

Poster #	Presenter	Affiliation	Title
1	Thomas M Keck	Rowan	Mycobacterium vaccae immunization for cocaine addiction and relapse
2	David Devilbiss	Rowan	Stress Impairment of Prefrontal and Striatal Network Function
3	Jessica Loweth	Rowan	Effects of cocaine and chronic stress exposure on neuronal activity in the basolateral amygdala
4	Ileana Soto	Rowan	Phagocytic Response in Microglia/Macrophages Correlates With Severity of Neurodegeneration and Behavioral Deficits in the NPC1nmf164 Mutant Mouse
5	Julie Ford	St Joe's	Oxytocin-Ir in the PVN and SON of Peromyscus Californicus Significantly impacts Parental Behavior
6	Katia K. Matychak	Temple	Determining T. volcanium K+ channel structure through X-ray crystallography
7	Cali FitzGerald	Temple	Aging potentiates immune challenge triggered activation of hippocampal microglia in a rodent model of delirium.
8	Arron Hall	Temple	Stress, Attention, and the Nucleus Basalis of Meynert
9	Hanna Lefebo	Temple	Chronic Stress Regulation of Cholinergic Dendritic Morphology in an Attention Circuit in Rats
10	Ankur Nahar	Temple	Characterization of Human LC8 Mouse Model.
11	Dania Giaddui	Temple	Deregulation of Wnt signaling by ethanol-regulated mir-690
12	Rose Martorana	Temple	Topography and Function of Hypocretin/Orexin in Ventral Midbrain: Relevance to Psychostimulant Addiction
13	Rachel Carpenter	Temple	Early life stress reduces drug taking behavior in male, but not female rats
14	Phillip J Huffman	Penn	Optogenetic Stimulation of Nucleus Accumbens Shell D2-containing Medium Spiny Neurons Attenuates Cocaine-Primed Reinstatement of Cocaine-Seeking Behavior
15	Glenn Doyle	Penn	A method to detect cocaine-mediated brain-specific somatic de novo LINE1 insertions
16	Dragan Vujovic	Penn	Ectopic Expression of Channelrhodopsin-2 (ChR2) in Ai32 Mouse Lines
17	Dillon McGovern	Villanova	Temporal Dynamics of Anticipated Negative Contrast
18	Kathleen Bryant	Drexel	Inactivation of ventral hippocampus projections prevents the expression of contingency-insensitive reward seeking.
19	Chidubem Eneanya	Temple	Preclinical abuse liability testing for illicit fentanyl opioid substances
20	Melissa Knouse	Penn	Effect of intra-nucleus accumbens shell infusion of the CB1 receptor antagonist AM251 on reinstatement of cocaine-seeking behavior
21	Avery Runyan	Drexel	Sex Differences in Sociability and Social Recognition after Closed Head Injury

22 Dana Lengel	Drexel	Progesterone reverses neonatal traumatic brain injury (TBI)-induced impairments in cellular and behavioral deficits during adolescence in rats
23 Pamela Alonso	Drexel	Impact of sleep-wake activity on dopamine terminal neurotransmission
24 Emily Black	Drexel	Characterization of the neurobiological and behavioral correlates of susceptibility and resilience to traumatic stress.
25 Laura Giacometti	Drexel	DREADD-mediated activation of dopaminergic neurons ameliorates mild TBI-induced depression-like behavior in the adolescent female rat
26 Eric Prouty	Drexel	Electrophysiological properties of targetspecific populations of rat dorsal raphe projection neurons
27 Aminot Oshobajo	Drexel	Respiratory deficits during sleep following unilateral cervical spinal cord injury
28 Chad Hinkle	Rowan	Colocalization of MOR1 and GAD67 in the Nucleus Accumbens of Mice
29 Olga Borodovitsyna	Rowan	Acute stress persistently alters locus coeruleus function and anxiety-like behavior in adolescent rats
30 Charles Cooper	Rowan	Functional and high-affinity binding of novel dopamine D4 receptor-selective partial agonists as pharmacological tools to study substance use disorders
31 Christopher P. Knapp	Rowan	Methylphenidate enhances specific dimensions of cognitive performance in a rodent strategy shifting assay of flexible attention
32 Daniel Farkas	Temple	Single and Combinative Effects of Cannabidiol and Beta-Caryophyllene on the Lieber-DeCarli Diet
33 Kyle Peer	Temple	Aging reduces morphine self-administration in male, but not female rats
34 Rachel Denny	Temple	Using vulnerability to traumatic stress to predict ethanol consumption in male and female rats
35 Evelyn Harrington	Temple	Adolescent nicotine exposure impairs cognitive flexibility in adulthood
36 Jacob Strupp	Temple	Alterations in prefrontal-parietal network activity as a biomarker to predict Alzheimer's disease
37 Ekta Tiwari	Temple	Monitoring selective nerve activity during bladder filling in canines.
38 Rajesh KK Sanku	Temple	Potential model of carbonic anhydrase effects on learning and memory
39 Megan Wickens	Temple	The Effect of Prefrontal GRIP Deletion on Drug-Seeking Behavior
40 Krista Connelly	Temple	SNC80, a delta opioid receptor agonist, reduces cocaine-induced increases in CRF mRNA in female rats
41 Matthew Korbor	Temple	Fentanyl, acetyl fentanyl, and other derivatives share abuse liability characteristics in a preclinical model
42 Jeffery D. Foss	Temple	The Effects of Morphine and Ethanol on Spinal Cord Injury with treatment by Cannabidiol and β -Caryophyllene
43 Samantha Eck	Temple	Early life stress has lasting effects on development and sex-specific effects on cognition in rats

44	Anna McGrath	Temple	PKMzeta knockout enhances cocaine self-administration and reinstatement through sex dependent mechanisms.
45	Cody Yokubaitis	Temple	COMBINATION CANNABINOID THERAPY IN THE TREATMENT OF ISCHEMIC STROKE IN A MOUSE PHOTO-THROMBOTIC MODEL
46	Nicolette Heinsinger	Jefferson	Exploring the EphB2-NMDA receptor interaction in spinal cord injury-induced neuropathic pain
47	Brittany Charsar	Jefferson	FOCAL OVEREXPRESSION OF BDNF PROMOTES TARGETED REINNERVATION OF PHRENIC MOTOR NEURONS AND RESTORATION OF DIAPHRAGMATIC RESPIRATORY FUNCTION AFTER CERVICAL
48	Hannah Shoenhard	Penn	Genetic analysis of sensorimotor decision-making in larval zebrafish
49	Blake Kimmey	Penn	Serotonin 2A receptor activation normalizes ethanol-induced inhibitory signaling in the ventral tegmental area following stress exposure
50	Michelle Karth	Villanova	“The effects of brain serotonin deficiency on transcriptional responses to cocaine.”
51	Melinda Karth	Villanova	The effects of brain serotonin deficiency on transcriptional responses to cocaine
52	Brian Erickson	Drexel	Lost in Space and Time: a Systematic Framework for Developing Individualized Brain-Stimulation
53	Rebecca Brindley	Rowan	The serotonin transporter maintains adrenal gland serotonin homeostasis and modulates sympathoadrenal chromaffin cell catecholamine secretion
54	Andre Deutschmann	Temple	Adolescent stress exposure impairs short-term synaptic plasticity in the Nucleus Accumbens
55	Linnet Ramos	Temple	The neuroprotective role of cannabinoid type 2 (CB2) receptors on hippocampal function and neuroinflammation in a mouse model of stroke
56	Pooja Jadiya	Temple	Genetic rescue of mitochondrial calcium efflux in Alzheimer’s disease preserves mitochondrial function and protects against neuronal cell death
57	Naoto Tanaka	Temple	Aging and an immune challenge interact to increase levels of microglial activation and cytokine-related genes and to reduce levels of BDNF and transmitter synthesis and storage-related genes.
58	Nagat Frara	Temple	Localization of neuromuscular nicotinic receptors in the functionally reinnervated canine bladder after prolonged decentralization
59	Callum Hicks, Ph.D.	Temple	The role of metabotropic glutamate 2 and 3 (mGluR2/3) receptors in the rewarding effects of the synthetic cathinone 3,4-methylenedioxypyrovalerone (MDPV)
60	Dr. Anjum Parkar	Penn	Blue light stimulation of lateral pontine parabrachial neurons depresses hypoglossal nerve activity
61	Sarah Swinford-Jackso	Penn	Epigenetic changes in sperm of cocaine-experienced sires confer cocaine resistance in male offspring
62	Zhenwei Su	Penn	Nutritive, Post-ingestive Signals Are the Primary Regulators of AgRP Neuron Activity.