

Research where Osmotic Pumps were Used  
Society for Neuroscience  
Chicago October 5<sup>th</sup> – 7<sup>th</sup>, 2024

**Saturday October 5th, 1:00pm – 5:00pm MCP Hall A**

1:00 PM – 2:00 PM

***PSTR037.05 / K19 - Vasopressin deficiency enhances central GLP-1-mediated suppression of fluid intake in the Brattleboro rat***

\*S. A. DAVID<sup>1</sup>, D. J. BRAKEY<sup>2</sup>, M. J. PAUL<sup>1</sup>, D. DANIELS<sup>3</sup>;

<sup>1</sup>Psychology, Univ. at Buffalo, Buffalo, NY; <sup>2</sup>Biol. Sci., Univ. at Buffalo, Buffalo, NY; <sup>3</sup>Dept. of Biol. Sci. and Ctr. for Ingestive Behavior Res., Univ. at Buffalo, Buffalo, NY

**Sunday October 6th, 8:00 AM - 12:00 PM MCP Hall A**

8:00 AM - 9:00 AM

***PSTR068.05 / C129 - Sex differences in development of persistent post-surgical pain in consomic SS-13<sup>BN</sup> rats***

\*R. HORNING, C. CAHOON, L. F. FERRARI, N. TAYLOR;

Univ. of Utah, Salt Lake City, UT

9:00 AM – 10:00 AM

***LBA002.58 / LBA122 - Evaluation of the anti-inflammatory effect of Levetiracetam during chronic epilepsy***

\*L. A. PICHARDO-MACIAS<sup>1</sup>, B. V. PHILLIPS-FARFAN<sup>2</sup>, M. GARCIA-CRUZ<sup>3</sup>, S. R. ZAMUDIO<sup>4</sup>, P. V. CORREA LOPEZ<sup>5</sup>, N. CÁRDENAS-RODRÍGUEZ<sup>6</sup>, J. MENDOZA TORREBLANCA<sup>7</sup>;

<sup>1</sup>Inst. Politecnico Nacional, México, Mexico; <sup>2</sup>Nutrición Exptl., Inst. Nacional Pediatría, Mexico City, Mexico; <sup>3</sup>Inst. Nacional de Pediatría, CDMX, Mexico; <sup>4</sup>Inst. POLITÉCNICO NACIONAL, CIUDAD DE MEXICO, Mexico; <sup>5</sup>FISIOLOGÍA, Escuela Nacional de Ciencias Biológicas del IPN, México, Mexico; <sup>6</sup>Neurosci. Lab., Inst. Nacional de Pediatría, Mexico City, Mexico; <sup>7</sup>Inst. Nacional de Pediatría, Mexico, Mexico

11:00 AM - 12:00 PM

***PSTR067.20 / C117 - Abhd6 partially reversed medication overuse headache induced allodynia induced by sumatriptan***

\*A. M. BURTMAN<sup>1</sup>, M. FLOWERS<sup>2</sup>, S. A. COUTURE<sup>1</sup>, N. STELLA<sup>3</sup>, E. LIKTOR-BUSA<sup>4</sup>, T. M. LARGENT-MILNES<sup>5</sup>;

<sup>1</sup>Med. Pharmacol., Univ. of Arizona, Tucson, AZ; <sup>2</sup>Med. Pharmacol., Univ. of Arizona Col. of Med. - Tucson, Tucson, AZ; <sup>3</sup>Pharmacology/Joint Psychiatry & Behavioral Sci., Univ. Washington, Seattle, WA; <sup>4</sup>Dept. of Pharmacol., Univ. of Arizona, Tucson, AZ; <sup>5</sup>Pharmacol., Univ. of Arizona, Tucson, AZ

**Monday October 7th, 8:00 AM – 12:00 PM MCP Hall A**

8:00 AM – 9:00 AM

***PSTR163.05 / D49 - Effect of Rolipram-loaded P<sub>g</sub>P Nanoparticles on Motor Function and Secondary Injury in Male and Female Rat Contusion SCI Model***

\*Z. LIAO<sup>1</sup>, C. E. JONES<sup>1</sup>, B. ELLIOTT<sup>1</sup>, M. R. DETLOFF<sup>2</sup>, K. WEBB<sup>1</sup>, J. LEE<sup>1</sup>;

<sup>1</sup>Bioengineering, Clemson Univ., Clemson, SC; <sup>2</sup>Neurobio. & Anat., Drexel Univ. Col. of Med., Philadelphia, PA

***PSTR166.13 / F12 - Alterations in Anterior Cingulate Cortex Circuits by Inflammatory and Migraine-like Pain***

\*M. WALICKI<sup>1</sup>, W. BIRDSONG<sup>2</sup>;

<sup>1</sup>Univ. of Michigan Neurosci. Grad. Program, Ann Arbor, MI; <sup>2</sup>Pharmacol., Univ. of Michigan, Ann Arbor, Ann Arbor, MI

11:00 AM - 12:00 PM

***PSTR183.28 / O1 - Adolescent nicotine exposure alters adult dendritic complexity and spine density of prefrontal cortex subregions based on genetic background***

\*A. TISCHER, C. NOVOA, T. J. GOULD;

Biobehavioral Hlth., The Pennsylvania State Univ., University Park, PA

**Monday October 7th, 1:00 PM – 5:00 PM MCP Hall A**

1:00 PM - 2:00 PM

***LBA006.25 / LBA22 - Acute minocycline treatment attenuates physical withdrawal symptoms but does not impact later cognitive development in rat model of neonatal opioid withdrawal syndrome (NOWS)***

\*S. L. MILLS-HUFFNAGLE<sup>1</sup>, T. MCFADDEN<sup>1</sup>, O. LOWDEN<sup>2</sup>, R. SERPA<sup>1</sup>, E. TUFANO<sup>1</sup>, \*J. E. NYLAND<sup>1</sup>;

<sup>1</sup>Penn State Col. of Med., Hershey, PA; <sup>2</sup>The Pennsylvania State Univ., University Park, PA

3:00 PM - 4:00 PM

***PSTR248.11 / V22 - Spatial memory impairment in anti-NMDAR encephalitis mouse model: neuronal-glia mechanisms and electrophysiological insights***

\*H. YUCEER KORKMAZ<sup>1,2,3</sup>, V. YILMAZ<sup>1</sup>, E. TUZUN<sup>1</sup>, S. HUSSAINI<sup>2,3</sup>;

<sup>1</sup>Aziz Sancar Inst. of Exptl. Medicine, Dept. of Neurosci., Istanbul Univ., Istanbul, Turkey; <sup>2</sup>Taub Inst. for Res. on Alzheimer's Dis. and the Aging Brain, <sup>3</sup>Dept. of Pathology and Cell Biol., Columbia Univ. Irving Med. Ctr., New York, NY

4:00 PM - 5:00 PM

***LBA006.56 / LBA52 - Testosterone metabolite, 6beta-hydroxytestosterone generated by cytochrome P450 1B1 promotes angiotensin II-induced hypertension and neuroinflammation via 12/15-lipoxygenase activation in the paraventricular nucleus***

\*S. R. DUTTA<sup>1</sup>, P. SINGH<sup>2</sup>, C. SONG<sup>2</sup>, J. SHIN<sup>2</sup>, K. U. MALIK<sup>2</sup>;

<sup>1</sup>Pharmacol, Univ of Tennessee Hlth Sci Ctr Neurosci Inst, Memphis, TN; <sup>2</sup>Pharmacology, Addiction Sci and Toxicol, Univ of Tennessee Hlth Sci Ctr, Memphis, TN;

Research where Osmotic Pumps were Used  
Society for Neuroscience  
Chicago October 8<sup>th</sup>, 2024

Tuesday October 8th, 8:00 AM - 12:00 PM MCP Hall A

8:00 AM – 9:00 AM

***PSTR300.05 / O10 - Modeling opioid maintenance treatment in Oprm1-Cre knock-in rats: effect of chronic buprenorphine on context-induced reinstatement of heroin seeking***

\*J. M. BOSSERT, K. E. CALDWELL, H. BONBREST, K. NEGISHI, R. MADANGOPAL, Y. SHAHAM;  
NIH, NIDA, IRP, Baltimore, MD

9:00 AM – 10:00 AM

***PSTR263.22 / B55 - Unraveling the Impact of Preeclampsia: Insights into Offspring Memory and Sex-Specific Glial Cell Dynamics***

\*D. BRUMMOND<sup>1</sup>, Y. LIU<sup>1</sup>, O. BUNTON<sup>1</sup>, E. JANKY<sup>1</sup>, D. G. SCROGGINS<sup>1</sup>, D. H. HECK<sup>1</sup>, \*S. M. SCROGGINS<sup>2</sup>;  
<sup>1</sup>Biomed. Sci., Univ. of Minnesota Med. Sch. Duluth Campus, Duluth, MN; <sup>2</sup>Biomedical Sci., Univ. of Minnesota Duluth Campus, Duluth, MN

Tuesday October 8th, 1:00 PM – 5:00 PM MCP Hall A

2:00 PM – 3:00 PM

***PSTR369.02 / V31 - Rapamycin, A Calorie Restriction Mimetic for the Treatment of Alzheimer's Disease: A Preclinical Investigation***

\*V. BENADE<sup>1</sup>, P. JAYARAJAN<sup>1</sup>, N. KRISHNADAS<sup>2</sup>, R. NIROGI<sup>1</sup>;  
<sup>1</sup>Suven Life Sci. Ltd, Hyderabad, India; <sup>2</sup>Manipal Acad. of Higher Educ., Manipal, India

3:00 PM – 4:00 PM

***PSTR328.03 / B109 - Small Molecule Mediator of Synaptic Plasticity & Memory Consolidation Against Aβ<sub>42</sub> Oligomeric Toxicity***

\*R. ROY<sup>1</sup>, S. GHOSH<sup>1</sup>, N. MUKHERJEE<sup>2</sup>, S. GHOSH<sup>1</sup>;  
<sup>1</sup>Biosci. & Bioengineering, <sup>2</sup>IDRP-Smart Healthcare, Indian Inst. of Technol. Jodhpur, Jodhpur, India

4:00 PM – 5:00 PM

***PSTR452.08 / C157 - Chronic resveratrol infusion to the lateral periaqueductal gray via stereotaxic microcannulation augments ultrasonic vocalizations and reduces inflammation in male Pink1<sup>-/-</sup> rats***

S. A. LECHNER, M. HAMZA, D. G. S. BARNETT, \*C. A. KELM-NELSON;  
Surgery, Univ. of Wisconsin Madison, Madison, WI