

Neuroscience Research Evening
Pre-SfN Data Blitz
Wednesday, Nov. 8, 5:30-7:30
Biomedical Sciences Atrium

- 1. Closed loop intraspinal stimulation to restore respiratory muscle activity**
Authors: Michael Sunshine, Elisa J Gonzalez-Rothi, Paul J Reier, David D Fuller
- 2. Pharmacological targeting of the striatal indirect basal ganglia pathway neurons improves subthalamic nucleus dysfunction and treats repetitive and compulsive behaviors in mice**
Authors: Amber M. Muehlmann, Kathryn Boswell, Michael A. King, Mark H. Lewis
- 3. Role of prostaglandin D2 DP1 receptor on post-stroke sleep disturbance and stroke outcomes**
Authors: Abdullah Shafique Ahmad, Pradip Kumar Kamat, Damian Hernandez, Sylvain Dore
- 4. Optogenetic inactivation of basolateral amygdala in young rats recapitulates aged rats' ability to delay gratification in an intertemporal choice task**
Authors: Caesar M. Hernandez, Caitlin A. Orsini, Joseph A. McQuail, Chase Labiste, Alexa-Rae Wheeler, Tyler Ten Eyck, Sarthak Singh, Sara N Burke, C. Jason Frazier, Barry Setlow, Jennifer L Bizon.
- 5. Acute intermittent hypoxia increases respiratory drive in normal humans**
Authors: Shakeel Ahmed, Tommy Sutor, Elaleh Sajjadi, Gordon Mitchell and Danny Martin
- 6. Immunotherapeutic targeting of Corticotropin Releasing Hormone in Alzheimer's Disease**
Authors: H.S. Futch, B.D. Moore, P.E. Cruz, T.B. Ladd, V.Q. Truong, P. Chakrabarty, Y. Levites, T.E. Golde
- 7. Hyperbaric oxygen therapy following mid-cervical spinal contusion**
Authors: Sara Turner, Michael Sunshine, Cassandra Schuster, Ashley Smuder, and David Fuller.
- 8. Sex and estrous cycle effects on the attenuation of cue-primed reinstatement of cocaine-seeking by ceftriaxone**
Authors: Allison R. Bechard, Peter U. Hamor, Marek Schwendt, Lori A. Knackstedt.
- 9. Connectivity changes after cognitive training in young and aged rats**
Authors: Luis M. Colon-Perez, Sean Turner, Katelyn Lubke, Sarah Burke, and Marcelo Febo
- 10. Age-related changes in the perirhinal-hippocampal-prefrontal cortical circuit: evidence for neural compensation in aged rats**
Authors: Abbi Hernandez, Leah Truckenbrod, Jordan E. Reasor, Kaeli E. Fertal, Andrew P. Maurer, Sara N. Burke
- 11. Inhibitory cross-talk between competing mechanisms of phrenic motor facilitation**
Authors: Raphael Perim, Daryl Fields and Gordon Mitchell
- 12. Prion-like amyloid seeding from Alzheimer's disease and Pathological aging brain lysates**
Authors: Moore BD, Fromholt S, Borchelt D
- 13. Regulation of risky decision making by gonadal hormones**
Authors: Shelby L. Blaes, Caitlin A. Orsini, Jennifer L. Bizon, and Barry Setlow
- 14. AAV9 and the tongue motor system**
Authors: Brendan Doyle, Sara Turner, Michael Sunshine, Darin Falk, Barry J Byrne. David D Fuller

- 15. Testing the effect of retention in endoplasmic reticulum (RER1) on synucleinopathy in a mouse model of Parkinsonism**
Authors: M. S. Parmar, H.-J. Park, D. Ryu, K. N. Mcfarland, J. Joseph, R. Foels, L. Powell, S. Anagnostis, N. R. Mcfarland.
- 16. Optogenetic excitation of neurons in the prefrontal cortex that express oxytocin receptors eliminates preference for social novelty in male mice**
Authors: Yalun Tan¹, Sarthak Singhal¹, Helmut Hiller¹, Scott Harden¹, Dan-Tam Nguyen¹, Luis M. Colon-Perez², Marcelo Febo², Lei Wang¹, Karlena M. Cahill¹, Annette D. de Kloet³, Charles J. Frazier¹, Eric G. Krause¹
- 17. Prostaglandin E2 EP1 receptor promotes hematoma clearance by regulating microglial CD36 receptor**
Authors: Bo Ma, Harrison Phillips; Kristina Goodwin, Sylvain Doré,
- 18. Basal lateral amygdalar glutamatergic mGluR5 mRNA expression as a molecular feature for resilience to predator-odor trauma in rats**
Authors: John Shallcross, Marek Schwendt, Lori Knackstedt
- 19. Plasticity in Cervical Spinal Interneurons**
Authors: Kristi A Streeter, Michael D Sunshine, S Patel S, Paul J Reier, David M Baekey, David D Fuller
- 20. Modification of perineuronal nets following implantation of intracortical neural interface devices**
Authors: J. B.Graham, J. Gaire, E. Atkinson, K. J. Otto
- 21. Rab8a expression mitigates alpha-synuclein toxicity in a rat model of Parkinsonism**
Authors: N. R. Mcfarland, M. S. Parmar, H.-J. Park, D. Ryu, L. Powell, R. Foels, S. Anagnostis, M. Herring
- 22. Characterization and application of a quadruple labelled mouse line**
Authors: J. Gaire, H. Lee, R. Ward, S. Currin, WE Atkinson, A. Woolley, J.E. Coleman, K.J. Otto
- 23. Hippocampal circuit contributions to discrimination of perceptually similar stimuli**
Authors: Sarah A. Johnson, Sean M. Turner, Kaeli E. Fertal, Lindsay A. Santacrose, Jennifer L. Bizon, Andrew P. Maurer, Sara N. Burke
- 24. Role of the haptoglobin-CD163 scavenging system in intracerebral hemorrhage**
Authors: CM Li, JL Leclerc, S Doré