

Session Number	Poster Board Number	Presentation Number	Presentation Title	Presentation Start	Presentation End	Author First Name	Author Last Name
Saturday, November 11, 2017							
90	UU28	90.2	Enhanced glass pipette micro-electrodes for multi-modal electrophysiology	1:00 PM	5:00 PM	David	Hunt
Sunday, November 12, 2017							
174	UU31	174.1	Nervous system-wide single cell RNA-seq of the Drosophila larva	8:00 AM	12:00 PM	Benjamin	Cocanougher
144	EE10	144.23	RVM GABAergic neurons command enkephalinergic spinal neurons to control mechanical pain	8:00 AM	12:00 PM	Amaury	Francois
156	LL9	156.06	A novel visual assay for escape behavior in Drosophila	8:00 AM	12:00 PM	David	Goodman
232	FF8	232.1	Birthtime-related hierarchical organization among descending neurons in larval zebrafish	1:00 PM	5:00 PM	Masashi	Tanimoto
Monday, November 13, 2017							
291	H3	291.12	Investigating the mechanisms of claustrum-cortical connectivity	8:00 AM	12:00 PM	Jesse	Jackson
312	DD31	312.12	Large-scale imaging and functional parcellation of mouse visual cortex	8:00 AM	12:00 PM	Ming	Hu
285	C20	285.16	Rapid tissue dynamics during the formation of a mammalian central synapse	8:00 AM	12:00 PM	Dakota	Jackson
313	EE4	313.02	Descending interneurons controlling visually-evoked escape in Drosophila	8:00 AM	12:00 PM	Martin	Peek
342	VV34	342.21	The Janelia MouseLight Database: Complete axonal reconstructions from hundreds of individual long-range projecting neurons	8:00 AM	12:00 PM	Johan	Winnubst
313	EE5	313.03	Looming sensitivity in Drosophila visual projection neurons	8:00 AM	12:00 PM	Nathan	Klapoetke
313	EE6	313.04	Control of landing in Drosophila	8:00 AM	12:00 PM	Jan	Ache
313	EE7	313.05	A cell type specific driver line library targeting wing motor circuits in the ventral nerve cord of Drosophila	8:00 AM	12:00 PM	Erica	Ehrhardt
313	EE8	313.06	An apparatus for automated, high-throughput, and detailed assessment of individual Drosophila free behavior	8:00 AM	12:00 PM	Wallace	Williamson
282	A7	282.07	Hox genes are essential for the diversification and connectivity of spinocerebellar tract neurons	8:00 AM	12:00 PM	Myungin	Baek
318	HH25	318.08	Systematic identification of ocellar ganglion interneurons and their projections in the brain of Drosophila melanogaster	8:00 AM	12:00 PM	Jens	Goldammer
401	HH20	401.01	Selective synaptic contacts promote retinotopic detection of visual looming in the Drosophila central brain	1:00 PM	5:00 PM	Michael	Reiser
407	LL13	407.12	Transcranial laser scanning photostimulation and video motion tracking for optogenetic cortical motor mapping of mouse corticospinal neurons	1:00 PM	5:00 PM	Laurie	Lambot
436	WW29	436.13	An axon-targeted GCaMP sensor for In vivo imaging of distal and local axons in mammalian cortex	1:00 PM	5:00 PM	Gerard	Broussard
418	RR30	418.14	Distinguishing movement from prediction signals in midbrain dopamine neurons during Pavlovian acquisition	1:00 PM	5:00 PM	Luke	Coddington
401	HH21	401.02	A visual projection neuron class links the detection of translational motion to the control of forward walking	1:00 PM	5:00 PM	Matthew	Isaacson
407	LL23	407.22	Clustering of dendritic activity during decision making	1:00 PM	5:00 PM	Aaron	Kerlin
378	J1	378.24	Reconstructing circuit development in the zebrafish embryonic spinal cord at the single-cell level	1:00 PM	5:00 PM	Yinan	Wan

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407	LL28	407.27	Models for short-term memory in a motor preparation task	1:00 PM	5:00 PM	Lorenzo	Fontolan
401	HH22	401.03	Simple integration of inputs computes directional selectivity in Drosophila	1:00 PM	5:00 PM	Eyal	Gruntman
377	F11	377.05	Voltage-dependence of spatial coding in hippocampal pyramidal neurons supported by persistent sodium current	1:00 PM	5:00 PM	Ching-Lung	Hsu
401	HH24	401.05	Electron microscopy-based reconstruction of the motion information processing circuits in the fruit fly brain	1:00 PM	5:00 PM	Kazunori	Shinomiya
401	HH25	401.06	Comprehensive connectome of the fly's visual and olfactory circuits using FIBSEM	1:00 PM	5:00 PM	Shin-ya	Takemura
401	HH27	401.08	Flight control and color vision in Drosophila	1:00 PM	5:00 PM	Kit	Longden
402	II1	402.08	Distinct patterns of stimulus selectivity, spontaneous activity, and connectivity of L6 callosal projection and thalamic projection neurons in primary visual cortex of the awake mouse	1:00 PM	5:00 PM	Yajie	Liang
377	G3	377.09	Behavioral timescale synaptic plasticity underlies place selectivity in CA1	1:00 PM	5:00 PM	Christine	Grienberger
Tuesday, November 14, 2017							
460	B10	460.1	Dual origin of enteric neurons in vagal schwann cell precursors and the sympathetic neural crest	8:00 AM	12:00 PM	Isabel	Espinosa Medina
473	J6	473.1	Dynamics of transcription and transport of labeled-endogenous Arc mRNA in live neurons	8:00 AM	12:00 PM	Hyungseok	Moon
473	DP04/J7	473.11	A transgenic mouse for visualizing dynamics of endogenous Arc (Arg3.1) mRNA in hippocampal neurons	8:00 AM	12:00 PM	Sulagna	Das
474	K10	474.12	Retroaxonal barrage firing in neuropeptide Y interneurons in hippocampus and cerebral cortex	8:00 AM	12:00 PM	Tara	Deemyad
490	CC29	490.12	Neural signatures of dynamic stimulus selection in Drosophila	8:00 AM	12:00 PM	Yi	Sun
532	WW33	532.16	Efficient deformable alignment of large EM image volumes: A matrix solver approach	8:00 AM	12:00 PM	Khaled	Khairy
532	WW38	532.21	WAVESURFER, a freely available data acquisition, signal generation, and device control software package for experimental neuroscience	8:00 AM	12:00 PM	John	Barrett
522	UU26	522.23	Circuit mechanism of long term memory consolidation in Drosophila	8:00 AM	12:00 PM	Ugur	Dag
523	UU60	523.28	The statistics of hippocampal CA1 place field activity in large virtual environments	8:00 AM	12:00 PM	Jae Sung	Lee
523	UU35	523.03	Gating and scaling of the head-direction signal by angular velocity	8:00 AM	12:00 PM	Arseny	Finkelstein
465	C54	465.08	Characterization and utilization of PhotoActivatable Nicotine (PA-Nic) for interrogation of the subcellular expression patterns of nicotinic acetylcholine receptors (nAChRs)	8:00 AM	12:00 PM	Matthew	Arvin
473	DP03/J5	473.09	Ribosome intersubunit FLIM-FRET to detect ribosome assembly in dendrites	8:00 AM	12:00 PM	Young	Yoon
584	CC12	584.11	Precisely-timed feedback inhibition in the barrel cortex	1:00 PM	5:00 PM	Jianing	Yu
558	C29	558.12	Synaptically-induced slow inward currents mediated by pannexin-1 in CA3 pyramidal neurons	1:00 PM	5:00 PM	Marisol	Soula
616	UU18	616.16	Context-dependent encoding of sensory cues in the hippocampus during virtual navigation	1:00 PM	5:00 PM	Xinyu	Zhao
621	VV39	621.09	Quantitative mrna imaging throughout the entire Drosophila brain	1:00 PM	5:00 PM	Xi	Long

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Wednesday, November 15, 2017							
697	NN32	697.12	Function dissection of neural circuitry in paraventricular hypothalamus	8:00 AM	12:00 PM	Shengjin	Xu
686	DP06/HH1	686.14	A fundamental circuit mechanism underlying sequences of behavioral actions in Drosophila courtship	8:00 AM	12:00 PM	Claire	McKellar
717	VV35	717.03	Causal mapping of brainwide dynamics by activity-targeted circuit perturbation	8:00 AM	12:00 PM	Nikita	Vladimirov
689	II11	689.04	Distinct roles of substantia nigra projection neurons in controlling orienting movements	8:00 AM	12:00 PM	Elizabeth	Stubblefield
710	TT48	710.07	Calcium imaging in tethered behaving honeybees	8:00 AM	12:00 PM	Martina	Held
710	TT49	710.08	How the ultrastructure of the fly compass circuit shapes its dynamics	8:00 AM	12:00 PM	Saba	Ali
720	DP14/WW4	720.08	Network models of zebrafish whole-brain cell-resolution dynamics	8:00 AM	12:00 PM	Mikail	Rubinov
689	II16	689.09	Integrated basal ganglia pathway activity controls execution during reaching and freely moving behavior	8:00 AM	12:00 PM	Eric	Yttri
710	TT50	710.09	Understanding neural activity and behavior during visual learning in Drosophila	8:00 AM	12:00 PM	Chuntao	Dan
773	CC24	773.01	Functional analysis of an inhibitory microcircuit in the Drosophila mushroom body calyx	1:00 PM	5:00 PM	Martin	Brill
778	GG13	778.01	Genetic dissection of locomotor neural circuits in Drosophila melanogaster	1:00 PM	5:00 PM	Ryo	Minegishi
812	WW15	812.13	Improved methods for marking active neuronal populations	1:00 PM	5:00 PM	Benjamien	Moeyaert
810	VV83	810.14	Towards understanding the distribution and function of ER-shaping proteins in neurones	1:00 PM	5:00 PM	Jonathon	Nixon-Abell
748	C57	748.02	Large-scale synapse annotation of a FIB-SEM dataset uncovers a novel arrangement of reciprocal axo-axonic synapses in the Drosophila mushroom body	1:00 PM	5:00 PM	Patricia	Rivlin
773	CC25	773.02	Randomness versus order in the mushroom body of Drosophila melanogaster	1:00 PM	5:00 PM	Zhihao	Zheng
809	VV46	809.04	Optogenetic, transient-sensing and chemogenetic mouse models available from The Jackson Laboratory	1:00 PM	5:00 PM	Jason	Beckwith
814	WW46	814.09	Confirms: Creating optimized networks for informing reconstruction metrics and science	1:00 PM	5:00 PM	William	Gray Roncal