**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. Mielke  
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  
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  
Presentation: 8:00AM -9:00AM

652.29: Molecular mechanisms of astrocyte-neuron interactions in the development of synchronized activity in neuronal networks  
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
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
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. Miyamoto, A. Ojima, S. Inaba, T. Yoshinaga
Presentation: 10:00AM - 11:00AM

657.16: 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

700.04: Analysis of convulsant-induced firings in cultured human iPS cell-derived neurons using deep learning
Presentation: 11:00AM - 12:00AM

700.08: The evaluation of drug-induced seizure activities using MEA system in cultured human iPSC-derived neurons: Pilot study of HESI NeuToxMEA subteam
I. Suzuki, A. Odawara, N. Matsuda, Y. Ishibashi
Presentation: 11:00AM - 12:00AM

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