosystem. As the founding Chief of the Office of Programs to Enhance the Neuroscience Workforce (OPEN) and later as Associate Director in the Office of the Director at the National Institute of Neurological Disorders and Stroke (NINDS), she led transformative NIH initiatives under the BRAIN Initiative, Common Fund, and NIH Blueprint. She holds a Ph.D. in Neuroscience from Penn State College of Medicine and completed postdoctoral training at the University of Pennsylvania.



Round Table Topics & Breakout Discussions

Power of Neuroscience at UCLA/BRI

1. What do you see as the power of neuroscience in your research community and UCLA more broadly?
2. How can the BRI help you preserve, expand, and celebrate this power?
3. What are some opportunities for strategic changes and new approaches to continue and to preserve the power of neuroscience in your lab, local research community, UCLA or more broadly?
4. How can the BRI support these changes at the level of research, administration and training?



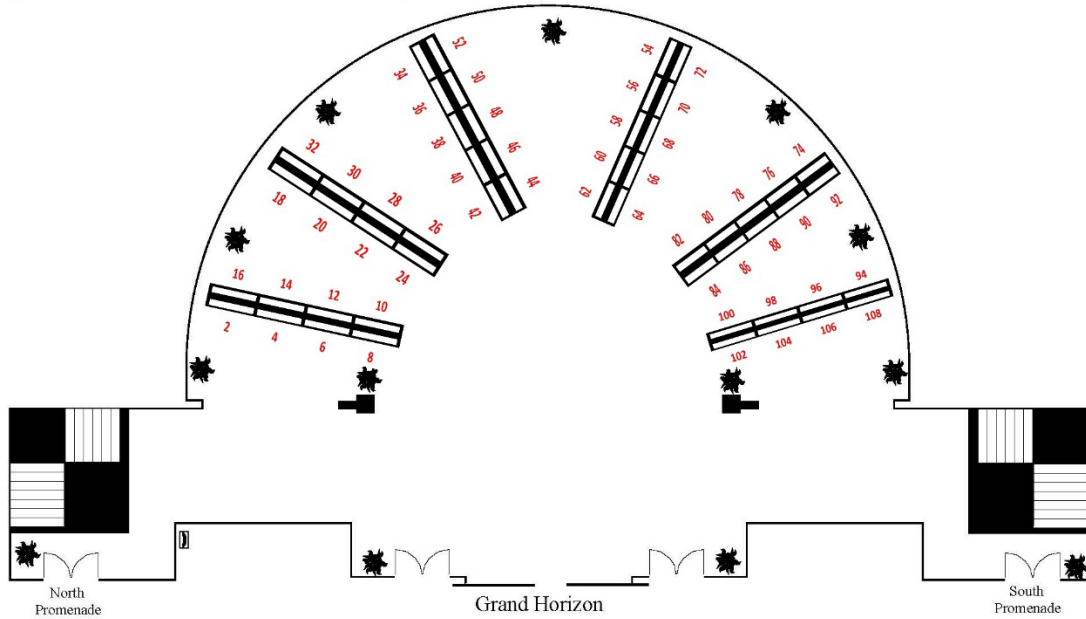
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responses via
Qualtrics

Notes

Poster Session Layout

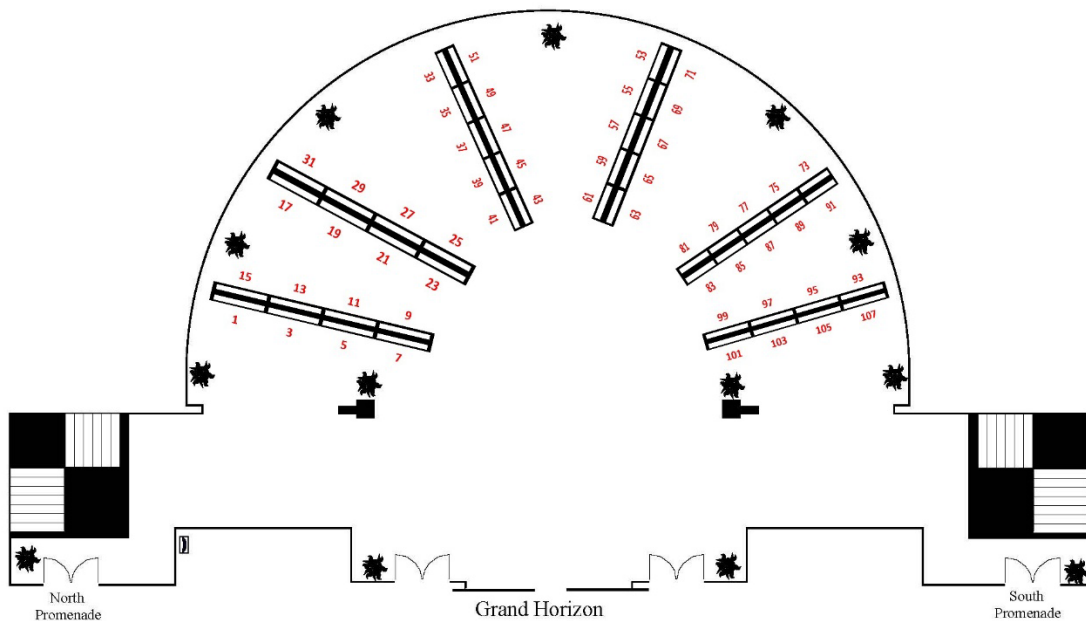
Session A: 1:45 PM – 2:45 PM
(Even-Numbered Posters)

Terrace



Session B: 2:45 PM – 3:45 PM
(Odd-Numbered Posters)

Terrace



Poster Presentations

The poster program is structured in the following sequence: Travel Award Recipients, Neuroscience Outreach, Integrative Centers, Affinity Groups, Campus Centers, and Lab Posters.

Brain Research Institute Arnold Scheibel Distinguished Postdoctoral Scholar Lecture Award Recipient: Denisse Paredes

1. Enhancing Agency in Stressed Mice Promotes Goal Directed Behavior
Paredes, D., Pimenta, J., and Wassum, K.M.

Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Postdoctoral Fellow Travel Award Recipients: Claudia Aguirre, Marta Alonso Gardon, Pengxiang Chen, Hamid Chorsi, Anna Yu-Szu Huang, Patricia Nano, Michael Ryan, and Karolina Socha

2. Contributions of the Basolateral Amygdala-to-Anterior Cingulate Cortex Pathway in Learning Under Unexpected Uncertainty
Aguirre, C.G., Alhabbal, L., Romero-Sosa, J.L., and Izquierdo, A.
3. Proteomics and Transcriptomics of Astrocytes and Neurons in Dementia-Related Contexts
Alonso Gardon, M., Pandey, V., Neupane, C., Kawaguchi, R., Wohlschlegel, J., and Khakh, B.S.
4. Consequences of Astrocyte Morphology Loss In Vivo
Chen, P., Neupane, C., Wu, L., Pandey, V., Wohlschlegel, J., Zuchero, J., and Khakh, B.S.
5. STIMscope: Closed-Loop Real-Time Imaging and Patterned Optogenetics at Single-Cell Resolution
Chorsi, H., Jin, Y., Soldado-Magraner, S., Zheng, A., Soltanalipouryokesammak, I., Sangiuliano Jimka, F., Buonomano, D., Golshani, P., and Aharoni, D.
6. Consequences of Molecularly Defined Reactive Astroglia In Vivo
Huang, A.Y.S., Chen, P., Ollivier, M., Alonso-Gardón, M., Wu, L., Pandey, V., Chen, M., Wohlschlegel, J.A., Kawaguchi, R., and Khakh, B.S.
7. Maps to Mechanisms: Interrogating the Patterning of Human Cortical Areas
Nano, P.R., Jaklic, D.C., Soto, J., Mil, J., and Bhaduri, A.
8. Understanding Decision-Making Strategies Across the Lifespan in Mice
Ryan, M.B., Zhou, J., Ye, L., Tarighat, A., Vasquez, M., Muthusamy, A., Ao, S., Melin, M., Couto, J., and Churchland, A.K.
9. Unilateral Inactivation of the Superior Colliculus Modulates Bilateral Activity and Biases Sensory Choices
Socha, K.Z., Terry, B., West, S.J., Churchland, A.K., Harris, K.D., and Carandini, M.

**Brain Research Institute and Semel Institute for Neuroscience & Human Behavior
Graduate Student Travel Award Recipients: Michael Apostol, Shantee Ayala
Rosario, Sara Blagburn Blanco, Yesenia Cabrera, Penny-Shuyi Chen, Caitlin
Goodpaster, Sukriti Gupta, Alicia Kao, Jamie McDowell, Blake Miranda, Erin
Morrow, Nitish Patel, Ikponmwoosa Pat-Osagie, Abhas Rajhans, Ari Schaler, Jose
Soto, Shiyun Wang, and Haocheng Zhu**

10. Can We Treat Depression Faster? Accelerated (5×5) vs. Conventional Repetitive Transcranial Magnetic Stimulation (rTMS)
Apostol, M.R., Valles, T.E., Corlier, J., and Leuchter, A.F.
11. Behavioral Signatures of Stress-Enhanced Fear Learning in Mice
Ayala-Rosario, S.N., Lugo-Flores, T., Morgan, O.A., Hawk, C.W., Smith, A., Mostafa, E., Perez, P., Patel, V., Ngwu, P., Fanselow, M., and Poe, G.R.
12. Impacts of Early Life Adversity on Avoidance Behaviors and Nucleus Accumbens Microglia Across Development
Blagburn-Blanco, S.V., Christensen, C.R., Chappell, M.S., Samuels, A.M., Blagburn, J.M., and DeNardo, L.A.
13. Dynamic Sleep Patterns Following Traumatic Stress Exposure, Compared With Following Post-Fear Learning and Exposure to Non-Traumatic Novelty Learning Reveal Nervous System Adaptability to Psychological Stress
Cabrera, Y., and Poe, G.
14. Consistency Between Visual Motion and Locomotion Modulates Responses in Primate Area MT
Chen, P.S., Rowley, D., and Huk, A.
15. A Novel Corticotrophin-Releasing Hormone Circuit Drives Enhanced Avoidance in Adolescents Who Experienced Early Life Adversity
Goodpaster, C.M., Gongwer, M., Jones, N., Ramirez, M., Shari, M., Alturki, M., Hundley, R., Utter, J., and DeNardo, L.
16. Value Generalization on a Continuous Spatial Bandit Task for Rats
Gupta, S., Cueto, C., Rebollar, A., Abzun Erazo, F., Mansur, S., Lok Yung Yong, A., and Wikenheiser, A.M.
17. Cell-Type Specific Prefrontostriatal Terminal Dynamics Guide Effort-Based Decision Making
Kao, A.E., Liu, A.Z., Yang, A.J., Stout, G., Shivani, S., and Wilke, S.A.
18. Synapses Can Learn To Tell Time
McDowell, J., Soldado-Magraner, S., Zhou, S., and Buonomano, D.
19. Dorsal Premammillary Nucleus Supports Acquisition of Learned Escape
Miranda, B.A., Torossian, A., Reis, F.M.C.V., Hilgert, E., Gudipati, R., Wang, W., Schuette, P.J., and Adhikari, A.

20. Dopaminergic Processes Predict Temporal Distortions in Event Memory
Morrow, E., Huang, R., and Clewett, D.
21. Periaqueductal Gray GABAergic Neurons Dynamically Promote Consumption According to Food Value
Patel, N.A., Liu, X.A., Zhao, H., Leeds, H.S., Blair, G.J., DiFazio, L.E., Jorge, R.S., Cortés, L.R., Cara, A.L., Sedillo, A.G., Walker, E.E., Kihara, A.H., Correa, S.M., van Veen, J.E., Reis, F.M.C.V., and Adhikari, A.
22. Loss of Noradrenergic Mu Opioid Receptor Expression Enhances Opioid Reward and Exaggerates Opioid-Induced Withdrawal
Pat-Osagie, I., Li, S., Baker, J., Parilla, S.E., Greenhill, H., Ghanbari, N., Seth, K., and Cahill, C.
23. Sleep Deprivation Increases DNA Double-Strand Breaks in the Hippocampus
Rajhans, A., Ghiani, C.A., Kye, E., Balu, V., Glanzman, D.L., and Paul, K.N.
24. Microglial Mitochondria: Mapping Organelle Status and Influence on Microglial Function in Aging and Disease
Schaler, A., Espinoza, K., Hsieh, H., Escobar, A., Gray, D., Gao, F., Kawaguchi, R., and De Biase, L.
25. Metabolic Atlas of Early Human Cortical Development
Soto, J.A., Mil, J., Matulionis, N., Krall, A., Day, F., Stiles, L., Montales, K.P., Azizad, D.F., Gonzalez, C.E., Nano, P.R., Martija, A.A., Perez-Ramirez, C.A., Nguyen, C.V., Kan, R.L., Andrews, M.G., Christofk, H.R., and Bhaduri, A.
26. Model-Free Action Selection Requires Hippocampal State Representations in a Spatial Decision Task
Wang, S., Grgurich, R., and Blair, H.T.
27. Bayesian Causal Inference as a Unifying Account of a Variety of Multisensory Temporal Tasks
Zhu, H., and Ladan, S.

**Brain Research Institute and Semel Institute for Neuroscience & Human Behavior
Post-Baccalaureate Trainee Travel Award Recipient: Chloe Christensen**

28. Effect of Early Life Stress on Microglia Function in Developing Nucleus Accumbens
Christensen, C.R., Blagburn Blanco, S.V., Blagburn, J.M., and DeNardo, L.A.

**Brain Research Institute and Semel Institute for Neuroscience & Human Behavior
Undergraduate Student Travel Award Recipients: Mayann Kristen Rivera, Alfred Ukudeev-Freeman, Ganeshreddy Venumbaka, and Angela Yang**

29. Effects of Repeated Oxycodone Administration on Sleep and Spatial Memory
Rivera, M., Smith, J., Mostafa, E., Lugo, T., Carpio, K., Schlichting, R., and Alcayde, K.

30. UNET and Attention-Based Architectures for Denoising Functional Ultrasound Imaging
Ukudeev-Freeman, A.T., Pamarthi, A., Sathishkumar, N., Puranik, S., and Venumbaka, G.
31. An Endogenous Opioid System in the Pacific Hagfish, a Vertebrate-Invertebrate Transition Species, Analogous to the Mammalian Opioid System
Venumbaka, G., Chen, S., Setia, R., Romero, A., Bhandary, P., Freda, P.J., Alayoubi, A., and Evans, C.J.
32. Prefrontal Outcome-Related Activity Shapes Ongoing Effort-Based Choice Strategies
Yang, A.J., Khosalim, N., Nasereldin, D., Kao, A., Gupta, T.A., and Wilke, S.

Brain Research Institute Neuroscience Outreach

33. Bridging Opportunity Gaps in STEM: InterAxon at UCLA's Neuroscience Education Initiative in Title I Classrooms
Boughanem, H.Y., Fiore, J., and Kong, E.
34. Accelerating Pathways to Neuroscience Research and Discovery: UCLA's Summer Undergraduate Research Programs Foster Inclusive Excellence and Professional Growth
Saravanapandian, V., Lawal, H., Izquierdo, A., Poe, G., and Paul, K.
35. Impact of Brain Awareness Week on Neuroscience Knowledge and Engagement Among K-12 Students from Low-Opportunity Schools in Los Angeles Neighborhoods
Sigar, P., and Saravanapandian, V.
36. Cultivating Early Laboratory Learning (Cell) Scholars: Increasing Access to Science at Local Title I High Schools
Yu, A., Lesmana, I., Hughes, D., Kao, A., An, J., Esfand, S., and Venkatraman, A.

Integrative Center for Addictions

See Poster #22 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Ikponmwosa Pat-Osagie

37. The Interactive Effects of Premenstrual Symptom Severity and Weekend on Alcohol Consumption in Females
Henry, B.A., Nieto, S.J., and Ray, L.A.
38. Determining the Molecular Mechanisms Responsible for the Antinociceptive Effects of B-Caryophyllene
Whitehouse, E.C., Baglot, S., O'Neill, P.R., and Cahill, C.M.

Integrative Center for Sleep and Performance

39. The Integrative Center for Sleep and Performance at UCLA: A Translational Framework for Advancing Sleep, Circadian, and Performance Science
Paul, K.N., and Colwell, C.

40. Local Sleep in Cortex and Hippocampus Associated With Spatial Learning in Rodents
Pettibone, W.D., Schlichting, R., Nguyen, L., Bohall, B., Aldaco, C., Poe, G.R., and Wikenheiser, A.M.

Autism Affinity Group

41. Intrinsic Activation in Human Stem Cell-Derived Microglia Harboring ASD Risk Gene CHD8 Haploinsufficiency Mutations
Hawken, N.M., Martin, J.M., Kawaguchi, R., and Geschwind, D.H.
42. Unique White Matter Signatures of Autism Spectrum Disorder Within 22q11.2 Deletion Syndrome
Retika, C., Boen, R., Kushan, L., Fung, H., Villalon-Reina, J.E., Thompson, P.M., and Bearden, C.E.

Brain Tumor Affinity Group

43. Non-Enhancing Regions of Glioblastoma Harbor Quiescent Stem Like Cells That Contribute to Chemotherapy Resistance
Youssef, M.I., Perryman, T., Harper, S., Carson, A., Dudley, L., Oduro, E., Delgadillo, A., Patel, S., Sud, N., Kornblum, H., and Patel, K.S.

Computational Neuroscience Affinity Group

See Poster #27 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Haocheng Zhu

See Poster #42 under Autism Affinity Group

Decision-Making Affinity Group

44. A Progressive Ratio Task With Costly Resets Reveals Adaptive Effort-Delay Tradeoffs
Rivera, Z.M.G., Cervera, M., Guerrero Leon, K., Izquierdo, A., and Wikenheiser, A.M.
45. Medial Temporal Lobe Oscillations Reflect Approach-Avoidance Conflict During Naturalistic Decision-Making in Freely Moving Humans
Zubair, H.N., Seeber, M., Batista, D., Topalovic, U., Hiller, S., Mustapha, R., Vallejo, M., Oragwam, C., Larson, M., Baham, J., Stangl, M., Adhikari, A., Knowlton, B., Bari, A., Rao, V., Langevin, J.P., Fried, I., Eliashiv, D., and Suthana, N.

Electrophysiology of Brain Dynamics Affinity Group

46. Variability in Signal-To-Noise Characteristics of Semicircular Canal Afferents Could Reflect Probabilistic Inference and Uncertainty Estimation
Eladly, A., Paulin, M.G., and Hoffman, L.F.
47. Comparing Neural Oscillations in the Motor System During Cued and Uncued Rhythmic Movement Using Simultaneous Intracranial Basal Ganglia and Cortical Recordings
Yosef, B., Lin, J., Bari, A.A., and Cross, K.A.

Intellectual and Developmental Disabilities Research Affinity Group

48. PTEN and mTOR Pathway Regulation of Human Neurite Outgrowth
Condro, M.C., Tessema, K., Elahi, L., Irvin, S., Kawaguchi, R., Le Belle, J.E., Sareen, D., Samarasinghe, R., Martinez, J., Wells, M.F., Damoiseaux, R., and Kornblum, H.I.
49. Modeling Tumor Microenvironment: Glioblastoma, Tumor-Associated Endothelial Cells, and Neurons
Peraza, J., Condro, M.C., Muthukrishnan, S.D., and Kornblum, H.I.
50. A Single Cell Multi-Omic Analysis Identifies Molecular and Gene-Regulatory Mechanisms Dysregulated in the Developing Down Syndrome Neocortex
Vuong, C.K., Weber, A., Seong, P., Matoba, N., Shafie, B., Salinda, A., Zhang, P., Chen, Y.J., Nichterwitz, S., Younesi, S., Qi, L., Gandal, M.J., Geschwind, D.H., Stein, J.L., and de la Torre-Ubieta, L.

Parkinson's Disease & Related Neurodegenerative Disorders Affinity Group

51. A Novel Cellular Biosensor for Alzheimer's Disease Brain-derived Tau Aggregation Dynamics
Flavin, W.P., Yim, A., Hao, E., Grynberg-Schepis, T., Bommaraju, A., Murdock, C., Hong, H., and Peng, C.
52. Phosphatase-Resistant Synucleinopathy Following Duodenal Seeding of α -Synuclein Preformed Fibrils in Parkin Knockout and Wild Type Mice
Yehya, A.H.S., Mouchamel, M., Katta, A., Fong, R., Brahmabhatt, K., Lam, H., Peng, C., Maidment, N.T., and Videlock, E.J.

Synapse to Circuit Affinity Group

53. Characterization of the Circadian Clock in Long-Sleeping *Drosophila mojavensis*
Nave, C., Larratt, K., Fung, M., Ahmed, U., and Donlea, J.M.
54. Neural Network Architecture of the Mouse Basal Pontine Nuclei
Zhao, Q., Zingg, B., Wang, J., Cao, C., Rudd, M., Sun, J., Lin, G., Moradi, K., Nanda, S., Foster, N., Bowman, I., Hintiryan, H., and Dong, H.W.

UCLA-CDU Dana Center

See Poster #1 under Brain Research Institute Arnold Scheibel Distinguished Postdoctoral Scholar Lecture Award Recipient: Denisse Paredes

See Poster #20 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Erin Morrow

55. Complex Interplay of Environmental Factors on Critical Periods of Neurodevelopment
Ellis, A., Page, E.M., Garcia, D.L., Abdelmonem, H., Bignell, A.E., Gadani, A., Gonzales, G., Uriarte, M., Suarez, J.C., and Tornini, V.A.

56. From Life-Saving to Lethal: Investigating Mechanisms of “Hot Drugs” on Brains
Floum, N., Venkat, B., and Tornini, V.A.
57. Associations of Family History on Subjective Cognitive Decline Across Diverse Populations
Glenn, P., Robinson, T.L., Amariglio, R.E., Sperling, R.A., and Deters, K.
58. Humanistic Neuroscience for Societal Well-Being in Incarcerated Populations
Kadambi, A., Figueroa, M., and Iacoboni, M.
59. Confronting (neuro) Technoableism
Levy, L., and Feinsinger, A.
60. How to Have (Neuro)science Conversations: Developing a Peer-to-Peer Discussions & Skills Workshop
Lim, K., and Morrow, E.

Avishek Adhikari, Ph.D.

See Poster #19 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Blake Miranda

See Poster #21 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Nitish Patel

Daniel Aharoni, Ph.D.

See Poster #5 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Postdoctoral Fellow Travel Award Recipient: Hamid Chorsi

Carrie Bearden, Ph.D.

See Poster #42 under Autism Affinity Group

Aparna Bhaduri, Ph.D.

See Poster #7 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Postdoctoral Fellow Travel Award Recipient: Patricia Nano

See Poster #25 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Jose Soto

Gal Bitan, Ph.D.

61. Longitudinal Biomarker Analysis in Neuronal EVs and Plasma Following GHF-201 Treatment in Adult Polyglucosan Body Disease Patients
Bidoki, S., Siddique, I.A., Mishra, K., Khoury, S., Mordechai, A., Lossos, A., Zaitlen, N., Kakhlon, O., and Bitan, G.

62. Tau Isomerization Patterns in Soluble and Insoluble Fractions Across Different Brain Regions and Neurodegenerative Diseases

Galstyan, S.A., Shoff, T.A., Wong, K., Cai, P., Bitan, G., and Julian, R.R.

63. Novel Blood Biomarkers for Mucopolysaccharidosis Type III (Sanfilippo Disease)

Luzzi, A., Acevedo, J., Morales, A., Khijniak, M., Perez de la Garza, G., O'Neill, C., Chen, A., Iacovino, M., Eisengart, J., Polgreen, L.E., and Bitan, G.

H. Tad Blair, Ph.D.

See Poster #26 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Shiyun Wang

64. Path Integration Is Necessary for Flexible Goal-Directed Navigation

Wang, S., Grgurich, R., Aharoni, D., and Blair, H.T.

Dean Buonomano, Ph.D.

See Poster #18 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Jamie McDowell

Catherine Cahill, Ph.D.

See Poster #22 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Ikponmwosa Pat-Osagie

See Poster #38 under Integrative Center for Addictions

65. Absence of Noradrenergic Mu-Opioid Receptors Exacerbates Anhedonia During Opioid Withdrawal

Hoffman, A., Wan, M., and Cahill, C.M.

Arpana Church, Ph.D.

66. Multisystem Biological Imprints of Discrimination-Related Stress: A Multi-omics Analysis of Cardiovascular Risk Pathways

Vignolle, G.A., Dong, T.S., Wang, D., Hung, M.W., Vora, P., Gee, G.C., Beltran-Sanchez, H., Wang, M., Kilpatrick, L.A., Labus, J.S., Zhang, X., and Church, A.

67. Social Bonds and Health: Exploring the Impact of Social Relations on Oxytocin and Brain-Gut Communication in Shaping Obesity

Zhang, X., Dong, T.S., Gee, G.C., Kilpatrick, L.A., Beltran-Sanchez, H., Wang, M.C., Vaughan, A., and Church, A.

Anne Churchland, Ph.D.

See Poster #8 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Postdoctoral Fellow Travel Award Recipient: Michael Ryan

David Clewett, Ph.D.

See Poster #20 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Erin Morrow

Christopher Colwell, Ph.D.

See Poster #39 under Integrative Center for Sleep and Performance

Katy Cross, M.D., Ph.D.

See Poster #47 under Electrophysiology of Brain Dynamics Affinity Group

Lindsay De Biase, Ph.D.

See Poster #24 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Ari Schaler

Luis de la Torre-Ubieta, Ph.D.

See Poster #50 under Intellectual and Developmental Disabilities Research Affinity Group

Laura DeNardo, Ph.D.

See Poster #12 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Sara Blagburn-Blanco

See Poster #15 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Graduate Student Travel Award Recipient: Caitlin Goodpaster

See Poster #28 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Post-Baccalaureate Trainee Award Recipient: Chloe Christensen

68. A Cell Type-Specific Mechanism Driving the Rapid Antidepressant Effects of Transcranial Magnetic Stimulation

Gongwer, M.W., Qi, A., Enos, A.S., Rueda Mora, S.A., Solakoğlu, S.T., Ahmed, R.N., Klune, C.B., Shari, M., Kashay, A.Q., Williams, O.H., Hacking, A., Riley, J.P., Wilke, G.A., Yang, Y., Lu, H., Leuchter, A.F., DeNardo, L.A., and Wilke, S.A.

Mina Desai, Ph.D.

69. D-Fructose Exposure Disrupts Neuronal Development in Mouse Neural Progenitor Cells
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Kacie Deters, Ph.D.

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70. APOE Genotype Moderates the Link Between Discrimination and Cognitive Decline: A Multi-Cohort Study

Mooney, K.E., Taks Calle, M., Mojica, C., Johnson, C., Thomas Tobin, C., Brown, L.L., Hill-Jarrett, T.G., Adkins-Jackson, P., Ezehh, C., Lao, P., Mayeda, E.R., Thames, A., Barnes, L.L., Adrissi, J., and Deters, K.D.

Hong Wei Dong, M.D., Ph.D.

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71. Organization of Extra-Cerebellar Inhibitory Inputs to the Inferior Olive

Zingg, B., Rudd, M., and Dong, H.W.

Jeff Donlea, Ph.D.

See Poster #53 under Synapse to Circuit Affinity Group

Christopher Evans, Ph.D.

See Poster #30 under Brain Research Institute and Semel Institute for Neuroscience & Human Behavior Undergraduate Student Travel Award Recipient: Alfred Ukudeev-Freeman

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72. Insights into the Evolution of the Endocannabinoid System from the Pacific Hagfish (*Eptatretus stoutii*), a Vertebrate/Invertebrate Transition Species

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Ashley Feinsinger, Ph.D.

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William Flavin, M.D., Ph.D.

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Itzhak Fried, M.D., Ph.D.

73. Decoding Specific Memory Retrieval From Human Neural Recordings

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Daniel Geschwind, M.D., Ph.D.

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Dara Ghahremani, Ph.D.

74. Neighborhood Physical Disorder as a Contextual Risk Factor for Structural Brain Integrity

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75. Stress as a Mediator Between Metabolite Concentrations in the PCC and IQ

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Peyman Golshani, M.D., Ph.D.

76. High-throughput Calcium Imaging Platform for Human Neurological Disorders Study

Chorsi, H., Jin, Y., Martin, J., Kamte, Y., Wells, M.F., Novitch, B., Geschwind, D., Aharoni, D., and Golshani, P.

William Grisham, Ph.D.

77. Neocortical and Corpus Callosum Morphology Across Mammalian Orders

Guzman, A., Todorov, J., and Grisham, W.

Neil Harris, Ph.D.

See Poster #90 under Paul Mathews, Ph.D.

Victoria Ho, M.D., Ph.D.

78. Single Nucleus Transcriptomics Identifies an Epilepsy-Associated Microglial Population in a Model of Temporal Lobe Epilepsy

Ho, V., Tjondropurnomo, R., Singh, R., Nguyen, J., Balkó, E., Depew, S., Chen, H., Van Veen, E., Rácz, B., and Golshani, P.

Larry Hoffman, Ph.D.

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Alex Huk, Ph.D.

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79. Fictive Prey Hunting As Continuous Psychophysics by Marmosets

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80. Marmosets, Memory-Guided Saccades, and Neuropixels: Elucidating the Mechanisms of Persistent Activity
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83. Self-Awareness from Actions and Prosocial Applications
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Genevieve Konopka, Ph.D.

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Dudley, L.A., Perryman, T., Kawaguchi, R., Goldman, S.A., Patel, K.S., and Kornblum, H.I.

87. Impacts of Soluble Factors from Oligodendrocyte Progenitor Cells on Glioblastoma Cell Viability

Lu, S., Dudley, L., and Kornblum, H.K.

Agatha Lenartowicz, Ph.D.

88. Relationship Between Factors of Arousal, Motivation, and Discomfort on Attention Levels

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Sotiris Masmanidis, Ph.D.

89. Learning Improves the Temporal Precision of Dopaminergic Reward Omission Dips

Li, R., Daw, T.B., Sánchez-Fuentes, A., Long, C., Buonomano, D.V., and Masmanidis, S.C.

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90. Cerebellar Inactivation Effects on Forebrain Connectivity and 2-Cue Reversal Learning

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91. NCBE Inhibition Reduces CSF Secretion in Human Choroid Plexus Epithelium

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Ketema Paul, Ph.D.

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92. Sleep Deprivation Increases Double-Stranded DNA Breaks in the Hippocampus
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Carlos Portera-Cailliau, M.D., Ph.D.

93. Breakdown in the Cortical Hierarchy of Predictive Processing in Barrel Cortex of Fragile X Syndrome Mice

Sánchez-León, C.A., Suresh, A., Ershaghi, N.H., and Portera-Cailliau, C.

94. Translatome Profiling Reveals Opposing Alteration in Inhibitory and Excitatory Neurons of Fragile X Mice and Identifies EPAC2 as a Therapeutic Target

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95. Differences in Receptive Field Size and Size Tuning In Primary Visual Cortex of Fragile X Mice

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96. All-Optical In Vivo Circuit Interrogation To Test Predictions From Computational Modeling Unveils a Role of Parvalbumin Interneurons in Developmental Cortical Network Desynchronization

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Lara Ray, Ph.D.

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Ladan Shams, Ph.D.

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Nanthia Suthana, Ph.D.

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See Poster #84 under Alicia Izquierdo, Ph.D.

Valerie Tornini, Ph.D.

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Lucina Uddin, Ph.D.

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97. Brain Signal Variability and Gene Expression Profiles Underlying Anxiety

Sigar, P., Goodman, Z., Nomi, J., Schleifer, C., Bessette, K., Bolt, T., and Uddin, L.Q.

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See Poster #52 under Parkinson's Disease & Related Neurodegenerative Disorders Affinity Group

Ina Wanner, Ph.D.

98. Proteomic Identification of Novel GFAP Fragments in Traumatic Brain Injury Link Biofluid Profiles to Human Astrocyte Proteinopathy and Patient Outcomes

Wanner, I.B., Chen, Y., Lopez, J.R., Gornbein, J., Shaw, G., Van Meter, T., and Vespa, P.M.

Kate Wassum, Ph.D.

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Scott Wilke, M.D., Ph.D.

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99. Prefrontal Inhibitory Cell Types Mediate the Rapid Antidepressant Effects of Repetitive Transcranial Magnetic Stimulation

Ahmed, R.N., Gongwer, M.W., Qi, A., Khorasani, L.N., Barry, J., Rueda, S.A., Hacking, A., Shari, M., Cepeda, C., Levine, M., Yang, Y., Lu, H., Leuchter, A.F., DeNardo, L.A., and Wilke, S.A.

X. William Yang, M.D., Ph.D.

100. Deletion of Murine F8a/HAP40 but Not Huntingtin in Cortical Lineage Leads to Juvenile-Onset Neurodegeneration

Dionisio, L.E., Gu, X., Langfelder, P., Wang, N., Estrada, M., Plascencia, M., and Yang, X.W.

101. Modeling Pathogenic and Protective FAN1 Variants Reveal Bidirectional Roles in Locomotor Activity, Somatic Instability and Striatal Pathogenesis in Q140 Mice

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102. Nuclear Polyglutamine Pathogenesis Can Elicit Transcriptionopathy and Chromatinopathy Similar to Q140 but Independent of Msh3

Gu, X., Wang, N., Ramanathan, L., Langfelder, P., Chen, H., Plascencia, M., and Yang, X.W.

103. Mapping Axonal Pathology in AD Mice at Single-Neuron Resolution with Ultrasparse Labeling and Light-Sheet Imaging

Lee, C.Y.D., Park, C.S., Akram, M., De La Rocha, A.J., Chen, H.Y., and Yang, X.W.

104. Targeting the DNA Mismatch Repair Gene for Mechanism-Based Therapy in Huntington's Disease

Lee, C.Y.D., Deng, L., Zhong, N., Wang, N., Damoiseaux, R., and Yang, X.W.

105. Genetic Modification of Mutant Huntingtin Induced Transcriptomes and Molecular Networks with 110 Knockout Mouse Strains

Ramanathan, L., Wang, N., Langfelder, P., Gao, F., Stricos, M., Plascencia, M., Vaca, R., Richman, J., Gu, X., Zhang, S., Park, C., Choi, C., Vogt, T., Aaronson, J., Rosinski, J., Coppola, G., Horvath, S., and Yang, X.W.

106. Msh3-Dependent Nuclear Mutant Huntingtin Accumulation Impairs Chromatin Organization in HD Vulnerable Neurons

Wang, N., Ramanathan, L., Langfelder, P., Vu, H., Gao, F., Maciejewski, E., Park, C., Zhang, S., Plascencia, M., Ernst, J., and Yang, X.W.

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