

## Presentations involving NEURON at the November 2021 SFN meeting

Please let us know if we missed anything that involved NEURON!

SessionStart	Abst #	Title	FirstName	LastName
11/9/2021 8:30AM	P949.09	Inhibitory neuron participation in simulated M1 neuronal avalanches	Donald	Doherty
11/9/2021 8:45AM	P954.07	Biophysically-detailed multiscale model of macaque auditory thalamocortical circuits	Erica	Griffith
11/9/2021 9:00AM	P025.01	Morpho-electric changes during the postnatal maturation of human supragranular pyramidal neurons	Matthijs	Verhoog
11/9/2021 9:00AM	P323.05	Tissue-scale computer modeling of spreading depolarization, ischemia and cytotoxic edema	Craig	Kelley
11/9/2021 9:00AM	P410.04	Distinct neocortical mechanisms underlie human SI responses to median nerve and laser evoked peripheral activation examined with the Human Neocortical Neurosolver modeling tool	Ryan	Thorpe
11/9/2021 9:15AM	P963.01	Neuron 8.0: achievements of Neuron developer community to enable modern, performant and maintainable simulation environment	James	King
11/9/2021 9:30AM	P959.01	Interfacing Computational Neuronal Models Generated with NEURON Simulation Software with Living Cells Using a Real-Time Dynamic Clamp System. <i>Also see Cytocybernetics' virtual booth and visit <a href="http://www.cytocybernetics.com">www.cytocybernetics.com</a></i>	Mark	Nowak
11/10/2021 2:30PM	P960.08	Scalable parallel data management for large-scale computational models of neuronal networks	Ivan	Raikov
11/10/2021 3:15PM	P126.01	Long-term inactivation of sodium channels as a mechanism of adaptation in CA1 pyramidal cells with implications for place cell firing	Carol	Upchurch
11/10/2021 3:30PM	P628.04	Sparc- comprehensive model of colonic motility	Bradley	Barth
11/10/2021 3:30PM	P961.01	SPARC: computational modeling of right atrial ganglionic plexus (RAGP) neurons from transcriptomics to electrophysiology	Suranjana	Gupta
11/10/2021 3:30PM	P961.03	Sparc- analysis of individual-specific computational models of vagus nerve stimulation (vns) in humans, pigs, and rats	Eric	Musselman
11/10/2021 3:30PM	P965.04	Large scale modeling and data processing and software dissemination using the Neuroscience Gateway	Amitava	Majumdar
11/11/2021 8:30AM	P948.03	Using Spiking Neuronal Networks to solve Reinforcement Learning control problems	Daniel	Hasegan
11/11/2021 10:15AM	P438.03	Tuning the Excitability of Globular Bushy Cells	George	Spirou
11/11/2021 10:15AM	P955.04	Topographically detailed computational model of the motor and somatosensory thalamic circuits	Joao	Moreira
11/11/2021 1:00PM	P956.01	HNN-core: an open source Pythonic interface to the Human Neocortical Neurosolver (HNN) software for cellular and network interpretation of human MEG and EEG signals	Mainak	Jas
11/11/2021 1:00PM	P956.05	Simulation based inference in the Human Neocortical Neurosolver neural modeling software uncovers circuit mechanisms of primate motor cortical 15-29 Hz beta activity during motor planning	Nicholas	Tolley
11/11/2021 1:00PM	P956.06	Expansion of the Human Neocortical Neurosolver neural modeling tool to validate and inform modeling predictions with local field potential and current source density recordings	Ayomiposi	Adewakun