

	A	B	F	G	H	I	J	K	N	O	S
1	Session Start	Session End	Presentation Title	Presentation Start	Presentation End	First Name	Last Name	MNI Collaborators	Session Number	Session Title	Presentation Order
3	Saturday, November 11th										
4	1:00 PM	5:00 PM	Forecasting seizures using evoked response features in tetanus toxin induced epilepsy in rats	1:00 PM	5:00 PM	Wei-Chih	Chang	Stacy	PSTR008	Epilepsy: Networks Changes and Modifications	14
5	1:00 PM	5:00 PM	The role of extended amygdala CRF in incentive motivation and addiction	1:00 PM	5:00 PM	Katie	Emery	Berridge	PSTR040	Neuronal Circuits, Motivation, and Emotion	11
6	1:30 PM	2:30 PM	Somewhere Over the Rainbow: The Dreams We Dare To Dream For ALS Can Come True	1:30 PM	2:30 PM	Eva	Feldman	Feldman	MTCE01	Meet-the-Clinician-Expert: Feldman " Somewhere Over the Rainbow: The Dreams We Dare to Dream for ALS Can Come True	1
7	1:00 PM	5:00 PM	The effect of glucocorticoid receptor knockdown in a corticostriatal circuit on cue-motivated behaviors	1:00 PM	5:00 PM	Princess	Felix	Flagel	PSTR040	Neuronal Circuits, Motivation, and Emotion	16
8	1:00 PM	5:00 PM	Melanin-concentrating hormone neurons differentially regulate feeding and arousal as a function of downstream projection area	1:00 PM	5:00 PM	Katherine	Furman	Burgess	PSTR038	Ingestion and Energy Balance: Neuropeptides and Hormonal Control	11
9	1:00 PM	5:00 PM	The Brain Data Alchemy Project: Teaching research reproducibility and discovery science while mining gold from archived genomics data	1:00 PM	5:00 PM	Megan	Hagenauer	Hagenauer	TJP05	Neuroscience Outreach and Education	2
10	1:00 PM	5:00 PM	Palmitate modulates neuroglial interaction through the extracellular vesicles: possible link between metabolic syndrome and Alzheimer's disease.	1:00 PM	5:00 PM	Bhumsoo	Kim	Feldman, Various	PSTR013	Tau: Aggregation and Phosphorylation	14
11	1:00 PM	5:00 PM	Functional interactions between the melanin-concentrating hormone and mesolimbic dopamine systems during food consumption and appetitive learning.	1:00 PM	5:00 PM	Liam	Potter	Burgess, Various	PSTR038	Ingestion and Energy Balance: Neuropeptides and Hormonal Control	10
12	1:00 PM	5:00 PM	Regulation of stress and mood in a mouse model of oral contraceptives	1:00 PM	5:00 PM	Kristen	Schuh	Tronson, Various	PSTR043	Animal Models of Mood Disorders: Neuromodulation	17
13	1:00 PM	5:00 PM	Causal evidence for the role of lateral prefrontal cortex in the time course of interference resolution	1:00 PM	5:00 PM	Jacob	Sellers	Jonides, Various	PSTR049	Inhibitory Control and Disorders of Executive Functions	19
14	1:00 PM	5:00 PM	Thermalflex: A Flexible Microfluidic-Based Cooling Module for Focal Brain Temperature Control and Neural Activity Modulation	1:00 PM	5:00 PM	Yi	Tian	Yoon, Various	PSTR057	Neuromodulation Techniques: Electrical, Magnetic, Thermal, Optical, and Optogenetics	9
16	Sunday, November 12th										
17	8:00 AM	12:00 PM	Multiplexed interhemispheric information exchange in the retrosplenial cortex	8:00 AM	12:00 PM	Omar	Ahmed	Ahmed	PSTR111	Cortical Circuits: Extended Hippocampal System and Retrosplenial Cortex	1
18	8:00 AM	12:00 PM	State-dependent regulation of hippocampal memory consolidation via somatostatin interneurons	8:00 AM	12:00 PM	Vinodh	Balendran	Aton	PSTR068	Structural Plasticity: Neurons and Networks I	3
19	8:00 AM	12:00 PM	The retrosplenial transcriptome in mice, rats, and preclinical Alzheimer's disease	8:00 AM	12:00 PM	Isaac	Brooks	Ahmed	PSTR111	Cortical Circuits: Extended Hippocampal System and Retrosplenial Cortex	3
20	8:00 AM	12:00 PM	Balancing memorization and generalization in RNNs for high performance brain-machine interfaces	8:00 AM	12:00 PM	Joseph	Costello	Patil, Chestek	PSTR088	Using Neuroprosthetics to Restore Skilled Behaviors	27
21	8:00 AM	12:00 PM	A deep-learning-augmented Kalman filter for high-performance intracortical decoding	8:00 AM	12:00 PM	Luis	Cubillos	Patil, Chestek	PSTR088	Using Neuroprosthetics to Restore Skilled Behaviors	28
22	8:00 AM	12:00 PM	A genetically-encoded light-gated transcriptional reporter for detecting opioid peptides	8:00 AM	12:00 PM	Jiahui	Ding	Wang, Wenjing	PSTR115	Biochemical and Molecular Tools for Neuronal Tagging	13
23	8:00 AM	12:00 PM	Psychedelic control of prefrontal cortex excitability	8:00 AM	12:00 PM	Tyler	Ekins	Ahmed, Various	PSTR105	Hallucinogens: Neural Mechanisms	15
24	8:00 AM	12:00 PM	Characterization of the intramitochondrial proteostatic response in a primary neuron model of ischemia/reperfusion injury	8:00 AM	12:00 PM	Garrett	Fogo	Sanderson, Various	PSTR077	Ischemia: Molecular and Cellular Mechanisms	1

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25	8:00 AM	12:00 PM	Custom Design and 3D Printed Skull Cap with Integrated Micro-drives for Multi-region Microelectrode Array Implantation for Rat Brain Recordings	8:00 AM	12:00 PM	Jeremiah	Hartner	Watson, B	PSTR117	Electrophysiology Techniques: Methods for Recording from Many Single Cells in Parallel	5
26	8:00 AM	12:00 PM	Compression or noise reduction: the role of dimensionality reduction methods in understanding the brain-muscle relationship	8:00 AM	12:00 PM	Madison	Kelberman	Chestek, Patil, Various	PSTR088	Using Neuroprosthetics to Restore Skilled Behaviors	24
27	8:00 AM	12:00 PM	The role of the HPA axis response to an acute social stressor in predicting resilience to anxiety and depression in college freshmen	8:00 AM	12:00 PM	Huzefa	Khalil	Khalil, Watson, Akil, , Various	PSTR098	Depression and Anxiety	9
28	8:00 AM	12:00 PM	The effect of post-learning sleep deprivation on neuronal activation, ensemble reactivation, and transcript expression in the mouse dentate gyrus	8:00 AM	12:00 PM	Katherine	McDonald	Aton, Various	PSTR068	Structural Plasticity: Neurons and Networks I	1
29	8:00 AM	12:00 PM	Nrem-targeted activation of medial septal cholinergic input to hippocampus disrupts consolidation of multiple hippocampal-dependent memories	8:00 AM	12:00 PM	Delaney	McKinstry	Aton, Zochowski, Various	PSTR068	Structural Plasticity: Neurons and Networks I	4
30	8:00 AM	12:00 PM	Cell-type-specific cholinergic control of retrosplenial cortex with implications for angular velocity coding across brain states	8:00 AM	12:00 PM	Chloe	Rybicki-Kler	Ahmed, Various	PSTR111	Cortical Circuits: Extended Hippocampal System and Retrosplenial Cortex	2
31	8:00 AM	12:00 PM	Engineering genetically encoded integration sensors for whole-brain mapping of G-protein-coupled receptor ligands	8:00 AM	12:00 PM	Angeliz	Soto Acevedo	Wang, Wenjing	PSTR115	Biochemical and Molecular Tools for Neuronal Tagging	14
32	8:00 AM	12:00 PM	Stress, Genetics and Mood: Impact of COVID-19 on a College Freshman Sample	8:00 AM	12:00 PM	Cortney	Turner	Turner, Various	PSTR098	Depression and Anxiety	6
33	8:00 AM	12:00 PM	Bidirectional manipulation of orexinergic neurons show sexual dimorphism in learning and memory	8:00 AM	12:00 PM	Alexis	Vega Medina	Aton	PSTR068	Structural Plasticity: Neurons and Networks I	2
34	8:00 AM	12:00 PM	Regenerative Peripheral Nerve Interfaces (RPNIs) and Implanted Electrodes Improve Online Control of Prostheses for Hand and Wrist	8:00 AM	12:00 PM	Dylan	Wallace	Patil, Chestek	PSTR088	Using Neuroprosthetics to Restore Skilled Behaviors	10
35	8:00 AM	12:00 PM	Non-human primate direct motor point fcs for dexterous hand movement	8:00 AM	12:00 PM	Ayobami	Ward	Patil, Chestek	PSTR088	Using Neuroprosthetics to Restore Skilled Behaviors	11
36	8:00 AM	10:00 AM	Evolving chemogenetic and optogenetic tools for multiplexed control of peptide functions	9:45 AM	10:00 AM	Luis	Vazquez Rivera	Wang, Wenjing, Various	NANO12	Neuropeptides, Cytokines, Growth Factors, and Other Signaling Molecules	9
37	1:00 PM	5:00 PM	Differential causal roles of parietal cortex, frontal cortex and cerebellum in spatial working memory	1:00 PM	5:00 PM	James	Brissenden	Polk	PSTR169	Distributed Mechanisms of Working Memory and Decision-Making I	18
38	1:00 PM	5:00 PM	State-dependent effects of parietal intermittent theta burst stimulation on visuomotor control circuits	1:00 PM	5:00 PM	Joseph	Deluisi	Polk, Taylor, Various	PSTR151	Sensorimotor Transformations: Human and Nonhuman Primate	11
39	1:00 PM	5:00 PM	Speech representation in Heschl's gyrus modified by visual input	1:00 PM	5:00 PM	Iain	DeWitt	Brang	PSTR152	Cross-Modal Processing in Humans	11
40	1:00 PM	5:00 PM	Intravenous administration of 2,5 Dimethoxy-4-iodoamphetamine, a serotonergic psychedelic, produces active emergence from propofol anesthesia and restoration of spectral power and functional connectivity	1:00 PM	5:00 PM	Christopher	Fields	Pal, Various	PSTR126	Cortical Network Dynamics	4
41	1:00 PM	5:00 PM	State-dependent effects of parietal stimulation on cortical plasticity and action control	1:00 PM	5:00 PM	Elana	Goldenkoff	Polk, Taylor, Various	PSTR151	Sensorimotor Transformations: Human and Nonhuman Primate	5
42	1:00 PM	5:00 PM	Effect of intravenous salvinorin A, the primary psychoactive molecule in Salvia divinorum, on brain network dynamics in rat	1:00 PM	5:00 PM	Emma	Huels	Mashour, Pal	PSTR126	Cortical Network Dynamics	3

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43	1:00 PM	5:00 PM	Striatal dopamine dynamics regulate forelimb-digit coordination during rat skilled reaching	1:00 PM	5:00 PM	Daniel	Leventhal	Leventhal, Burgess, Various	PSTR154	Basal Ganglia: Physiology and Function	13
44	1:00 PM	5:00 PM	Visual speech increases the decodability of phonemes in auditory cortex	1:00 PM	5:00 PM	Areti	Majumdar	Stacey, Various	PSTR152	Cross-Modal Processing in Humans	5
45	1:00 PM	5:00 PM	Optogenetic hedonic hotspots in orbitofrontal cortex, insula, ventral pallidum, and anterior cingulate cortex causally enhance liking and wanting for sweet food reward	1:00 PM	5:00 PM	Ileana	Morales	Berridge, Eban-Rothschild	PSTR165	Motivation and Food	1
46	1:00 PM	5:00 PM	Il10 signaling governs the proliferation of M&252;ller glia-derived progenitors via regulating inflammatory resolution of microglia during regeneration of photoreceptors in zebrafish	1:00 PM	5:00 PM	Mikiko	Nagashima	Hitchcock, Various	PSTR119	Cell Proliferation and Migration I	6
47	1:00 PM	5:00 PM	Auditory cortex differentially modulates inferior colliculus sub-circuits	1:00 PM	5:00 PM	Hannah	Oberle	Apostolides, Various	PSTR145	Auditory Processing: Circuit Structure and Function	15
48	1:00 PM	5:00 PM	Roles for hypothalamic astrocytes in neural circuits controlling reproduction	1:00 PM	5:00 PM	Chrystian	Phillips	Moenter	PSTR158	Molecular and Cellular Changes with Reproductive State and Hormones	3
49	1:00 PM	5:00 PM	Alertness and Learning Interact to Produce Brief Periods of Optimal Cognition in Mice	1:00 PM	5:00 PM	Aiswarya	Saravanan	Watson, B, Various	PSTR126	Cortical Network Dynamics	1
50	1:00 PM	5:00 PM	Neuropeptide Y signaling regulates recurrent excitation in the inferior colliculus.	1:00 PM	5:00 PM	Marina	Silveira	Roberts, Various	PSTR145	Auditory Processing: Circuit Structure and Function	10
51	1:00 PM	5:00 PM	Intravenous psilocybin disrupts theta-gamma coupling and enhances frontoparietal networks in rat	1:00 PM	5:00 PM	Brian	Silverstein	Pal, Vanini, Mashour, Various	PSTR126	Cortical Network Dynamics	5
52	1:00 PM	5:00 PM	Characterization of a central circuit controlling ovulation in mice	1:00 PM	5:00 PM	Joseph	Starrett	Moenter	PSTR158	Molecular and Cellular Changes with Reproductive State and Hormones	9
53	3:00 PM	4:30 PM	Peter and Patricia Gruber Lecture: The Emotional Brain: Embracing the Complexity	3:00 PM	4:30 PM	Huda	Akil	Akil	LECO9	Peter and Patricia Gruber Lecture: The Emotional Brain: Embracing the Complexity — Huda Akil	1
55	Monday, November 13th										
56	8:00 AM	12:00 PM	Allosteric Modulation of the μ -Opioid Receptor by Distinct Drug Classes Enhances Opioid Activity in vivo and in vitro	8:00 AM	12:00 PM	Benjamin	Clements	Traynor	PSTR210	Physiological and Behavioral Impacts of Opioids	15
57	8:00 AM	12:00 PM	Real-time prediction of latent neural trajectories and behavior	8:00 AM	12:00 PM	Jonathan	Gould	Draelos	PSTR243	Computational Neuroscience: Experiment	6
58	8:00 AM	12:00 PM	A multi-disciplinary approach to interrogating the relationship between inflammasome signaling and mitochondrial dynamics during ischemia/reperfusion injury	8:00 AM	12:00 PM	Francisco	Torres Torres	Sanderson, Various	PSTR203	Neuroinflammation: Microglia	9
59	8:00 AM	12:00 PM	Photoacoustic imaging of cortical and subcortical responses to retinal photostimulation in mice	8:00 AM	12:00 PM	Guan	Xu	Various	PSTR241	Optical Methodology-Development	28
60	9:30 AM	12:00 PM	Chemogenetic tools for manipulating endogenous GPCRs	10:44 AM	11:07 AM	Wenjing	Wang	Wang	MIN13	Building Bridges Across Chemistry and Neuroscience: New Approaches for Sensing and Manipulating Neuronal Signaling Christina Kim	7
61	10:30 AM	12:00 PM	Speaker	10:30 AM	12:00 PM	Benjamin	Singer	Various	BTCR02	The Long Haul: Brain Dysfunction After Acute Illness — Joanna L. Spencer-Segal	5
62	10:30 AM	12:00 PM	Chair	10:30 AM	12:00 PM	Joanna	Spencer-Segal	Spencer-Segal	BTCR02	The Long Haul: Brain Dysfunction After Acute Illness — Joanna L. Spencer-Segal	2
63	12:00 PM	2:00 PM	Speaker	12:00 PM	2:00 PM	Tim	Marzullo	NGP	PDW11	Teaching Neuroscience: New Approaches to Electrophysiology Labs	3

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64	1:00 PM	5:00 PM	Adipose tissue-derived extracellular vesicles; effects of aging and inflammation in obesity and prediabetes	1:00 PM	5:00 PM	Adam	Allouch	--	PSTR253	Microglia: Disease Mechanisms	15
65	1:00 PM	5:00 PM	Deep Brain Stimulation-Induced Local Evoked Potentials for Intraoperative Functional Mapping in Parkinson's Disease	1:00 PM	5:00 PM	Emily	Bence	Leventhal, Opri, Various	PSTR261	Parkinson's Disease: Therapeutic Strategies and Clinical Interventions	16
66	1:00 PM	5:00 PM	GluN2D-containing NMDA receptors enhance temporal integration in VIP neurons in the inferior colliculus	1:00 PM	5:00 PM	Audrey	Drotos	Roberts, Various	PSTR274	Auditory Processing: Neurotransmitters, Channels and Synapses	8
67	1:00 PM	5:00 PM	Linking cognitive and pathological resilience using brain-wide immunohistochemistry in the AD-BXD panel	1:00 PM	5:00 PM	Brianna	Gurdon	Kaczorowski	PSTR257	Alzheimer's Disease: Genetics	28
68	1:00 PM	5:00 PM	Sarm1 deficiency regulates neuron intrinsic and extrinsic mechanisms of axon regeneration in the injured mammalian PNS	1:00 PM	5:00 PM	Hannah	Hafner	Giger, , Various	PSTR264	Neuroinflammation and Neurological Disorders	3
69	1:00 PM	5:00 PM	Reorganization of thalamocortical functional connectivity underlies loss of consciousness	1:00 PM	5:00 PM	Zirui	Huang	Hudetz, Various	PSTR294	Subcortical Circuitry of Perception and Emotion	6
70	1:00 PM	5:00 PM	Topography of regional cerebral cholinergic vesicular transporter correlates of visual contrast sensitivity in Parkinson's disease: A [¹⁸ F]-FEOPV PET study	1:00 PM	5:00 PM	Prabesh	Kanel	Albin, Frey, Various	PSTR260	Dopamine and Non-Dopamine Pathways	22
71	1:00 PM	5:00 PM	Mnemonic and metabolic interactions across the hippocampal-hypothalamic circuit	1:00 PM	5:00 PM	Ekin	Kaya	Rothschild, Eban-Rothschild, Various	PSTR286	Ingestion and Energy Balance: Integration of Peripheral Signals	10
72	1:00 PM	5:00 PM	Causal evidence for the role of cognitive control networks in motor performance in Parkinson's Disease: a combined fMRI-TMS approach	1:00 PM	5:00 PM	Rupsha	Panda	Albin, Vesia, Various	PSTR261	Parkinson's Disease: Therapeutic Strategies and Clinical Interventions	19
73	1:00 PM	5:00 PM	Population coding of time-varying sounds in the non-lemniscal Inferior Colliculus	1:00 PM	5:00 PM	kaiwen	shi	Apostolides, Various	PSTR273	Auditory Processing: Temporal, Frequency, and Spectral Processing	2
74	1:00 PM	3:15 PM	Neuroviz: a platform for large-scale neuron simulation	1:15 PM	1:30 PM	Guanhua	Sun	Forger	NANO49	Network Models	3
75	6:45 PM	8:45 PM	Social Chair	6:45 PM	8:45 PM	Carrie	Ferrario	Ferrario	SOC15	Ingestive Behavior Social	2
76											
77	Tuesday, November 14th										
78	8:00 AM	10:30 AM	Development of integrating reporters for detection of protein-protein interactions with enzymatic readout	8:00 AM	8:15 AM	Jennifer	Sescil	Wang, Wenjing	NANO60	Biochemical and Molecular Techniques	2
79	8:00 AM	10:30 AM	Chair	8:00 AM	10:30 AM	Wenjing	Wang	Wang	NANO60	Biochemical and Molecular Techniques	1
80	8:00 AM	12:00 PM	ApoE variant alters hyperexcitability associated with Alzheimer's disease in dentate granule neurons	8:00 AM	12:00 PM	Mariah	Berchulski	Kaczorowski	PSTR326	ApoE and Associated Pathways II	18
81	8:00 AM	12:00 PM	Dsgrid: a dual-site tms grid-search targeting method for personalized functional stimulation of parietal-frontal circuits involved in actions	8:00 AM	12:00 PM	Joseph	Deluisi	Polk, Taylor	PSTR348	Cortical Planning and Execution: Human Neurophysiology	7
82	8:00 AM	12:00 PM	Evaluation of Mitochondrial Cardiolipin Modification in Neonatal Hypoxic Ischemic Encephalopathy	8:00 AM	12:00 PM	Katlynn	Emaus	Sanderson, Various	PSTR334	Stroke Recovery: Non-Pharmacological Approaches to Therapy II	19
83	8:00 AM	12:00 PM	Novel electrostatic-assisted assembly method for high alignment accuracy of modular flexible neural probes for recording channel count scaling	8:00 AM	12:00 PM	Meng-Lin	Hsieh	Yoon	PSTR350	BCI and Neural Prosthetics: Performance and Properties	7

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84	8:00 AM	12:00 PM	Using Manganese Enhanced MRI to Trace and Assess Ascending Vagal Pathways	8:00 AM	12:00 PM	Zhongming	Liu	Liu, Various	PSTR375	Circuit Tracing	10
85	8:00 AM	12:00 PM	Electrical stimulation-induced action potential interactions lead to variations in peripheral neural output: an in vivo study	8:00 AM	12:00 PM	Lauren	Madden	Various	PSTR379	New Approaches to Neural Stimulation	17
86	8:00 AM	12:00 PM	Early Life Stress Responses in Selectively Bred Rats: How Genetic Temperament Determines Development of the HPA Axis	8:00 AM	12:00 PM	Pamela	Maras	Hebda-Bauer, Watson, Akil	PSTR364	Animal Models of Mood disorders: Circuits and Behavior Paradigms	12
87	8:00 AM	10:30 AM	Development of a new version of SPOTIT for a permanent fluorescent read out of dopamine release with cellular-resolution	9:00 AM	9:15 AM	Steven	Havens	Wang, Wenjing	NANO60	Biochemical and Molecular Techniques	6
88	1:00 PM	5:00 PM	Visual Speech Differently Restores Temporal and Spectral Speech Information in the Auditory Cortex	1:00 PM	5:00 PM	Cody Zhewei	Cao	Brang	PSTR412	Auditory Processing: Perception, Cognition, and Action II	32
89	1:00 PM	5:00 PM	Perineal and rectal nerve recruitment order varies during pudendal neurostimulator implant surgery	1:00 PM	5:00 PM	Po-Ju	Chen	Bl, Bruns	PSTR421	Neural Control of GI and Urogenital Systems	2
90	1:00 PM	5:00 PM	Sepsis increases complement pathway expression in the mouse and human brain and is associated with increased microglial synaptic pruning in amyloid-burdened mouse brains	1:00 PM	5:00 PM	Kate	Giffin	Singer, Tronson, Various	PSTR391	Microglia-Neuron Interactions Health and Disease	8
91	1:00 PM	5:00 PM	Brain network hypersensitivity underlies pain crises in sickle cell disease	1:00 PM	5:00 PM	Pangyu	Joo	Lee	PSTR388	Oscillations in Cortical Networks	15
92	1:00 PM	5:00 PM	Assessment of multiplexed quantitative ability of in situ hybridization chain reaction based upon fluorescent intensity and mRNA grain count correlation	1:00 PM	5:00 PM	VIVEK	KUMAR	Watson, Akil, Various	PSTR443	Light and Electron Microscopy	11
93	1:00 PM	5:00 PM	Efficient, rapid, and minimally invasive implantation of individual non-functional motes with penetrating subcellular-diameter carbon fiber electrodes	1:00 PM	5:00 PM	Joseph	Letner	Cai, Various	PSTR415	BCI and Neural Prosthetics: Technology	8
94	1:00 PM	5:00 PM	Normalization of DSCAM in the Ts65Dn mouse model of Down Syndrome ameliorates dendritic phenotypes in the dentate gyrus of the hippocampus	1:00 PM	5:00 PM	Ryan	Neff	Ye, Murphy	PSTR382	Down Syndrome	2
95	1:00 PM	5:00 PM	High-resolution neurochemical characterization of the paraventricular nucleus of the thalamus	1:00 PM	5:00 PM	Brianna	Ramos	Flagel, Kennedy	PSTR422	Ingestion and Energy Balance: Non-Peptidergic Regulators	12
96	1:00 PM	3:30 PM	Regeneration of neurons by reprogramming glial cells in adult mice	1:45 PM	2:00 PM	Thanh	Hoang	Hoang, Various	NANO64	Spinal Cord Injury, Neural Regeneration, and Repair	5
97	6:45 PM	8:45 PM	Social Chair	6:45 PM	8:45 PM	Robert	Duncan	Duncan	SOC27	Yes and...: Engaging the Public in Neuroscience Through Improv Theater Social	2
98	6:45 PM	8:45 PM	Social Co Chair	6:45 PM	8:45 PM	Kate	Giffin	Singer, Tronson, Various	SOC27	Yes and...: Engaging the Public in Neuroscience Through Improv Theater Social	3
99	6:45 PM	8:45 PM	Social Chair	6:45 PM	8:45 PM	Megan	Hagenauer	Hagenauer	SOC26	The Confound Hour: Let™s Make Some Noise! Social	2

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100	8:00 AM	10:30 AM	Temporally-gated activity integrators in Drosophila	10:00 AM	10:15 AM	Guanwei	Zhou	Wang, Ye, Various	NANO60	Biochemical and Molecular Techniques	10
102	Wednesday, November 15th										
103	8:00 AM	12:00 PM	Covid-19-like immune challenge causes lasting memory deficits: role of neuroimmune priming	8:00 AM	12:00 PM	Hoi Kei (Amy)	Choi	Tronson	PSTR494	Consequences of Immune Activation	13
104	8:00 AM	12:00 PM	Big Data approaches to characterize pathological High Frequency Oscillations in human intracranial EEG	8:00 AM	12:00 PM	Jack	Lin	Stacey, Zochowski	PSTR459	Neural Excitability and Pathology in Humans	4
105	8:00 AM	12:00 PM	Dynamic causal roles of lateral prefrontal cortex and primary motor cortex in the expression of novice and expert motor skills	8:00 AM	12:00 PM	Quynh	Nguyen	Albin, Vesia, Various	PSTR487	Cortical Planning and Execution: Neuroimaging	3
106	8:00 AM	12:00 PM	Genetically encoded sensor for epinephrine and norepinephrine detection	8:00 AM	12:00 PM	Aubrey	Putansu	Wang, Wenjing	PSTR507	Biochemical and Molecular Probes for Neuronal Dynamics	11
107	8:00 AM	12:00 PM	Designing sensors for &945;-melanocyte-stimulating hormone	8:00 AM	12:00 PM	Ryan	Singer	Wang, Wenjing, Various	PSTR507	Biochemical and Molecular Probes for Neuronal Dynamics	12
108	8:00 AM	12:00 PM	Spatial transcriptomics reveal basal differences in nucleus accumbens gene profiles associated with temperament: studies in a rat model of emotional reactivity	8:00 AM	12:00 PM	Maria	Waselus	Watson, Akil, Various	PSTR506	Genomic and Transcriptomic Techniques	16
109	8:00 AM	11:30 AM	Migratory deficits in GABAergic interneurons associated with SLC6A1-related neurodevelopmental disorder	8:45 AM	9:00 AM	Maria	Varela	--	NANO72	Pluripotent Stem Cells: Developmental Mechanisms and Disease Models	5
110	1:00 PM	3:00 PM	Chair	1:00 PM	3:00 PM	Henry	Paulson	Paulson	NANO85	Alzheimer's Disease: Mechanisms, Biomarkers, and Risk Factors	1
111	1:00 PM	5:00 PM	Cholinergic modulation of E/I balance and its effects on network dynamics	1:00 PM	5:00 PM	Blaine	Fry	Zochowski	PSTR577	Computational Modelling of Synaptic Networks	4
112	1:00 PM	5:00 PM	The Circadian Dynamics of Neural Criticality in Mouse Hippocampus	1:00 PM	5:00 PM	Deniz	Kirca	Watson, Oganjanovski, Various	PSTR567	Hippocampal Circuits	2
113	1:00 PM	5:00 PM	Cholecystokinin and vasoactive intestinal peptide mRNA differences in the frontal pole cortex of schizophrenia and bipolar disorder subjects	1:00 PM	5:00 PM	David	Krolewski	Watson, Akil, Various	PSTR572	Schizophrenia Therapeutics: Animal and Human Studies	21
114	1:00 PM	5:00 PM	Cholinergic regulation of network activation mediates switching between different memory formation/consolidation modes during wake, NREM and REM sleep.	1:00 PM	5:00 PM	Zahraa	Noureddine	Zochowski	PSTR577	Computational Modelling of Synaptic Networks	1
115	1:00 PM	5:00 PM	A robust excitatory network maintains network stability in the hippocampus across 24 hour cycles	1:00 PM	5:00 PM	Nicolette	Ognjanovski	Watson	PSTR567	Hippocampal Circuits	1
116	1:00 PM	5:00 PM	Making neuron reconstruction more portable using video compression algorithms	1:00 PM	5:00 PM	Logan	Walker	Duan, Cai, Various	PSTR578	Software Tools: Anatomy and Morphology	6
117	1:00 PM	3:45 PM	Identification of Specialized Tactile Sensory Apparatus for Mechanical Itch	1:15 PM	1:30 PM	Mahar	Fatima	Duan, Various	NANO88	Somatosensory Mechanisms	3
118	1:00 PM	3:45 PM	A neural control circuit for cough-like defensive behaviors in mice	2:45 PM	3:00 PM	Noam	Gannot	Peng Li, Various	NANO88	Somatosensory Mechanisms	9