

Title	Authors (Bold font indicates Allen Institute affiliation)	Date/Time
PSTR025 - Visual Cortex: The Function of Neuronal Ensembles and Circuits		
PSTR025.10 / X20 - Responses of different neuron types to patterned sensory stimulation in a bio-realistic model of mouse primary visual cortex	N. REN, S. ITO, D. HAUFLE, A. ARKHIPOV	Nov 11, 1-5pm
PSTR025.14 / X24 - Modeling effects of stimulus novelty on cortical circuitry	S. ITO, A. PIET, C. BENNETT, S. DURAND, H. BELSKI, M. GARRETT, S. R. OLSEN, A. ARKHIPOV	Nov 11, 1-5pm
PSTR025.15 / X25 - Global and local oddball detection across the mouse visual cortical hierarchy	J. A. WESTERBERG, S. DURAND, A. BAWANY, H. CABASCO, H. LOEFFLER, H. BELSKI, B. HARDCASTLE, S. OLSEN, J. LECOQ, A. MAIER, A. BASTOS	Nov 11, 1-5pm
PSTR025.16 / Y1 - Openscope: a platform for high-throughput and reproducible neurophysiology open to external scientists to test impactful theories of brain function	J. LECOQ, S. DURAND, S. CALDEJON, A. BAWANY, C. KISELYCZNYK, C. FARRELL, P. A. GROBLEWSKI, N. ORLOVA, S. M. SEID, X. WAUGHMAN, A. WILLIFORD, J. SWAPP, C. PEENE, B. HARDCASTLE, H. CABASCO, H. LOEFFLER, H. BELSKI, S. OLSEN, C. KOCH	Nov 11, 1-5pm
PSTR026 - Functional Architecture of the Visual System		
PSTR026.05 / Y9 - Characterizing neurons in anesthetized macaque V1 with multi-photon imaging via a chronically implanted window	G. HATANAKA, S. CHATTERJEE, K. TAKASAKI, T. KIM, C. J. M. DYLLA, P. BALARAM, A. K. PASUPATHY, J. WATERS, R. C. REID, W. BAIR	Nov 11, 1-5pm
PSTR026.15 / Y20 - Multimodal integration of fMRI, dMRI and cytoarchitectonics in macaque visual cortex	P. BALARAM, A. HELLEVIK, B. MACLENNAN, E. E. TURSCHAK, J. TANDUKAR, K. TAKASAKI, R. TORRES, C. LAUGHLAND, O. GLIKO, D. VUMBACO, R. GAO, D. Y. TSAO, R. C. REID	Nov 11, 1-5pm
PSTR030 - Cross-Modal Processing: Neural Circuitry and Development		
PSTR030.09 / BB2 - Refined cortical-cortical and cortical-subcortical connectomes of somatosensory cortex at a level of single full morph cells	Y. WANG, H.-C. KUANG, X. KUANG, L. NG, S. YAO, P. LESNAR, Y. LI, L. EL-HIFNAWI, N. CHEN, J. CHANDRASHEKAR, C. FARRELL, T. KARLSSON, B. SUTTON, R. DALLEY, G. WILLIAMS, J. ANDRADE, A.-A. LI, H. GONG, Q. LUO, S. SORENSEN, H. ZENG	Nov 11, 1-5pm
PSTR041 - Motivation: Higher Cognitive Processing		
PSTR041.07 / JJ16 - Spiral waves are coordinated topographically across cortical and subcortical brain areas	Z. YE, M. BULL, D. BIRMAN, A. LI, N. STEINMETZ	Nov 11, 1-5pm
PSTR059 - Temporal and Spatial Patterning of Neurogenesis		
PSTR059.03 / A3 - Molecular logic of cell type development and diversity in mouse visual cortex	Y. GAO, C. V. VELTHOVEN, C. LEE, E. THOMAS, N. DEE, J. GOLDY, K. SMITH, B. TASIC, Z. YAO, H. ZENG	Nov 12, 8am-12pm
PSTR059.04 / A4 - Multi-omic Single-Cell Profiling of the Developing Mouse Brain	E. THOMAS, Y. GAO, C. LEE, K. SMITH, J. GOLDY, A. CHAKKA, A. TORKELSON, T. PHAM, R. FERRER, J. GUZMAN, M. BENDER, K. JAMES, J. RODRIGUEZ, N. DEE, T. CASPER, W. HO, M. CLARK, J. GLOE, R. MCCUE, M. REDING, E. LIANG, K. RONELLENFITCH, V. WRIGHT, C. PAGAN, L. NG, M. KUNST, C. VAN VELTHOVEN, Z. YAO, B. TASIC, H. ZENG	Nov 12, 8am-12pm
PSTR075 - Dystonia and Related Disorders		
PSTR075.01 / H9 - Movement initiation reveals a hyperactive direct pathway in a mouse model of DYT-TOR1A dystonia	F. F. DE BARROS, M. D. MENDONÇA, D. B. PEREIRA, D. S. MELO, L. RAUSCHENBERGER, S. KNORR, C. IP, R. COSTA, A. J. OLIVEIRA-MAIA, J. ALVES DA SILVA	Nov 12, 8am-12pm
PSTR084 - Sensorimotor Transformations: Circuit Mechanisms		
PSTR084.21 / Y3 - Investigating brain-wide encoding through interpretable subspaces	Y. LIU, S. CHEN, Z. WANG, B. KANG, N. LI, K. SVOBODA, S. DRUCKMANN	Nov 12, 8am-12pm
PSTR086 - Basal Ganglia: Connectivity, Cellular Identity, and Function		
PSTR086.09 / Z7 - Msn d1 morphology features across transcriptomic types in the mouse striatum	J. ANDRADE WILSON, S. WALLING-BELL, L. ALFILER, G. WILLIAMS, M. MALLORY, R. DALLEY, S. SORENSEN	Nov 12, 8am-12pm
PSTR086.10 / Z8 - Patch-seq reveals morpho-electric differences and regional contrasts in primate striatal cell types	X.-P. LIU, N. JOHANSEN, R. DALLEY, J. MILLER, M. WIRTHLIN, T. BAKKEN, S. SORENSEN, T. JARSKY, J. T. TING, H. ZENG, E. LEIN, B. LEE, B. E. KALMBACH	Nov 12, 8am-12pm
PSTR086.11 / Z9 - Correspondence of transcriptomic and electrophysiological properties along spatial axes in basal ganglia	A. BUDZILLO, C. LEE, R. DALLEY, R. MANN, N. JOHANSEN, J. A. MILLER, B. TASIC, H. ZENG, B. E. KALMBACH, S. SORENSEN, Z. YAO, B. R. LEE, N. GOUWENS	Nov 12, 8am-12pm

PSTR086.14 / Z12 - Granular circuit configuration of direct parallel striatopallidal projections to thalamus and brainstem revealed by brain-wide mapping and single nucleus RNA sequencing	Z. GU, A. MENDELSON, L. NIKOUBAKHT, J. LI, L. HAMMOND, E. THOMAS, C. RIMORIN, D. BERTAGNOLLI, M. TIEU, J. GOLDY, K. SMITH, B. TASIC, R. M. COSTA	Nov 12, 8am-12pm
PSTR105 - Hallucinogens: Neural Mechanisms		
PSTR105.06 / OO4 - Cell-type specific cellular actions of psychedelic drugs, psilocybin and psilocin on mouse cortical neurons	M. KIM, D.-W. KIM, S. VARGAS, L. NG, B. E. KALMBACH, S. OWEN, E. LEIN, J. T. TING, H. ZENG, C. KOCH	Nov 12, 8am-12pm
PSTR108 - Medial Temporal Lobe and Human Long-Term Memory: Brain Stimulation and Neurophysiology		
PSTR108.13 / QQ18 - Reliable consensus protocol to segment subfields within the hippocampal body on high-resolution in vivo MRI from the Hippocampal Subfields Group	A. DAUGHERTY, K. CANADA, G. RÅDMAN, T. T. BROWN, J. C. AUGUSTINACK, K. AMUNTS, A. BAKKER, D. BERRON, A. BURGGREN, G. CHETELAT, R. DE FLORES, S.-L. DING, Y. HUANG, R. INSAUSTI, E. G. JOHNSON, P. KANEL, A. KERESZTES, O. KEDO, R. LA JOIE, J. LEE, N. MALYKHIN, A. MARTINEZ, S. MUELLER, E. MULLIGAN, N. OFEN, R. OLSEN, D. J. PALOMBO, L. PASQUINI, J. B. PLUTA, N. RAZ, T. RIGGINS, S. SAIFULLAH, M. L. SCHLICHTING, C. E. STARK, T. A. STEVE, L. WANG, L. WISSE, P. YUSHKEVICH, V. CARR	Nov 12, 8am-12pm
PSTR116 - Genomics, Proteomics and Bioinformatic Approaches		
PSTR116.05 / VV33 - Robust suite of tools for prioritizing and visualizing single cell ATAC sequencing peaks	S. SOMASUNDARAM, N. JOHANSEN, A. OSTER, M. WIRTHLIN, M. HOOPER, E. THOMAS, Z. YAO, B. TASIC, T. L. DAIGLE, Y. BEN-SIMON, J. K. MICH, B. LEVI, J. T. TING, T. BAKKEN, J. MILLER, E. LEIN	Nov 12, 8am-12pm
PSTR116.06 / VV34 - Implementing cell type taxonomy and ontology standards for BICAN and beyond	J. A. MILLER, D. OSUMI-SUTHERLAND, L. NG, N. JOHANSEN, H. KIR, S. Z. K. TAN, Y. ZHANG, P. L. RAY, Z. YAO, H. ZENG, R. H. SCHEUERMANN, M. J. HAWRYLYCZ, E. S. LEIN	Nov 12, 8am-12pm
PSTR116.07 / VV35 - A community tool for mapping cell type labels onto arbitrary transcriptomic data sets	S. DANIEL, J. MILLER, C. CACERES, M. GABITTO, R. GALA, N. JOHANSEN, C. LEE, T. S. MOLLENKOPF, L. NG, M. PONN SHANKARAN, K. J. TRAVAGLINI, V. TRIVEDY, Z. YAO	Nov 12, 8am-12pm
PSTR117 - Electrophysiology Techniques: Methods for Recording from Many Single Cells in Parallel		
PSTR117.07 / VV57 - Ultra-high density electrode arrays for improved detection, stability, and cell type specificity in electrophysiological recordings	A. M. SHELTON, Z. YE, J. COLONELL, J. BOUSSARD, J. SHAKER, L. PANINSKI, J. SIEGLE, C. KOCH, S. OLSEN, T. HARRIS, N. A. STEINMETZ	Nov 12, 8am-12pm
PSTR117.16 / WW2 - A prototype Neuropixels Opto probe for simultaneous large-scale recording and optogenetics	K. Z. SOCHA, A. A. LAKUNINA, A. BOWEN, B. KARSH, M. KRUMIN, J. O'CALLAHAN, P. NEUTENS, H. TILMANS, B. DUTTA, M. HAUSSER, N. A. STEINMETZ, K. SVOBODA, J. H. SIEGLE, T. HARRIS, M. CARANDINI	Nov 12, 8am-12pm
PSTR117.17 / WW3 - Recording and optotagging in the mouse striatum with prototype Neuropixels Opto probes	A. LAKUNINA, K. Z. SOCHA, A. J. BOWEN, B. KARSH, M. KRUMIN, J. O'CALLAGHAN, P. NEUTENS, H. TILMANS, B. DUTTA, M. HÄUSSER, N. A. STEINMETZ, T. HARRIS, M. CARANDINI, K. SVOBODA, J. H. SIEGLE	Nov 12, 8am-12pm
PSTR117.25 / WW11 - Brain-wide, MRI-guided electrophysiology	Y. BROWNING, G. F. LYNCH, S. TOTTEN, D. LEE, K. SVOBODA, J. H. SIEGLE	Nov 12, 8am-12pm
TJP02 - K-12 Teaching and Outreach		
TJP02.17SU / WW82 - Building realistic neurons: a middle school lesson plan	G. WILLIAMS, C. GAMLIN, A. WIENER, K. CASIMO, R. DALLEY, S. SORENSEN	Nov 12, 8am-12pm
PSTR126 - Cortical Network Dynamics		
PSTR126.11 / C62 - Responses to cortical stimulation reveal thalamocortical state-dependent features in mice and humans	S. RUSSO, L. D. CLAR, L. MARKS, G. FURREGONI, F. ZAULI, G. HASSAN, M. SOLBIATI, S. SARASSO, M. ROSANOVA, I. SARTORI, A. PIGORINI, C. KOCH, M. MASSIMINI, I. REMBADO	Nov 12, 1-5pm
PSTR149 - Functional Organization of the Developing and Mature Visual System		
PSTR149.05 / AA1 - Functional connectomics reveals general wiring rule in mouse visual cortex	Z. DING, P. FAHEY, S. PAPADOPOULOS, E. Y. WANG, B. CELII, C. PAPADOPOULOS, A. KUNIN, A. CHANG, J. FU, Z. DING, S. S. PATEL, K. PONDER, T. MUHAMMAD, M. CONSORTIUM, E. FROUDARAKIS, F. H. SINZ, H. SEUNG, F. COLLMAN, N. DA COSTA, C. REID, E. Y. WALKER, X. S. PITKOW, J. REIMER, A. S. TOLIAS	Nov 12, 1-5pm

PSTR149.06 / AA2 - Exploring neuronal types, connectivity, and synaptic kinetics in a data-driven model of mouse V1	D. HAUFLE, S. ITO, K. DAI, X.-P. LIU, N. REN, A. ARKHIPOV	Nov 12, 1-5pm
PSTR178 - Genetic Techniques to Target and/or Manipulate Cells		
PSTR178.03 / VV6 - Transgenic tools for Cell Type specific Intersectional Targeting of Genetically Encoded Sensors and Effectors	S. NARAYAN, T. L. DAIGLE, J. BENDRICK, D. BIRMAN, Z. YE, P. A. GROBLEWSKI, P. BALARAM, S. WAY, K. RONELLENFITCH, N. A. STEINMETZ, H. ZENG, B. TASIC	Nov 12, 1-5pm
PSTR179 - Systems Biology and Multiomics Approaches		
PSTR179.09 / VV41 - Clearing techniques for a high-throughput whole mouse brain imaging platform	E. PETERSON, M. TAORMINA, D. TOGLIA, J. ROHDE, A. GLASER, J. CHANDRASHEKAR, C. M. PAGAN, J. WATERS	Nov 12, 1-5pm
PSTR179.10 / VV42 - Bridging Function and Transcriptomics: Experimental methods to link gene expression to in vivo physiology in mice	C. L. BONATTO PAESE, J. KIM, E. PETERSON, H. SCHRYVER, C. BERRY, S. MCCULLOCH, O. ZOBEIRI, M. DAVIS, L. SUAREZ, J. WILKES, M. TAORMINA, S. CALDEJON, A. WILLIFORD, J. MILLER, J. WATERS, S. OLSEN, M. GARRETT, A. ARKHIPOV, P. GROBLEWSKI	Nov 12, 1-5pm
PSTR179.11 / VV43 - Bridging Function and Transcriptomics: A high-throughput, flexible quality control system for multiple data modalities in an open-science environment	S. MCCULLOCH, C. ROLL, S. M. SEID, S. CALDEJON, N. ORLOVA, A. LEON, M. S. ALOI, C. BERRY, M. DAVIS, J. KIM, S. R. OLSEN, P. A. GROBLEWSKI, M. GARRETT	Nov 12, 1-5pm
PSTR179.12 / VV44 - Bridging Function and Transcriptomics: An open-source cloud-based data processing pipeline for 2-photon and lightsheet imaging data	M. J. DAVIS, C. BERRY, A. LEON, H. SCHRYVER, J. KIM, S. MCCULLOCH, J. FRIEDRICH, C. LAITON, J. WONG, O. ZOBEIRI, I. YAVORSKA, E. PETERSON, A. ARKHIPOV, S. OLSEN, P. GROBLEWSKI, S. SESHAMANI, D. FENG, M. GARRETT	Nov 12, 1-5pm
PSTR179.13 / VV45 - Bridging Function and Transcriptomics: Insights from Visual Responses in the Mouse Visual Cortex during Passive Viewing	O. ZOBEIRI, H. SCHRYVER, C. BERRY, V. HAYNES, S. MCCULLOCH, J. KIM, M. DAVIS, E. PETERSON, L. SUAREZ, J. WILKES, M. TAORMINA, S. CALDEJON, A. WILLIFORD, J. MILLER, J. WATERS, S. OLSEN, P. A. GROBLEWSKI, M. GARRETT, A. ARKHIPOV	Nov 12, 1-5pm
PSTR179.14 / VV46 - Bridging function and transcriptomics: Quantifying gene expression in the mouse visual cortex	H. SCHRYVER, C. BERRY, S. MCCULLOCH, O. ZOBEIRI, J. KIM, M. DAVIS, E. PETERSON, C. BONATTO PAESE, L. SUAREZ, J. WILKES, M. TAORMINA, S. CALDEJON, A. WILLIFORD, J. MILLER, J. WATERS, S. OLSEN, P. GROBLEWSKI, M. GARRETT, A. ARKHIPOV	Nov 12, 1-5pm
PSTR179.15 / VV47 - Linking functional activity and circuit structure in the mouse primary visual cortex	J. AMAN, O. ZOBEIRI, C. KING, M. A. BUICE, N. DA COSTA, F. COLLMAN, C. SCHNEIDER-MIZELL, A. ARKHIPOV	Nov 12, 1-5pm
PSTR179.16 / VV48 - Targeting thalamus cell populations with enhancer-driven AAV vectors	M. J. HOOPER, S. YAO, B. R. LONG, S. HUFF, J. ROTH, B. TASIC, N. DONADIO, M. GABITTO, T. CHARTRAND, F. HAESELEER, J. T. TING, B. P. LEVI, Y. BEN-SIMON, M. TAORMINA, C. VAN VELTHOVEN, M. KUNST, A. OSTER, S. WAY, B. THYAGARAJAN, E. LEIN, J. NGAI, H. ZENG, K. SVOBODA	Nov 12, 1-5pm
PSTR194 - Molecular and Cellular Changes with Age and Environment		
PSTR194.04 / E34 - Cell-type specific molecular signatures of aging revealed in a brain-wide transcriptomic cell type atlas	K. JIN, Z. YAO, C. T. J. VAN VELTHOVEN, E. S. KAPLAN, J. GOLDY, K. RONELLENFITCH, M. REDDING, M. DESIERTO, A. RUIZ, B. LEVI, N. DEE, L. ESPOSITO, K. A. SMITH, B. TASIC, H. ZHENG	Nov 13, 8am-12pm
PSTR239 - Intrinsic Hippocampal Circuits		
PSTR239.19 / WW10 - Rapid induction of place fields in retrosplenial cortex via holographic stimulation during spatial learning in virtual reality environments	A. ATTINGER, A. DRINNENBERG, C. DONG, B. TASIC, T. L. DAIGLE, H. ZENG, K. DEISSEROTH, L. M. GIOCOMO	Nov 13, 8am-12pm
PSTR241 - Optical Methodology-Development		
PSTR241.30 / WW73 - Second-generation scanned line projection microscopy (SLAP2) for in vivo imaging of synaptic input	K. PODGORSKI, A. CHARLES, D. A. FLICKINGER, G. JAINDL, A. NEGREAN, J. ROHDE, M. E. XIE	Nov 13, 8am-12pm
PSTR244 - Computational Neuroscience: Analytical		
PSTR244.01 / XX35 - Dissecting heterogeneity into classes and continua in scRNA-seq data	Y. MARGHI, U. SÜMBÜL	Nov 13, 8am-12pm
PSTR244.21 / XX55 - Curvilinear coordinate systems for visualizing adult and developmental neuroanatomical topography	A. A. BHANDIWAD, F. KRONMAN, S.-L. DING, Q. WANG, L. PUELLES, Y. KIM, L. NG	Nov 13, 8am-12pm
PSTR279 - Motor Learning of Skilled Behaviors		

PSTR279.14 / FF3 - Learning reaches to covert spatial targets in the corticostriatal forelimb circuitry	A. C. MOSBERGER, L. J. SIBENER, T. X. CHEN, H. F. M. RODRIGUES , R. HORMIGO, J. N. INGRAM, V. R. ATHALYE, T. TABACHNIK, D. PETERKA, D. M. WOLPERT, J. M. MURRAY, R. M. COSTA	Nov 13, 1-5pm
PSTR279.17 / FF6 - Local circuit plasticity in motor cortex during learning	M. S. BULL , M. ROZSA , F. LAGZI, L. MI , P. HUMPHREYS, M. ECKSTEIN, Z. KURTH-NELSON, K. L. STACHENFELD, T. LILLICRAP, C. CLOPATH, M. M. BOTVINICK, K. SVOBODA , K. DAIE , M. D. GOLUB	Nov 13, 1-5pm
PSTR299 - Network Activity of Executive Functions		
PSTR299.07 / UU10 - Distributed context representations in the mouse brain during sensory task-switching	C. BENNETT , S. D. GALE , E. G. MCBRIDE , J. KUYAT , B. HARDCASTLE , H. CABASCO , A. SRIDHAR , C. MOCHIZUKI , R. GILLIS , H. BELSKI , H. LOEFFLER , S. DURAND , S. OLSEN	Nov 13, 1-5pm
PSTR323 - Alzheimer's, Parkinson's and ALS: Genomics and Other Omics Approaches		
PSTR323.07 / D48 - Rna- and Atac-sequencing reveals a unique CD83+ microglial population focally depleted in Parkinson's disease	Z. CHATILA, A. YADAV, J. MARES, X. E. FLOWERS, T. D. YUN, A. F. TEICH, M. RASHID, R. TALCOFF, Z. PELLY, P. L. DE JAGER, Y. ZHANG, R. COSTA , E. AREA GOMEZ, G. J. MARTINS , R. ALCALAY, J. G. VONSATTEL, V. MENON, E. M. BRADSHAW, S. PRZEDBORSKI	Nov 14, 8am-12pm
PSTR349 - Cortical Planning and Execution: Neurophysiology Across Behaviors		
PSTR349.16 / FF25 - A feedforward circuit motif underlies apparently paradoxical neural coding	K. DAIE , L. FONTOLAN, S. ROMANI, S. DRUCKMANN, K. SVOBODA	Nov 14, 8am-12pm
PSTR353 - Sexual Behaviors		
PSTR353.02 / I19 - Love and War: Control of female social behaviors by hypothalamus	M. LIU, A. NAIR, D.-W. KIM , H. ZENG , S. LINDERMAN, D. ANDERSON	Nov 14, 8am-12pm
PSTR374 - Genes and Molecular Mechanisms of Learning and Memory II		
PSTR374.06 / WW20 - Functional and molecular dissection of sensory-guided task learning in perirhinal cortex	C. A. MCLACHLAN, D. G. LEE, K. M. DELGADO, O. KWON, N. MANJREKAR, Z. YAO , B. TASIC , H. ZENG , J. L. CHEN	Nov 14, 8am-12pm
PSTR375 - Circuit Tracing		
PSTR375.02 / WW29 - Cell types of the medulla based on single cell morphology and transcriptomics	J. BAKA , E. THOMAS , M. ROZSA , T. A. FERREIRA, M. PROJECT TEAM, C. GERFEN, L. MCELVAIN, K. FANCHER , K. SMITH , N. DEE , B. LEVI , B. TASIC , J. CHANDRASHEKAR , D. KLEINFELD, K. SVOBODA	Nov 14, 8am-12pm
PSTR376 - Connectomics: Other Nervous Systems		
PSTR376.06 / WW50 - Mapping synaptic connectivity at scale by in situ sequencing of barcoded rabies	A. ZHANG , L. JIN, S. YAO , M. MATSUYAMA, C. V. VELTHOVEN , H. SULLIVAN, M. KELLIS, B. TASIC , I. R. WICKERSHAM, X. CHEN	Nov 14, 8am-12pm
PSTR377 - Network Computations: Data Analytics and Statistics		
PSTR377.14 / WW81 - A computational approach to uncover neuromodulator dynamics in experiments with hyperspectral fiber photometry	R. GALA , S. SUNIL , K. PODGORSKI , U. SÜMBÜL	Nov 14, 8am-12pm
PSTR378 - Software Tools: Microscopy and Imaging		
PSTR378.04 / XX3 - Modeling Single Cell Omics Technologies within a multi-center consortium: building consensus through minimal metadata	P. BAKER , T. FLISS , M. GIGLIO, S. NADENDLA, P. RAY , C. L. THOMPSON	Nov 14, 8am-12pm
PSTR378.08 / XX6 - Fast, scalable, and statistically robust cell extraction from large-scale neural calcium imaging datasets	H. INAN, F. DINC, O. HERNANDEZ, C. SCHMUCKERMAIR, S. HAZIZA, Y. ZHANG, O. HAZON, T. TASCI, B. O. AHANONU, J. LECOQ , M. J. WAGNER, M. ERDOGDU, M. J. SCHNITZER	Nov 14, 8am-12pm
PSTR378.09 / XX7 - Statistically unbiased prediction enables accurate denoising of voltage imaging data	S. HAN, M. EOM, P. PARK, G. KIM, E.-S. CHO, J. SIM, K.-H. LEE, S. KIM, H. TIAN, U. L. BÖHM, E. LOWET, H.-A. TSENG, J. CHOI, S. E. LUCIA, S. RYU, M. ROZSA , K. SVOBODA , S. CHANG, P. KIM, X. HAN, K. D. PIATKEVICH, M. CHOI, C.-H. KIM, A. E. COHEN, J.-B. CHANG, Y.-G. YOON	Nov 14, 8am-12pm
PSTR378.10 / XX8 - A cloud based data processing pipeline for whole brain images from the SmartSPIM Lightsheet Microscope	N. LUSK , C. LAITON , M. TAORMINA , D. TOGLIA , E. PETERSON , J. ROHDE , J. WATERS , S. WAY , S. DE VRIES , C. ARSHADI , J. CHANDRASHEKAR , K. SVOBODA , D. FENG , S. SESHAMANI , S. YAO , B. TASIC	Nov 14, 8am-12pm
PSTR378.12 / XX10 - Automated Functional Co-Registration of the IARPA MICrONS "Minnie65" Dataset using Symmetrical Diffeomorphic Registration	J. JOYCE, S. PAPADOPOULOS, D. XENES, C. BISHOP, P. FAHEY, F. COLLMAN , N. DA COSTA , A. TOLIAS, P. RIVLIN, B. WESTER	Nov 14, 8am-12pm

PSTR387 - Regulation of Synaptic Plasticity		
PSTR387.06 / C15 - Brain-wide measurement of synaptic protein turnover during learning in mice	B. MOHAR, G. MICHEL, V. HERNANDEZ, P. W. TILLBERG, K. SVOBODA, N. P. SPRUSTON	Nov 14, 1-5pm
PSTR390 - Circuit-Based Antiepileptic Therapies		
PSTR390.04 / D2 - Cell class-specific gene therapy for Dravet syndrome	J. K. MICH, J. RYU, B. B. GORE, A. D. WEI, R. A. MARTINEZ, R. GUO, E. M. LUBER, R. L. CHRISTIAN, M. BARD, Y. BISHAW, J. RAMIREZ, J. T. TING, E. S. LEIN, B. P. LEVI, F. KALUME	Nov 14, 1-5pm
PSTR433 - Decision-Making: Prefrontal Cortex		
PSTR433.01 / SS21 - Morphological and transcriptomic diversity of thalamocortical projections	M. T. SUMMERS, B. LONG, T. CHARTRAND, A. KAMALOVA, D. TOGLIA, H. MYERS, J. ROHDE, M. TURNER, N. OUELLETTE, K. CAO, A. CARTER, A. WILLIFORD, B. TASIC, A. GLASER, H. ZENG, K. SVOBODA, J. CHANDRASHEKAR	Nov 14, 1-5pm
PSTR442 - Single-Cell Approaches for Understanding Brain Structure and Function		
PSTR442.13 / WW54 - Morphoelectric properties of Layer 4, 5 and 6 intratelencephalic transcriptomic types in the human neocortex	R. DALLEY, K. HADLEY, X.-P. LIU, M. MALLORY, R. MANN, G. WILLIAMS, S. WALLING-BELL, H. D. MANSVELDER, C. P. DE KOCK, G. TAMAS, J. T. TING, T. JARSKY, E. LEIN, S. SORENSEN, B. E. KALMBACH, B. LEE	Nov 14, 1-5pm
PSTR442.18 / WW59 - Patch-seq technique: the method, parameters, and adaptations for optimal single neuron characterization	K. NASIROVA, K. BLAKE, A. MCCUTCHEON, K. HADLEY, R. MANN, B. PAWAR, R. RAJANBABU, M. VANNESS, S. VARGAS, M. CLARK, J. GLOE, W. HO, N. DEE, K. SMITH, J. TING, R. DALLEY, E. LEIN, H. ZENG, T. JARSKY, S. SORENSEN, B. KALMBACH, B. R. LEE	Nov 14, 1-5pm
PSTR442.19 / WW60 - The transcriptomic and spatial organization of telencephalic GABAergic neuron types	C. T. J. VAN VELTHOVEN, M. KUNST, D. MCMILLEN, C. LEE, J. CAMPOS, J. CLOSE, S. DANIEL, B. LONG, J. MALONE, N. MARTIN, A. RUIZ, N. VALERA CUEVAS, C. PAGAN, L. KRUSE, J. WATERS, L. NG, K. A. SMITH, B. TASIC, Z. YAO, H. ZENG	Nov 14, 1-5pm
PSTR442.20 / WW61 - Analysis of neural activity in molecularly defined cell types in the mouse frontal cortex	T. WANG, A. SINGH, K. DAIE, K. SVOBODA	Nov 14, 1-5pm
PSTR442.24 / WW65 - Comprehensive single-cell analysis of chromatin accessibility in the adult mouse brain	S. ZU, Y. E. LI, K. WANG, M. MILLER, Y. WANG, M. L. AMARAL, X. HOU, B. LI, S. KUAN, H. LIU, J. ZHOU, A. PINTO-DUARTE, J. LUCERO, J. OSTEEN, M. NUNN, K. A. SMITH, B. TASIC, Z. YAO, H. ZENG, Z. WANG, J. SHANG, M. M. BEHRENS, J. R. ECKER, A. WANG, S. PREISL, B. REN	Nov 14, 1-5pm
PSTR442.25 / WW66 - A high-resolution transcriptomic and spatial atlas 1 of cell types in the whole mouse brain	Z. YAO, C. V. VELTHOVEN, M. KUNST, M. ZHANG, D. MCMILLEN, C. LEE, W. JUNG, J. GOLDY, C. PAGAN, L. KRUSE, N. DEE, S. M. SUNKIN, L. ESPOSITO, M. J. HAWRYLYCZ, J. WATERS, L. NG, K. SMITH, B. TASIC, X. ZHUANG, H. ZENG	Nov 14, 1-5pm
PSTR442.26 / WW67 - Generation of a mouse brain spatial atlas for cell types	M. KUNST, D. MCMILLEN, J. CAMPOS, C. LEE, M. CHEN, B. R. LONG, S. DANIEL, J. GEE, N. VALERA, C. PAGAN, S. M. SUNKIN, M. J. HAWRYLYCZ, L. NG, C. VAN VELTHOVEN, Z. YAO, H. ZENG	Nov 14, 1-5pm
PSTR443 - Light and Electron Microscopy		
PSTR443.17 / XX3 - Expansion-assisted selective plane illumination microscopy for nanoscale imaging of centimeter-scale tissues	A. GLASER, J. CHANDRASHEKAR, J. VASQUEZ, C. ARSHADI, N. OUELLETTE, X. JIANG, J. BAKA, G. KOVACS, M. WOODARD, S. SESHAMANI, K. CAO, N. CLACK, A. GRIM, P. BALARAM, E. TURSCHAK, A. LIDDELL, J. ROHDE, A. HELLEVIK, K. TAKASAKI, L. ERION BARNER, M. LOGSDON, C. CHRONOPOULOS, S. DE VRIES, J. TING, S. I. PERLMUTTER, B. KALMBACH, N. DEMBROW, C. REID, D. FENG, K. SVOBODA	Nov 14, 1-5pm
PSTR446 - Software Tools: Neurophysiology		
PSTR446.18 / XX67 - Novel parameterization of event-related potentials: a step towards characterizing the biophysical origins	M. PRESTON, D. CELLIER, E. KOSIK, P. SEYFOURIAN, L. CLAAR, L. MARKS, C. KOCH, I. REMBADO, B. VOYTEK	Nov 14, 1-5pm
PSTR446.26 / XX75 - Tools for large-scale modeling, simulation and visualization of realistic biological networks: The SONATA Data format and integrated software	K. DAI, B. ISRALEWITZ, X.-P. LIU, M. SPIVAK, S. ITO, N. REN, D. HAUFLE, E. TAJKHORSHID, A. ARKHIPOV	Nov 14, 1-5pm

PSTR446.28 / XX77 - The Open Ephys GUI: A collaboratively developed platform for high-channel-count electrophysiology data acquisition	A. DOSHI, P. KULIK, A. MUNK, A. LÓPEZ, J. VOIGTS, J. H. SIEGLE	Nov 14, 1-5pm
PSTR463 - Tau: Distribution		
PSTR463.06 / K4 - Mapping the progression of Alzheimer's Disease combining detailed neuropathology and statistical models	A. AGRAWAL, V. M. RACHLEFF, K. J. TRAVAGLINI, S. MUKHERJEE, P. K. CRANE, D. KEENE, E. LEIN, G. MENA, M. GABITTO	Nov 15, 8am-12pm
PSTR490 - Neuroethology: Control of Motor Circuit		
PSTR490.11 / LL23 - Transcriptomic and epigenomic data for 26 species provide insight into the evolution of mammalian motor cortex	M. WIRTHLIN, J. PUCKETT, N. JOHANSEN, N. JORSTAD, A. YANNY, A. A. DE SOUSA, D. BERTAGNOLLI, A. B. CHAKKA, R. CHAKRABARTY, S.-L. DING, R. FERRER, J. GOLDY, N. GUILFORD, J. GUZMAN, V. OMSTEAD, T. PHAM, C. RIMORIN, S. C. SEEMAN, N. TASKIN, M. TIEU, A. TORKELSON, N. J. WEED, K. UNGERLIDEN, G. BALMUS, T. BARRETT, D. C. BOLSER, K. L. DREW, D. FITZPATRICK, S. M. FREEMAN, A. C. HALLEY, G. D. HORWITZ, J. KAAS, Y. KOJIMA, M. KRASNOW, L. KRUBITZER, B. P. LEVI, J. PADBERG, J. T. TING, K. UNGERLIDEN, G. K. WILKERSON, M. YARTSEV, B. P. LELIEVELDT, C. C. SHERWOOD, K. SMITH, R. D. HODGE, E. S. LEIN, T. E. BAKKEN	Nov 15, 8am-12pm
PSTR506 - Genomic and Transcriptomic Techniques		
PSTR506.05 / VV55 - An open-source automated in situ sequencer for high-throughput and cost-effective spatial transcriptomics and barcoded connectomics	Z. MALTZER, A. ZHANG, X. CHEN	Nov 15, 8am-12pm
PSTR506.15 / WW1 - Enhancer-AAVs allow genetic access to diverse populations of astrocytes and oligodendrocytes across species	J. K. MICH, S. SUNIL, N. JOHANSEN, R. A. MARTINEZ, M. LEYTZE, B. B. GORE, J. MAHONEY, Y. KOJIMA, S. GIBSON, R. CANFIELD, N. J. WEED, V. OMSTEAD, D. MACHEN, N. TASKIN, E. L. GROCE, Y. BISHAW, X. OPITZ-ARAYA, N. DEE, J. LIU, T. CASPER, N. V. SHAPOVALOVA, D. HIRSCHSTEIN, H. ZENG, T. DAIGLE, B. TASIC, E. LEIN, J. T. TING, B. LEVI	Nov 15, 8am-12pm
PSTR507 - Biochemical and Molecular Probes for Neuronal Dynamics		
PSTR507.23 / WW29 - Optimization of genetically encoded functional indicators for in vivo imaging: GENIE Project Team updates	G. TURNER, J. P. HASSEMAN, A. AGGARWAL, B. J. ARTHUR, J. D. COX, H. FARRANTS, C. GUO, V. JAYARAMAN, I. KOLB, W. KORFF, A. K. LEE, J. LEE, L. LOOGER, J. S. MARVIN, M. PACHITARIU, K. PODGORSKI, D. REEP, M. ROZSA, E. R. SCHREITER, N. SPRUSTON, K. SVOBODA, A. G. TEBO, A. TSANG, G. TSEGAYE, T. WANG, J. ZHENG, J. ZHENG, Y. ZHANG	Nov 15, 8am-12pm
PSTR508 - Electrophysiology-Neural Networks		
PSTR508.14 / WW50 - Cranial implants for targeted brain-wide Neuropixels recordings in mice	C. BENNETT, T. RAMIREZ, B. OUELLETTE, A. CAHOON, C. GRASSO, A. WILLIFORD, R. HOWARD, B. HARDCASTLE, A. SRIDHAR, H. CABASCO, R. GILLIS, S. DURAND, E. MCBRIDE, P. A. GROBLEWSKI, S. R. OLSEN	Nov 15, 8am-12pm
PSTR515 - Neuronal Cell Fate and Differentiation		
PSTR515.02 / A16 - A multimodal 3D developing mouse brain common coordinate framework for quantitative cell census mapping	F. KRONMAN, J. K. LIWANG, R. BETTY, Y.-T. WU, S. B. MANJILA, J. MINTEER, D. SHIN, L. PUELLES, J. C. GEE, J. ZHANG, L. NG, Y. KIM	Nov 15, 1-5pm
PSTR524 - LTP and LTD: Signaling Mechanisms		
PSTR524.07 / D48 - Uncovering how activity regulates cell type-specific alternative splicing of ion channels	Y.-C. SUN, Y. QIN, B. LI, X. CHEN, R. W. TSIEN	Nov 15, 1-5pm
PSTR547 - Visual Cortex: Neuronal Population Activity and Function		
PSTR547.02 / EE8 - Automated reconstruction of local and long-range morphology of genetically defined neurons	O. GLIKO, M. MALLORY, R. DALLEY, R. GALA, J. GORNET, Y. WANG, L. ALFILER, H. ZENG, S. SORENSEN, U. SÜMBÜL	Nov 15, 1-5pm
PSTR555 - Stress-Modulated Pathways: Motivational Drive Circuits		
PSTR555.17 / LL22 - Do synaptic input distributions from different brain regions onto mPFC differ between stress susceptible and resilient mice?	T. SOLAKOGLU, S. ERDENER, O. GLIKO, A. CAN, U. SÜMBÜL, E. EREN-KOCAK	Nov 15, 1-5pm
PSTR573 - Innovations in Surgical, Histological, and Behavioral Approaches		
PSTR573.12 / WW59 - Novel brain clearing for molecular and morphological profiling of neurons and circuits at brain-wide scales	K. J. CAO, N. OUELLETTE, M. LOGSDON, J. BAKA, A. GLASER, J. CHANDRASHEKAR	Nov 15, 1-5pm