

# 2024 Brigham Neuroscience Day Poster Assignments

**Session 1 from 5:30-6:05pm | Session 2 from 6:15-6:50pm**

Hale Cafe Atrium

60 Fenwood Rd, Boston MA 02115

Session	Board #	First Name	Last Name	Degree(s)	Abstract / Poster Title
1&2	1	Gizem	Terzioglu		<i>INPP5D/SHIP1 Regulates Microglia Function and Inflammatory Response in Alzheimer's Disease</i>
1&2	2	Benjamin	Zide	MSt, BA	<i>Social activity mediates locus coeruleus tangle-related cognition in older adults</i>
1&2	3	Lien	Nguyen	PhD	<i>Exploring Small Molecule Drugs for MicroRNA Modulation: A Strategic Approach</i>
1&2	4	Shamsuddin	Bhuiyan	PhD	<i>Harmonized cross-species cell atlases of trigeminal and dorsal root ganglia</i>
1&2	5	Bernie	Owusu-Yaw	PhD	<i>Focused Ultrasound for Improved Delivery of AAV Vectors to the brain for the Treatment of Huntington's Disease</i>
1&2	6	Alexandra	Lish		<i>Elucidating the protective role of CLU in modulating astrocyte reactivity and Alzheimer's disease pathologies in human brain and cellular models</i>
1&2	7	Praveen	Bathini	PhD	<i>Anti-Amyloid Immunotherapy for AD: A Potential Link between ARIA and Complement</i>
1&2	8	Courtney	Benoit	PhD	<i>POU3F2 acts as a master regulator of neurodevelopment and neural homeostasis through its modulation of Wnt-mediated progenitor expansion and neuronal maturation</i>
1&2	9	Brijendra	Singh	PhD	<i>Long-term Effects of Complement C3 Lowering in Adult APP-KI Mice</i>

<b>1&amp;2</b>	10	Kellianne	Alexander	PhD	<i>Exploring the genetic and molecular mechanisms underlying hyperexcitability in Alzheimer's disease using iPSC-derived neurons</i>
<b>1&amp;2</b>	11	Lei	Liu	MD, PhD	<i>Unveiling <math>\gamma</math>-secretase Abnormality: Unraveling the Fundamental Pathophysiology of Alzheimer's Disease</i>
<b>1&amp;2</b>	12	John	Sunwoo	PhD	<i>Heart rate variability during therapeutic hypothermia in neonatal encephalopathy</i>
<b>1&amp;2</b>	13	Sarah	Heuer	PhD	<i>Evaluating the autonomous and non-autonomous effects of interacting cell-types using novel stem cell co-culture models of Alzheimer's disease</i>
<b>1&amp;2</b>	14	William	Drew		<i>Brain lesion parcellation using a precomputed human brain connectome improves symptom localization</i>
<b>1&amp;2</b>	15	Zachary	Augur		<i>Protein degradation in Alzheimer's disease: Insights from iPSC-derived neurons</i>
<b>1&amp;2</b>	16	Arati	Tripathi	PhD	<i>Nuclear receptors in synucleinopathy: A trick to treat</i>
<b>1&amp;2</b>	17	Litong	Jiang	PhD	<i>Predicting Parkinson's Disease Progression through Machine Learning Analysis of Protein and Peptide Biomarkers</i>
<b>1</b>	18	Alexis	Callen		<i>The role of 7T MRI to assess atrophy of the subcortical deep gray matter in relapsing-remitting multiple sclerosis</i>
<b>2</b>	18	Andrew	Pines	MD	<i>Lesions that Cause Psychosis Map to a Common Brain Circuit in the Hippocampus</i>
<b>1</b>	19	Lauren	Sanderson		<i>Common Lesion-Derived Circuitry Across Addiction Remission and Apathy</i>
<b>2</b>	19	Emma	Jones		<i>Novelty seeking predicts anxiety reduction across different TMS targets</i>
<b>1</b>	20	Bowen	Jin	PhD	<i>Single-neuron somatic genomic change in the context of Alzheimer's disease tau pathology</i>
<b>2</b>	20	Elizabeth	Benge	MD	<i>Restless Minds, Restless Legs: Treating Comorbid Insomnia, ADHD and Restless Legs Syndrome, A Case Report</i>
<b>1</b>	21	Quinn	Rademaker		<i>Interim Analysis of Epileptiform Discharge Inhibition with TMS (EDIT) Study</i>
<b>2</b>	21	Katherine	Golden	OTD, OTR/L	<i>Participation, life satisfaction, and psychosocial health dissociate with level of disability: A Traumatic Brain Injury Model System Study</i>
<b>1</b>	22	Phil	Bilodeau	MD	<i>Treatment outcomes in a Real-World Neuromyelitis Optica Spectrum Disorder Cohort</i>
<b>2</b>	22	Danielle	Sharon		<i>Adequacy of an in-NICU 1T MRI Compared to 3T MRI for Clinical Management</i>
<b>1</b>	23	Katherine	Brown		<i>Duplex-strand genome sequencing of single neurons reveals accumulation of somatic mutations and DNA lesions across the human life span</i>

2	23	Elizabeth	Singh	CPNP, RN	<i>Evolution of the Auditory Environment of Hospitalized Very Preterm Infants in Relation to Room Type and Parental Presence</i>
1	24	Meg	Sheehan		<i>Stigma and Employment in People with Multiple Sclerosis</i>
2	24	Shambhu	Yadav	PhD	<i>Sensory ataxia and cardiac hypertrophy caused by neurovascular oxidative stress in chemogenetic transgenic mouse lines</i>
1	25	Ashton	Tillett		<i>Dominant Gain of Phosphatase Function in Epilepsy-Associated PTPN11 Variants Confers Selective Advantage to Progenitor Cells</i>
2	25	Lilly	Hacsi		<i>Noninvasive neuromodulation of a novel cerebellar satiety network in Prader-Willi syndrome: Design and methodology of a pilot clinical trial</i>
1	26	Kayley	Hagerty		<i>Exploring the Structural Network Involved in Brain-Immune Interactions through Neuroimaging in long-COVID</i>
2	26	Niveditha	Gopalakrishnan		<i>Baseline predictors of cross-sectional and longitudinal change in Symbol Digit Modalities Test performance in individuals with multiple sclerosis</i>
1	27	Maria-Tzousi	Papaverigi	MSc	<i>A MaGical cASe: a story of the cell-specific effects of C3-mediated neurodegeneration</i>
2	27	Gannon	McDonough		<i>Neuropathologically-focused somatic genetic profiling of PRNP in Heidenhain variant, as a focal model for neurodegeneration, and across sporadic prion disease</i>
1	28	Feliberto	de la Cruz	PhD	<i>Dynamic functional connectivity markers in anorexia nervosa and their association with clinical symptoms: A cross-sectional study</i>
2	28	Janet	Mariadoss		<i>Associations between Stigma and the Discrepancy Between Objective and Subjective Cognitive Function in Persons with Multiple Sclerosis</i>
1	29	Saumya	Gupta		<i>Peri-Partum MRI activity in Multiple Sclerosis: Analysis From PREG-MS cohort</i>
2	29	Danielle	Sharon		<i>Serial Neuroimaging and Term-equivalent Age Neurodevelopmental Outcomes of Very Preterm Infants Receiving Tailored Neuropromotive Support in the NICU</i>
1	30	Colin	Galvin		<i>Movies as Naturalistic Stimuli for Comprehensive Brain Mapping</i>