NEUROSCIENCE, BEHAVIOR AND HEALTH RESEARCH FORUM POSTER SESSION

Poster #1	Sensorimotor Behavioral Testing in a Mouse Model of Subarachnoid Hemorrhage				
	Evelyn A. Bulkeley, Masayo Koide, George C. Wellman				
Poster #2	The effects of voluntary exercise or methylphenidate on learning a set-shift task during development				
	Meghan C. Eddy, Katherine J. Stansfield, & John T. Green				
Poster #3	Cerebellar Secretin Modulates Acquisition and Extinction of Eyeblink Conditioning Jason R. Fuchs, Gain M. Robinson ¹ , Anthony D. Morielli, John T. Green				
Poster #4	Infusion of pituitary adenylate cyclase-activating polypeptide (PACAP) into the bed nucleus of the stria terminalis (BNST) produces a stress response in female rats Gick, N., Edwards, S., Choi, I., Roelke, E., Lezak, K.R., Toufexis, D., Braas, K.M., May, V., Hammack, S.E.				
Poster #5	Effects of Chronic vs Cycling estrogen treatment on acquisition, retention and expression of spatial memory Olga Lipatova & Donna Toufexis				
Poster #6	Effects of Acute Nicotine Administration on Emotional Impulsivity Geoffrey J. Schaubhut, Janina K. Bowen, Emily C. Mazzulla, Sarahjane L. Dube, Alexandra S.Potter				
Poster #7	Differential Effects of Nicotine and Ritalin on Working Memory in ADHD Eli Sepkowitz, Geoffrey Schaubhut, Sarahjane Dube and Alexandra Potter				
Poster #8	Contextual control of instrumental actions vs. habits Eric A. Thrailkill & Mark E. Bouton				
Poster #9	Data-driven dynamic mapping of the brain Nicholas A. Allgaier, Hugh Garavan, Josh C. Bongard, and Christopher M. Danforth				
Poster #10	Applying Artificial Neural Networks to fMRI Data Aaron Morton, Hugh Garavan, Robert Snapp				
Poster #11	MRI T2 Measurements Post Febrile Status Epilepticus Predict Performance On An Active Avoidance Task J.M. Barry, M. Choy, C. Dube, P.P. Lenk-Santini, R.C. Scott, T.Z. Baram, G.L. Holmes				

Poster #12	Can establishing a regular meditation practice reduce college students' physiological responses to stressful testing situations and impact their social cognition Kahn, H., Raghunath, R., Calhoun, C., Lesenskyj, A., Weinert-Stein, M., Cronise, K., & Sellers, J.					
Poster #13	AZD3480, a Novel Nicotinic Receptor Agonist, for the Treatment of Attention- Deficit/Hyperactivity Disorder in Adults					
	Alexandra S. Potter, Geoffrey Dunbar, Emily Mazzulla, David Hosford, Paul A. Newhouse					
Poster #14	Getting rid of resurgence: Implications for contingency management treatments Sydney Trask, Scott T. Schepers, & Mark E. Bouton					
Poster #15	The Role of Human Histidyl-tRNA Synthetase Mutations in Human Diseases, Type IIIB Usher Syndrome and Peripheral Neuropathy Jamie Abbott, Bin Deng, Ying Wai Lam, Christopher Francklyn, and Susan Robey-Bond					
Poster #16	Identification of protein networks disrupted by a mutation in HARS Susan Robey-Bond, Julia Fields, Ying-Wai Lam and Christopher Francklyn					
Poster #17	Molecular Characterization of Plexins: Signaling Mechanisms and Developmental Expression Rachael Bassett and Bryan Ballif					
Poster #18	Endothelial and Smooth Muscle Derived Neuropilin Like Protein is Required for Proper Development of the Retina in <i>Danio rerio</i> Ryan M. Joy, Bryan A. Ballif Ph.D., Alicia M. Ebert Ph.D.					
Poster #19	A role for FGF8a in neurovasculature signaling in developing zebrafish Erin Wysolmerski, Kathyana Santiago-Mangual, Alicia Ebert					
Poster #20	Functional role for transforming growth factor-beta (TGF-β) signaling following cyclophosphamide (CYP)-induced cystitis in female rats Eric J Gonzalez, Margaret A Vizzard					
Poster #21	TRPV4 blockade reduces urinary bladder dysfunction by increasing bladder capacity and decreasing micturition frequency following RVS in male rats Liana Merrill & Margaret Vizzard					
Poster #22	Increased voiding frequency is associated with oxidative stress and ATP production in cyclophosphamide (CYP)-induced cystitis in rats A. Peterson, S. Malley, B. Girard, M. Kosofsky, D. Lambert, M.A. Vizzard					
Poster #23	Measuring Kv1.2 potassium ion channel trafficking in real time Amy Duncan-Smith and Anthony Morielli					

Poster #24	PAC1 receptor internalization is required for activation of the MEK/ERK intracellular signaling cascade in HEK 293 cells stabling expressing the PAC1 receptor Victor May, Thomas Buttolph, Beatrice A. Girard, Todd Clason, Laura A. Merriam and Rodney L. Parsons
Poster #25	Targeting the $\alpha 5$ nicotinic acetylcholine receptor (nAChR) subunit as a treatment for neuroblastoma Vanessa Ochoa, Loen Hansford, David Kaplan, and Rae Nishi
Poster #26	L-amino acid taste: Are multiple receptors involved? Shreoshi Pal Choudhuri, Rona J. Delay, and Eugene R. Delay
Poster #27	Increased asynchronous neurotransmitter release at parasympathetic major pelvic ganglion neurons in diabetic mice: Implication for altered Ca2+ homeostasis John D. Tompkins, Rodney L. Parsons
Poster #28	Fingolimod Promotes Primary Sensory Afferent Growth in Developing Chicken Embryo Michelle McNamara and Cynthia Forehand
Poster #29	A PLCy1-dependent, Force-sensitive Signaling Network in the Myogenic Constriction of Cerebral Arteries Albert L. Gonzales, Ying Yang, Michelle N. Sullivan, Lindsey Sanders, David C. Hill-Eubanks, Mark T. Nelson, and Scott Earley
Poster #30	Inhibition of nitric oxide synthase restores cerebral artery tone in a rodent model of traumatic brain injury Nuria Villalba, Tram L. Tran, Mark T. Nelson, George C. Wellman and Kalev Freeman
Poster #31	Subarachnoid hemorrhage suppresses KV1 and KV2 currents via different mechanisms in rat parenchymal arteriolar myocytes Koide M, O'Connor KP, Pappas AP, Syed AU and Wellman GC
Poster #32	ROS-dependent and -independent MMP activation leads to KV current suppression in cerebral artery myocytes after SAH Masayo Koide and George C. Wellman
Poster #33	Contribution of Rho Kinase to TRPM4-Mediated Myogenic Tone in Cerebral Parenchymal Arterioles Yao Li, Rachael L. Baylie, Matthew J. Tavares, Joseph E. Brayden
Poster #34	Impairment of Neurovascular Coupling by Chronic Stress Thomas Longden, Fabrice Dabertrand, Sayamwong E Hammack, Mark T Nelson
Poster #35	The increased amplitude of spontaneous Ca2+ events in astrocytic endfeet parallels the inversion of neurovascular coupling after subarachnoid hemorrhage

Anthony	C. Pappas	. Masavo	o Koide.	. George	C.	Wellman
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- Poster #36 TRPV4 Ca2+ sparklets in myoendothelial projections (MEPs) regulate vascular function Swapnil K. Sonkusare, Adrian D. Bonev, Thomas Dalsgaard, Luis F. Santana, Michael I. Kotlikoff, Mark T. Nelson
- Poster #37 Activation of ATP-Sensitive Potassium (KATP) Channels underlies vasodilation to PACAP, but not CGRP, in Pressurized Rat Middle Meningeal Artery
 Arsalan U. Syed, Masayo Koide, Victor May, George C. Wellman
- Poster #38 A Decade of the Journal IMPULSE: Growth and Impact
 Mansky, B., Georgakas, J., Casler, A., Kreuzman, D., Spollen, K., Cronise, K., Jones LS
- Poster #39 **COBRE NEUROSCIENCE CELL AND MOLECULAR BIOLOGY CORE FACILITY**Sheryl White, Cindy Forehand and Rodney Parsons
- Poster #40 Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) in the Amygdala: Origin and Coexpression

 May V, Missig G, Braas KM, Vizzard MA, Hammack SE
- Poster #41 The Ubiquitin Ligase Trim32 as a Regulator of Potassium Channels in the Brain Gene Cilento and Anthony Morielli