

A&N GRADUATE STUDENTS

Posters at SfN 2022

Saturday, November 12

Nov. 12, 2022, 1:00 PM - 5:00 PM

[033.21 - Exacerbated novelty-induced hyperlocomotion and increased neuronal activity in the dentate gyrus upon GluA1 carboxyl-terminal domain truncation](#)

*A. V. KOLLI, G. SANDOVAL, K. V. SOLORIO, V. A. VERA, M. SANDOVAL, J. DÍAZ-ALONSO;
Anat. and Neurobio., Univ. of California, Irvine, Irvine, CA

Sunday, November 13

Nov. 13, 2022, 8:00 AM - 12:00 PM

[140.08 - A novel GABAergic CRH-expressing projection from basolateral amygdala to the nucleus accumbens](#)

*Y. CHEN¹, M. BIRNIE¹, A. K. SHORT¹, G. DE CARVALHO², J. DAGLIAN¹, L. Y. CHEN², X. XU², T. Z. BARAM³;

¹Pediatrics, ²Anat. & Neurobio., ³Pediatrics, Anat. & Neurobio., Univ. of California-Irvine, Irvine, CA

Nov. 13, 2022, 1:00 PM - 5:00 PM

[188.05 - Exploring novel extracellular signaling mechanisms regulating AMPAR trafficking and trans-synaptic localization](#)

*G. SANDOVAL, J. DIAZ-ALONSO;

Anat. and Neurobio., Univ. of California, Irvine, Irvine, CA

Nov. 13, 2022, 1:00 PM - 5:00 PM

[203.08 - Greater hyperperfusion immediately following resuscitation from cardiac arrest is associated with worse neurological outcome](#)

*S. HAN¹, A. BAZRAFKAN², M. RAFI², N. MAKI², S. DARA², A. LIU², J. MARTIN², Y. AKBARI^{2,3,1};

¹Anat. and Neurobio., ²Neurol., ³Beckman Laser Inst., Univ. of California-Irvine, Irvine, CA

Nov. 13, 2022, 1:00 PM - 5:00 PM

[234.06 - Early life adversity alters sensitivity to motivational value of reward in an instrumental learning paradigm](#)

*S. KHOJA, G. D. CARVALHO, L. Y. CHEN;

Anat. & Neurobio., Univ. of California, Irvine, Irvine, CA

Monday, November 14

Nov. 14, 2022, 8:00 AM - 12:00 PM

[271.10 - Marked differences in signal processing across nodes of the hippocampal circuit](#)

*J. QUINTANILLA, B. G. GUNN, J. C. LAUTERBORN, A. A. LE, C. M. GALL, G. LYNCH;
Anat. and Neurobio., Univ. of California, Irvine, Irvine, CA

Nov. 14, 2022, 8:00 AM - 12:00 PM

[312.22 - The paraventricular nucleus of the thalamus contributes to early-life adversity-induced disruptions in reward-related behaviors](#)

*C. L. KOOIKER, M. T. BIRNIE, Y. CHEN, Q. DING, T. Z. BARAM;
Univ. of California, Irvine, Univ. of California, Irvine, Irvine, CA

Nov. 14, 2022, 8:00 AM - 12:00 PM

[322.11 - Impaired associative memory encoding in the lateral entorhinal cortex of amyloid precursor protein knock-in mice](#)

*T. NAKAGAWA, J. XIE, M. SAVADKOHI, J. Y. LEE, H. JUN, K. M. IGARASHI;
Dept. of Anat. and Neurobio., Univ. of California, Irvine, Irvine, CA

Nov. 14, 2022, 1:00 PM - 5:00 PM

[398.10 - A novel cell-specific pathway mediates reward deficits following early-life stress](#)

*M. BIRNIE, A. K. SHORT, G. B. DE CAVALHO, B. G. GUNN, A. L. PHAM, C. A. ITOGA, X. XU, L. Y. CHEN, S. V. MAHLER, Y. CHEN, T. Z. BARAM;
Univ. of California-Irvine, Univ. of California-Irvine, Irvine, CA

Tuesday, November 15

Nov. 15, 2022, 1:00 PM - 5:00 PM

[525.17 - Region and cell type specific deletion of neurexin-2 causes spontaneous recurrent seizures and ASD-like behavior impairments](#)

*M. HAILE¹, G. DE CARVALHO², L. Y. CHEN²;
¹Anat. and Neurobio., Univ. of California Irvine, Irvine, CA; ²Anat. and Neurobio., Univ. of California, Irvine, Irvine, CA

Nov. 15, 2022, 1:00 PM - 5:00 PM

[539.14 - Combination of biomaterial bridge implantation and interleukin-10 expression to modulate the inflammatory response and promote neural regeneration and connectivity after spinal cord injury](#)

*U. NEKANTI¹, A. ZAHEDI¹, P. SAKTHIVEL¹, R. NISHI¹, Z. GUO¹, X. LIN¹, N. HERNANDEZ¹, X. CHEN², C. M. DUMONT³, J. MARTINEZ¹, B. J. CUMMINGS¹, L. SHEA⁴, X. XU¹, A. J. ANDERSON¹;

¹Univ. Of California, Irvine - Interdepartmental Neurosci. Program, IRVINE, CA; ²Univ. of California, Riverside, Riverside, CA; ³Univ. of Miami, Coral Gables, FL; ⁴Univ. of Michigan, Ann Arbor, MI

Nov. 15, 2022, 1:00 PM - 5:00 PM

[573.05 - Projection-specific retrosplenial cortex circuits and the transformation of spatial cognition to action](#)

*X. LIN¹, M. AMALRAJ², N. M. L. HA², B. AVILA², D. A. NITZ³, X. XU⁴;

¹Univ. of California Irvine, Univ. of California Irvine, Irvine, CA; ²Univ. of California, Irvine, Irvine, CA; ³Univ. of California San Diego, La Jolla, CA; ⁴Anat. and Neurobio., Univ. California, Irvine, Irvine, CA

Wednesday, November 16

Nov. 16, 2022, 8:00 AM - 12:00 PM

[623.13 - Novel C1q-Receptor Interactions as Regulators of Microglial Polarization](#)

*P. SAKTHIVEL¹, A. J. ANDERSON²;

¹Anat. and Neurobio., ²Physical Med. and Rehabil., Univ. of California, Irvine, Irvine, CA

Nov. 16, 2022, 8:00 AM - 12:00 PM

[626.19 - Brain-wide reconstruction of inhibitory circuits after traumatic brain injury](#)

*A. TIERNO, J. C. FRANKOWSKI, S. PAVANI, Q. CAO, D. C. LYON, R. F. HUNT;

Univ. of California, Irvine, Irvine, CA

Nov. 16, 2022, 1:00 PM - 5:00 PM

[693.13 - De novo growth of mature dentate gyrus granule cells following PTEN deletion is dependent on sustained mTOR activation and triggers new synapse formation by input pathways with intact PTEN expression](#)

*J. M. YONAN¹, O. STEWARD²;

¹Univ. of California Irvine, Univ. of California, Irvine, Irvine, CA; ²Reeve-Irvine Res. Center, Univ. of California Irvine, Irvine CA, CA

Nov. 16, 2022, 1:00 PM - 5:00 PM

[694.05 - An Analysis of Throughput Across the Primary Hippocampal Circuit](#)

*C. YANG¹, J. QUINTANILLA², B. PRUESS³, C. M. GALL⁴, G. LYNCH⁵, B. G. GUNN²;

¹UCI, Univ. of California, Irvine Med. Ctr., Irvine, CA; ³Anat. and Neurobio., ²Univ. of California, Irvine, Irvine, CA; ⁴Dept. of Anat. and Neurobio., Univ. of California at Irvine, Irvine, CA; ⁵Univ. California, Irvine, Irvine, CA

Nov. 16, 2022, 1:00 PM - 5:00 PM

[743.20 - Immunolabeling-compatible PEGASOS tissue clearing for high-resolution whole mouse brain imaging](#)

*P. GAO¹, L. CHEN², X. XU³;

¹Pan Gan, UC Irvine, Irvine, CA; ²Dept. of Anat. and neurobiology, Univ. of California Irvine, Irvine, CA; ³Anat. and Neurobio., Univ. California, Irvine, Irvine, CA