5th Annual Neuroscience Day at Mass General

MASSACHUSETTS GENERAL HOSPITAL
NEUROSCIENCE

Thursday, September 15, 2022
1:00 – 3:00 PM
CNY Bldg 149 Lobby

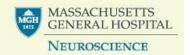|	Poster Host	Poster Title
1	**Madison Sangster** *Center for Genomic Medicine*	Novel AAV Vector for CNS and Peripheral Targeting via Systemic Administration
2	**Wen Shi, PhD** *Chu Lab* *Neurology*	Deviations from the Natural History of Delta Power in Angelman Syndrome Reflect Treatment Effect Size and Correlate with UBE3A Expression
3	**Sommer Huntress** *Neurology*	WWOX Levels are Increased in HuntingtonA's Disease and May Contribute to Pathogenesis
4	**Martha Bishop** *Research Technician II* *Center for Genomic Medicine*	Characterization of in vitro and in vivo Models of the Neurodegenerative Disorder BPAN
5	**Ayleen Castillo-Torres** *Research Technician I* *Neurology*	Decreases in WWOX and Mutations in the Gene Contribute to Mitochondrial Dysfunction in Amyotrophic Lateral Sclerosis
6	**Su Min Lim, PhD** *Research Fellow* *Neurology*	Optical Pooled Screens to Identify New Therapeutic Targets in Amyotrophic Lateral Sclerosis and Frontotemporal Dementia
7	**Jennie Roy, PhD** *Center for Genomic Medicine*	Targeting the MLH2 Endonuclease Domain as a Potential Therapy for Huntington's Disease
8	**Claire Shamber** *Clinical Research Coordinator* *Center for Genomic Medicine*	Gene Addition Strategy for MoCD Type A Utilizes MOCS1 and a Single Optimized Intron to Recapitulate the Endogenous Splice Pattern in vitro
9	**Pranav Nanda, MD** *Neurosurgery Resident*	Modeling Thalamic Viral-Vector GRN Gene Infusions for Frontotemporal Dementia (FTD) Using Normative Connectivity and Cortical Transcriptomics
10	**Xin Jiang, PhD** *Postdoctoral Research Fellow* *Neurology*	Blocking Translation to Rescue ALS/FTD Phenotypes Associated with C9ORF72 Repeat Expansion

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11	**Ranee Monsanto** *Research Fellow* *Neurology*	Inhibition of Myeloperoxidase Mitigates Neuroinflammation in X-linked Dystonia Parkinsonism Cellular Models
12	**Derek Tai, PhD** *Research Fellow* *Center for Genomic Medicine*	Tissue and Cell-Type Specific Molecular and Functional Signatures of 16p11.2 Reciprocal Genomic Disorder Across Mouse Brain and Human Neuronal Models
13	**Grace Jachimiec** *Research Technician II* *Neurology*	Active Immunization Against NMDA NR1 Subunit as a Model of Autoimmune Encephalitis
14	**Liesel Von Imhof** *Clinical Research Coordinator* *Neuro-Oncology*	Preliminary Results from the Phase I Pilot Study of [F18]T807 PET in Patients with Cognitive Impairment After Cancer Therapy
15	**Kimberly Kegal-Gleason, PhD** *Neurology*	Focused Ultrasound for Improved Brain Delivery of AAV Vectors Encoding a microRNA Targeting the HuntingtonÂ's Disease Gene
16	**Seda Yasa Ercan, PhD** *Research Fellow* *Center for Genomic Medicine*	Molecular and Functional Alterations in CLN3 Disease Microglia
17	**Timon Merk** *Brain Modulation Lab* *PhD Student*	Feature Extraction for Invasive Neural Decoding in Brain Computer Interfaces
18	**Matteo Vissani, PhD** *Postdoctoral Fellow* *Neurosurgery*	Towards Closed-Loop Intracranial Neurostimulation in Obsessive-Compulsive Disorder
19	**Christa Michel** *Brain Aging and Dementia Lab* *Martinos Center*	Strong Regional Associations between White Matter Lesion Burden and Cerebral Perfusion in Older Adults
20	**Faye McKenna, PhD** *Postdoctoral Fellow* *Emotion and Social Neuroscience Lab*	Neuroimaging of Loneliness and Social Isolation: Amygdala Network Connectivity

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21	**Madison Dunk** *Psychiatry*	Neurobiology of Postpartum Psychosis: Design and Preliminary Findings from MGHP3
22	**Nisan Ozana, PhD** *Center for Addiction Medicine Martinos Center*	Identification of △9-Tetrahydrocannabinol (THC) Using Resting-State Neuroimaging
23	**Miguel Chavez Santoscoy** *Postdoctoral Fellow Neurology*	Engineering AAV-Vectors for Transducing Striatal Neurons for Therapeutic Applications
24	**Louis Vinke, PhD** *Psychiatry*	Neural Correlates of Personal Space Intrusions in Psychotic and Healthy Individuals
25	**Tiffaney Hsia** *Neurosurgery*	Novel Approach for Glioblastoma Characterization via Tumor-Specific Extracellular Vesicles