

Selected Posters

November 4, Sunday

173.04: Changes in ventral horn networks when cocultured with astrocytes or striated muscle
A. Tharaneetharan, M. A. Harrington

Presentation: 11:00AM - 12:00 PM

November 5, Monday

285.06: Distinct patterns of long-term potentiation within the hippocampal CA1 stratum radiatum
T. L. Fong, J. S. Thacker, Y. Xu, B. Laird, J. G. Mlielke

Presentation: 9:00AM - 10:00 PM

372.13: Age-related cognitive impairment: Role of reduced synaptobrevin-2 levels in the decline of learning and memory

A. Orock, S. Logan, F. Deak

Presentation: 1:00PM-2:00PM

November 6, Tuesday

437.07: Small molecule targeting of the p75 receptor inhibits tau oligomer formation and tau oligomer-induced synaptic impairment

F. M. Longo

Oral presentation at 10:15-10:35AM

571.11: Drug induced pain responses in human iPSC derived sensory neurons using MEA system

A. Odawara, N. Shuhej, M. Naoki, I. Suzuki.

Presentation: 3:00PM - 4:00 PM

November 7, Wednesday

700.05: Drug-induced seizure activities depending on the ratio of excitatory / inhibitory neurons in cultured human iPSC-derived neurons

R. Yokoi, N. Matsuda, Y. Ishibasi, A. Oddawara, I. Suzuki

Presentation: 8:00AM -9:00AM

652.29: Molecular mechanisms of astrocyte-neuron interactions in the development of synchronized activity in neuronal networks

G. Guevara, K R. Sanchez, J. Sun, M. A. Harrington, M. Temburni

Presentation: 8:00AM -9:00AM

Selected Posters

November 7, Wednesday

700.02: Evaluation of convulsant-induced firings in cultured human iPS cell-derived neurons using principal component analysis

Y. Ishibashi, A. Odawara, A. Okamura, K. Kinoshita, T. Shirakawa, I. Suzuki

Presentation: 9:00AM - 10:00AM

700.06: Real-time measurement of dopamine release in cultured human iPS cell-derived dopaminergic neurons using carbon nanotube MEA system

S. Noji, N. Matsuda, A. Odawara, I. Suzuki

Presentation: 9:00AM - 10:00AM

700.10: A high throughput acute slice micro-electrode array assay for toxicology screening

G. Cheng, S. Noji, S. Yasuoka, R. Arant, M. Trujillo, I. Suzuki

Presentation: 9:00AM - 10:00AM

700.07: Trial for drug-induced seizure liability evaluation using microelectrode array and primary rodent neurons: Multi-site pilot study of HESI NeuToxMEA subteam

N. Mliyamoto, A. Ojima, S. Inaba, T. Yoshinaga

Presentation: 10:00 - 11:00

657.16: Early synaptic dysfunction in the hippocampus of Q175FDN Huntington's disease mice

A. S. Ravalia, J. Y. Lar, J. G. Qurion, M. P. Parsons

Presentation: 11:00 - 12:00

700.04: Analysis of convulsant-induced firings in cultured human iPS cell-derived neurons using deep learning

N. Matsuda, A. Odawara, A. Okamura, K. Kinoshita, T. Shirakawa, I. Suzuki

Presentation: 11:00 - 12:00

700.08: The evaluation of drug-induced seizure activities using MEA system in cultured human iPSC-derived neurons : Pilot study of HESI NeuTox MEA subteam

I. Suzuki, A. Odawara, N. Matsuda, Y. Ishibashi

Presentation: 11:00 - 12:00

657.16: Title: Early synaptic dysfunction in the hippocampus of Q175FDN Huntington's disease mice

A. S. Ravalia, J. Y. Lau, J. G. Qurion, M. P. Parsons

Presentation: 11:00AM - 12:00AM

740.02: Early changes in NMDA receptor synaptic activity in the 5XFAD Alzheimer's disease mouse model

F. Nigussie, A. M. Reese, A. D. Hoff, K. R. Magnusson