CNS*2021 Online

TYPE - POSTER • JULY 4 • SUNDAY

P Poster

JULY 4 • SUNDAY			
3:00pm – 4:00pm	P	**P10: A cellular automata model of the hippocampo-septal pacemaker circuit** *Speakers: Ashraya Samba Shiva*	TBA
3:00pm – 4:00pm	P	**P11: Phase response curve of the excitatory-inhibitory neuronal populations and its role in the coherent oscillation of inter-connected brain regions** *Speakers: Aref Pariz*	TBA
3:00pm – 4:00pm	P	**P13: Closed-loop stimulation guided by minimal codes in the sequential activity of weakly electric fish** *Speakers: Angel Lareo*	TBA
3:00pm – 4:00pm	P	**P147: Computational dendritic repair mechanism for human and nonhuman neurons based on optimal wiring considerations** *Speakers: Moritz Groden*	TBA
3:00pm – 4:00pm	P	**P15: Slow oscillations in mice show a rich club structure inside time evolving chimera states** *Speakers: Andrea Insabato*	TBA
3:00pm – 4:00pm	P	**P161: Bayesian computations in recurrent spiking neural networks trained to discriminate time intervals.** *Speakers: Luis Serrano-Fernandez*	TBA
3:00pm – 4:00pm	P	**P16: Effect of infrared laser stimulation in single neurons: experimental and modeling study** *Speakers: Alicia Garrido-Peña*	TBA
3:00pm – 4:00pm	P	**P17: Open Source Brain v2.0: closing the loop between experimental neuroscience data and computational models** *Speakers: Ankur Sinha*	TBA
3:00pm – 4:00pm	P	**P18: Tau from no Tau: Temporal dynamics of Na+ pump mediated memory traces** *Speakers: Astrid A. Prinz*	TBA
3:00pm – 4:00pm	P	**P19: Neuroscience Gateway Enabling large scale modeling, data processing and software dissemination** *Speakers: Amitava Majumdar*	TBA
3:00pm – 4:00pm	P	**P1: Amplitude and phase coupling optimize information transfer between brain networks that function at criticality** *Speakers: Arthur-Ervin Avramiea*	TBA
3:00pm – 4:00pm	P	**P20: A role of receptor desensitization, feedback loops and spontaneous activity in astrocyte calcium responses** *Speakers: Andrew Liu*	TBA
3:00pm – 4:00pm	P	**P21: Detection of visual information processing regions from high-density EEG data** *Speakers: Anna Pidnebesna*	TBA

3:00pm – 4:00pm	P	**P22: Cortical thickness as predictor of performance enhancement in complex real-time strategy game training** *Speakers: Anna Kovbasiuk*	TBA
3:00pm – 4:00pm	P	**P23: Modelling a Central Pattern Generator using capacitively coupled Nano-oscillators** *Speakers: Akhil Bonagiri*	TBA
3:00pm – 4:00pm	P	**P24: Uncovering the invariant structural organization of the human connectome** *Speakers: Anand Pathak*	TBA
3:00pm – 4:00pm	P	**P25: Astrocytes can sharpen spatial patterns in neuronal networks by restricting synaptic volume** *Speakers: Alla Borisyuk*	TBA
3:00pm – 4:00pm	P	**P26: Dendritic normalisation improves learning in sparsely connected artificial neural networks** *Speakers: Alexander Bird*	TBA
3:00pm – 4:00pm	P	**P27: Mechanisms of Flexible Information Sharing Through Noisy Oscillations.** *Speakers: Arthur Powanwe*	TBA
3:00pm – 4:00pm	P	**P2: EEG based Emotion Recognition while Playing Computer Games** *Speakers: Ashish Kumar Shrivastava*	TBA
3:00pm – 4:00pm	P	**P3: Frequency filter interactions in networks of non-oscillatory cells** *Speakers: Andrea Bel*	TBA
3:00pm – 4:00pm	P	**P4: Modeling of Neural Action Potential Generation in the Electron-Diffusion Regime** *Speakers: Ahmed Hamzah*	TBA
3:00pm – 4:00pm	P	**P5: Audio Frequency Spike Encoding Methods Evaluation through Mutual Information** *Speakers: Ahmad El Ferdaoussi*	TBA
3:00pm – 4:00pm	P	**P6: Sleep Latency Modulates the Relationships between Adaption-Innovation and Resting-State EEG Microstates** *Speakers: Yiyuan Tang*	TBA
3:00pm – 4:00pm	P	**P8: Conduction delays in myelinated axons with variable nodal and internodal lengths** *Speakers: Afroditi Talidou*	TBA
3:00pm – 4:00pm	P	**P9: Behaviorally Relevant Spatio-Temporal Spike Patterns in Parallel Spike Trains** *Speakers: Alessandra Stella*	TBA
4:00pm – 5:00pm	P	**P14: Closed-loop Temporal Code-Driven Stimulation implemented and tested using Real-Time eXperimental Interface (RTXI)** *Speakers: Angel Lareo*	TBA
4:00pm – 5:00pm	P	**P28: Segregation, integration and balance of large-scale resting brain networks configure different cognitive abilities** *Speakers: Changsong Zhou*	TBA
4:00pm – 5:00pm	P	**P29: Bayesian mechanics in the brain: a continuous-state formulation of active inference** *Speakers: Chang-Sub Kim*	TBA
4:00pm – 5:00pm	P	**P30: Computational modelling of a mouse layer 5 pyramidal neuron using genetic ion channels** *Speakers: Darshan Mandge*	TBA
4:00pm – 5:00pm	P	**P31: Odor-evoked Increases in Olfactory Bulb Mitral Cell Spiking Variability** *Speakers: Cheng Ly*	TBA

4:00pm – 5:00pm	P	**P32: A general approach to characterize structured synchronization processes in spiking neural networks based on an adaptive synchronization measure** *Speakers: Denis Zakharov*	TBA
4:00pm – 5:00pm	P	**P33: A Reinforcement Learning Approach to Model Evidence Accumulation of Decision Making** *Speakers: Sai Kalyan Ranga Singanamalla*	TBA
4:00pm – 5:00pm	P	**P34: The Emergence of Computational Capacity in Developing Biological Neural Networks** *Speakers: David Shorten*	TBA
4:00pm – 5:00pm	P	**P35: Frequency-resolved Connectivity Disturbances in First-Episode Psychosis** *Speakers: Christoph Metzner*	TBA
4:00pm – 5:00pm	P	**P36: Whole-Brain Modelling Suggest Mechanisms Behind Pro-Segregation Effects of Cholinergic Neuromodulation** *Speakers: Carlos Coronel*	TBA
4:00pm – 5:00pm	P	**P37: A biochemical mechanism for time-encoding memory formation within individual synapses of Purkinje cells** *Speakers: Ayush Mandwal*	TBA
4:00pm – 5:00pm	P	**P38: A study on Recurrent Neural Networks trained with excitatory-inhibitory constraint** *Speakers: Cecilia Jarne*	TBA
4:00pm – 5:00pm	P	**P39: Evoking orientation-tuned activity in a spiking model of cat V1 with optical stimulation** *Speakers: David Berling*	TBA
4:00pm – 5:00pm	P	**P40: Gap junctions shape the intervals that build robust sequences in a central pattern generator model** *Speakers: Blanca Berbel*	TBA
4:00pm – 5:00pm	P	**P41: Astrocyte-neuron interaction through the extracellular ionic composition** *Speakers: Carter Johnson*	TBA
4:00pm – 5:00pm	P	**P42: Neuronal heterogeneity underlies electrical synapse asymmetry and spike time variability in coupled neurons** *Speakers: Austin Mendoza*	TBA
4:00pm – 5:00pm	P	**P43: Profiling cell-type responses to external stimulation** *Speakers: Daniel Trotter*	TBA
4:00pm – 5:00pm	P	**P44: Modelling Working Memory using Deep Convolutional Elman and Jordan Neural Networks** *Speakers: Dhruv Chopra*	TBA
4:00pm – 5:00pm	P	**P45: Role of realistic connectivity patterns in shaping learning in the mushroom body** *Speakers: Daniel Zavitz*	TBA
4:00pm – 5:00pm	P	**P46: A Neuroanatomically-Based Model for Trichromatic Color Sensations** *Speakers: Charles Q. Wu*	TBA
4:00pm – 5:00pm	P	**P47: Impact of Sodium Channel Distribution in the Axon Initial Segment on the Initiation and Backpropagation of Action Potentials*** *Speakers: Benjamin Barlow*	TBA
4:00pm – 5:00pm	P	**P48: Signal denoising through modular topography** *Speakers: Barna Zajzon*	TBA

4:00pm – 5:00pm	P	**P49: Linking acute stress and heart rate variability in daily life while ac-counting for physical activity ‚Äì a machine learning approach** *Speakers: Benedikt Jordan*	TBA
4:00pm – 5:00pm	P	**P50: Computational Modeling of Electrophysiological Properties in Urethral Smooth Muscle Cell** *Speakers: Chitaranjan Mahapatra*	TBA
4:00pm – 5:00pm	P	**P51: AnalySim: A web platform for collaborative data sharing and analysis** *Speakers: Cengiz Gunay*	TBA
4:00pm – 5:00pm	P	**P52: From structure to dynamics in combinatorial threshold linear networks** *Speakers: Caitlin Lienkaemper*	TBA
4:00pm – 5:00pm	P	**P53: Electrophysiological models of pig right atrial ganglionic plexus (RAGP) neurons derived from transcriptomics** *Speakers: Suranjana Gupta*	TBA
5:00pm – 6:00pm	P	**P54: Gap Junction Conductance Non-monotonically determines Action Potential Propagation** *Speakers: Erin Munro Krull*	TBA
5:00pm – 6:00pm	P	**P55: Effects of heterogeneous inputs on cortical activity in medium-scale neuronal networks on chip** *Speakers: Francesca Callegari*	TBA
5:00pm – 6:00pm	P	**P56: The effect of ephaptic coupling on signal transmission in peripheral nerve bundles** *Speakers: Helmut Schmidt*	TBA
5:00pm – 6:00pm	P	**P57: A decision-making model with anticipation of surprise for explaining ‚Äòirrational,Äô economic behaviors** *Speakers: Ho Ka Chan*	TBA
5:00pm – 6:00pm	P	**P58: Signal Encoding Enhanced by Recurrent Noise** *Speakers: Gregory Knoll*	TBA
5:00pm – 6:00pm	P	**P59: Individual variability in the human connectome maintains selective cross-modal consistency and shares microstructural signatures** *Speakers: Esin Karahan*	TBA
5:00pm – 6:00pm	P	**P60: Biomarkers of reduced inhibition in human cortical microcircuit signals in depression** *Speakers: Frank Mazza*	TBA
5:00pm – 6:00pm	P	**P61: Network model provides insights into entorhinal cortex mechanisms of theta generation** *Speakers: Ines Guerreiro*	TBA
5:00pm – 6:00pm	P	**P62: Multi-scale spiking network model of human cortex** *Speakers: Jari Pronold*	TBA
5:00pm – 6:00pm	P	**P63: A non-linear evidence accumulation model that accounts for single-trial dynamics** *Speakers: Isabelle Hoxha*	TBA
5:00pm – 6:00pm	P	**P64: Local homeostatic regulation of the spectral radius of echo-state networks** *Speakers: Fabian Schubert*	TBA
5:00pm – 6:00pm	P	**P65: Neuronal oscillations level sets for activity constancy: from single neurons to networks** *Speakers: Guillermo Villanueva*	TBA

5:00pm – 6:00pm	P	**P66: Stability and Predictability Code in Higher-Order Neuronal Correlations** *Speakers: Emili Balaguer-Ballester*	TBA
5:00pm – 6:00pm	P	**P67: Retrospective inference in online structure learning: a simulation study** *Speakers: Francesco Silvestrin*	TBA
5:00pm – 6:00pm	P	**P68: Alteration of astrocytic glutamate transporters can drive a multistage progression of Alzheimer‚Äôs disease** *Speakers: Giulio Bonifazi*	TBA
5:00pm – 6:00pm	P	**P69: Modeling the dynamics of partially known systems via the integration of a system of ordinary differential equations into a recurrent neural network** *Speakers: Domas Linkevicius*	TBA
5:00pm – 6:00pm	P	**P70: Stress-induced changes on CRH neurons and homeostatic response at the Paraventricular Nucleus of the Hypothalamus** *Speakers: Ewandson Lameu*	TBA
5:00pm – 6:00pm	P	**P71: Recurrent connectivity controls the ability of inhibitory synaptic plasticity to produce E/I co-tuning.** *Speakers: Emmanouil Giannakakis*	TBA
5:00pm – 6:00pm	P	**P72: Simulation of the somatosensory cortex microcircuit in NetPyNE** *Speakers: Fernando Borges*	TBA
5:00pm – 6:00pm	P	**P73: Revealing the Link between Spiking Cross-Correlation Patterns and the Underlying Subthreshold Neuronal Dynamics** *Speakers: Horacio Rotstein*	TBA
5:00pm – 6:00pm	P	**P74: Sleep prevents catastrophic forgetting in spiking neural networks by forming joint synaptic weight representations** *Speakers: Jean Erik Delanois*	TBA
5:00pm – 6:00pm	P	**P75: Recruitment profiles produced by intrafascicular stimulation of peripheral nerve fibers** *Speakers: Morteza Rouhani, Jimmy Abbas*	TBA
5:00pm – 6:00pm	P	**P76: Emergence of high order interactions in a model of neural oscillators** *Speakers: Fernando Lehue*	TBA
5:00pm – 6:00pm	P	**P77: Control of bursting activity based on interaction of Na+/K+ pump with persistent sodium current** *Speakers: Gennady Cymbalyuk*	TBA
5:00pm – 6:00pm	P	**P78: A brain-inspired meta-reinforcement learning inhibition cognitive control for artificial agents in a conflictual decision-making task** *Speakers: Federica Robertazzi*	TBA
5:00pm – 6:00pm	P	**P79: Combined effect of chemical and electrical synapses in coupled inhibitory neurons results in emergence of persistent activity** *Speakers: Janaki Raghavan*	TBA
6:00pm – 7:00pm	P	**P100: Effects of ih-current modulation in a pyramidal tract projecting cell model** *Speakers: Joao Moreira*	TBA
6:00pm – 7:00pm	P	**P101: Synaptic pulse duration determines phase difference between asymmetrically coupled oscillators** *Speakers: Joel Tabak*	TBA
6:00pm – 7:00pm	P	**P102: Topological data analysis of spontaneous activity in the zebrafish optic tectum** *Speakers: Joshua Paik*	TBA

6:00pm – 7:00pm	P	**P103: TLN counters, position trackers and central pattern generators** *Speakers: Juliana Londono Alvarez*	TBA
6:00pm – 7:00pm	P	**P104: Going beyond the point neuron: active dendrites and sparse representations for continual learning** *Speakers: Karan Grewal*	TBA
6:00pm – 7:00pm	P	**P105: Tangent space projections of optimally regularized Functional Connectomes improve their phenotypic reliability as measured by their fingerprint** *Speakers: Kausar Abbas*	TBA
6:00pm – 7:00pm	P	**P106: Modelling the neurophysiology of sleep development over the first five years of life** *Speakers: Lachlan Webb*	TBA
6:00pm – 7:00pm	P	**P80: Systematic Perturbation of an Artificial Neural Network: A Step Towards Quantifying Causal Contributions in The Brain** *Speakers: Kayson Fakhar*	TBA
6:00pm – 7:00pm	P	**P81: Gating null and potent modes of propagation in a feedforward model of cortical activity** *Speakers: Jean-Philippe Thivierge*	TBA
6:00pm – 7:00pm	P	**P82: Does reward positivity encode trial-by-trial reward prediction error? A model-based EEG analysis** *Speakers: Ka Chun Wu*	TBA
6:00pm – 7:00pm	P	**P83: Long-Term Stability of Memories Independent of any Form of Replay** *Speakers: Jonas Neuhöfer*	TBA
6:00pm – 7:00pm	P	**P84: An integrative framework for dynamic causal modeling of neural circuitry using multiscale, multimodal measurements** *Speakers: Jiyoung Kang*	TBA
6:00pm – 7:00pm	P	**P85: Oscillatory Network Model to understand theta-sequences in one-dimensional motion** *Speakers: Kushal Reddy*	TBA
6:00pm – 7:00pm	P	**P86: A simple computational model of increased olfactory bulb network oscillations with synaptic degradation** *Speakers: Kendall Berry*	TBA
6:00pm – 7:00pm	P	**P87: Correlation structure between brain regions in working-memory tasks: fMRI fractal and spectral analysis** *Speakers: Jeremi Ochab*	TBA
6:00pm – 7:00pm	P	**P88: Energy Adaptive Reinforcement Learning** *Speakers: Jiamu Jiang*	TBA
6:00pm – 7:00pm	P	**P89: Kenyon cells sensitivity control through thresholds tuning improves the discrimination capacity of the insect olfactory system** *Speakers: Jessica L√≥pez-Hazas Sacrist√°n*	TBA
6:00pm – 7:00pm	P	**P90: Extracellular stimulation and LFP recording in a L5 PC model with full axonal arbor** *Speakers: Joseph Tharayil*	TBA
6:00pm – 7:00pm	P	**P91: Neural Circuits of Human Prediction Error Computation Across Valences and Tasks** *Speakers: Jessica Mollick*	TBA
6:00pm – 7:00pm	P	**P92: Enhanced ensemble computational models of mouse thoracic sympathetic postganglionic neurons with offline compensation of electrode artifacts** *Speakers: Krishna Pusuluri*	TBA

6:00pm – 7:00pm	P	**P93: Altered intrinsic excitability impairs synaptic plasticity at Schaffer-collateral synapses on hippocampal CA1 pyramidal neuron in Alzheimer‚Äôs disease** *Speakers: Justinas Dainauskas*	TBA
6:00pm – 7:00pm	P	**P94: Prediction of clinical symptoms based on global cortical thinning patterns in Parkinson's disease** *Speakers: Saeko Kikuchi, Masanori Shimono*	TBA
6:00pm – 7:00pm	P	**P95: Linking hippocampal replay content to neuronal properties through modeling** *Speakers: Jordan Breffle*	TBA
6:00pm – 7:00pm	P	**P96: Long-lasting desynchronization using randomized spatio-temporal stimulus patterns** *Speakers: Justus Kromer*	TBA
6:00pm – 7:00pm	P	**P97: A novel meta-analytic web application for multimodal neuroscientific data integration and analysis** *Speakers: Krishna Praneeth Kilambi*	TBA
6:00pm – 7:00pm	P	**P98: Combining fMRI with computational modeling to explore the influence of attention on human auditory cortex** *Speakers: Kabir Arora*	TBA
6:00pm – 7:00pm	P	**P99: A ring model based on dendritic bistability** *Speakers: Jiacheng Xu*	TBA

P Poster

JULY 5 • MONDAY

3:00pm – 4:00pm	P	**P107: Topological properties of mouse neuronal populations** *Speakers: Margarita Zaleshina*	TBA
3:00pm – 4:00pm	P	**P108: Reconciling forgetting and memory consolidation: simulating the dissociable effects of neuronal noise levels on cortical memory traces.** *Speakers: Max Garagnani*	TBA
3:00pm – 4:00pm	P	**P109: Modelling the effect of deep brain stimulation on cortico-subcortical networks in the context of freezing of gait in Parkinson‚Äôs Disease** *Speakers: Mariia Popova*	TBA
3:00pm – 4:00pm	P	**P110: Advancing neuroscience education without borders: neuroscience community training resources at INCF** *Speakers: Malin Sandström*	TBA
3:00pm – 4:00pm	P	**P111: Building somatosensory cortex neuron models using a workflow for the creation, validation and generalization of biophysically detailed cell models** *Speakers: Maria Reva*	TBA
3:00pm – 4:00pm	P	**P112: One-shot learning of static and sequential patterns with Extreme Neural Machines** *Speakers: Jean-Philippe Thivierge*	TBA
3:00pm – 4:00pm	P	**P113: Inferring Inter-Columnar Connectivity from Sparse Activity Data** *Speakers: Linus Lauer*	TBA
3:00pm – 4:00pm	P	**P114: Embedded Chimera States in Recurrent Neural Networks** *Speakers: Maria Masoliver*	TBA
3:00pm – 4:00pm	P	**P115: Reproducing asymmetrical spine shape fluctuations in a model of actin dynamics predicts self-organized criticality** *Speakers: Michael Fauth*	TBA
3:00pm – 4:00pm	P	**P116: Drifting Memories: spontaneous long-term evolution of memory representations in the hippocampus** *Speakers: Lars Bollmann*	TBA
3:00pm – 4:00pm	P	**P117: Detailed biophysical modeling of CA1 pyramidal cells in a mouse model of Alzheimer's disease suggests origin of hyperexcitability** *Speakers: Martin Mittag*	TBA
3:00pm – 4:00pm	P	**P118: Modeling intermittent synchronization of gamma-band neural oscillations** *Speakers: Leonid Rubchinsky*	TBA
3:00pm – 4:00pm	P	**P119: The impact of neuronal noise statistics on binocular rivalry dynamics** *Speakers: Maria Inês Cravo*	TBA
3:00pm – 4:00pm	P	**P121: Modeling homo- and heterosynaptic plasticity using a new reduced-morphology model of CA1 pyramidal cells** *Speakers: Matus Tomko*	TBA
3:00pm – 4:00pm	P	**P122: Neural models for the cross-species recognition of dynamic facial expressions** *Speakers: Michael Stettler*	TBA
3:00pm – 4:00pm	P	**P123: Nonlinear optimal control of neural populations** *Speakers: Lena Salfenmoser*	TBA

3:00pm – 4:00pm	P	**P124: Parameter adaptation of hybrid circuits by online exploration driven by genetic algorithms** *Speakers: Manuel Reyes-Sanchez*	TBA
3:00pm – 4:00pm	P	**P125: Computational modelling of ictogenicity to inform photosensitive epilepsy from interictal EEG** *Speakers: Marinho Lopes*	TBA
3:00pm – 4:00pm	P	**P126: Entorhinal Modules As Graph-Learning Systems** *Speakers: Marcus Lewis*	TBA
3:00pm – 4:00pm	P	**P127: A Neuromorphic Application to Keyword Recognition** *Speakers: Michael Helde*	TBA
3:00pm – 4:00pm	P	**P128: A closed form equation for extracellular field at a point for time series simulation in diffuse structures.** *Speakers: Leonid Fedorov*	TBA
3:00pm – 4:00pm	P	**P129: A minimal integrate-and-fire model for Mossy Cells** *Speakers: Mauricio Girardi-Schappo*	TBA
3:00pm – 4:00pm	P	**P130: Fast and slow inhibition on cortical spatiotemporal complexity in a computational model of the cerebral cortex** *Speakers: Leonardo Dalla Porta*	TBA
3:00pm – 4:00pm	P	**P131: Fitting neural models to experimental data with Brian 2** *Speakers: Marcel Stimberg*	TBA
3:00pm – 4:00pm	P	**P132: A dynamics-based approach to thresholding tractography-based connectomes** *Speakers: Luc Berthouze*	TBA
3:00pm – 4:00pm	P	**P133: Dynamics and trainability of recurrent neural networks with partial symmetry and antisymmetry** *Speakers: Matthew Ding*	TBA
3:00pm – 4:00pm	P	**P134: Mixed vine copula flows for flexible modelling of neural dependencies** *Speakers: Lazaros Mitskopoulos*	TBA
3:00pm – 4:00pm	P	**P137: Understanding degeneracy and redundancy using variational free energy** *Speakers: Noor Sajid*	TBA
4:00pm – 5:00pm	P	**P135: A network model for migraine-driven alterations in the contrast sensitivity of rodent visual cortex** *Speakers: Nicolo Meneghetti*	TBA
4:00pm – 5:00pm	P	**P136: An ISI study of the Stochastic ML burster** *Speakers: Peter Rowat, Priscilla Greenwood*	TBA
4:00pm – 5:00pm	P	**P138: Determinants of pattern recognition in a network model of cerebellar cortex** *Speakers: Ohki Katakura*	TBA
4:00pm – 5:00pm	P	**P139: A Biophysical Spectral Graph Theory-Based Model for Brain Oscillations** *Speakers: Parul Verma*	TBA
4:00pm – 5:00pm	P	**P140: Semantization of episodic memory in a spiking cortical attractor network model** *Speakers: Nikolaos Chrysanthidis*	TBA
4:00pm – 5:00pm	P	**P141: Multistability of coherent states in ring networks of type II neurons with asymmetrical nonlocal inhibitory connectivity** *Speakers: Olesia Dogonasheva*	TBA

4:00pm – 5:00pm	P	**P142: Properties of Drosophila Noxious-Cold Sensing Neurons Encoding Rate and Magnitude of Change in Temperature** *Speakers: Natalia Maksymchuk*	TBA
4:00pm – 5:00pm	P	**P143: Analyzing the differences in olfactory bulb spiking with ortho- and retronasal stimulation** *Speakers: Michelle Craft*	TBA
4:00pm – 5:00pm	P	**P144: Modelling the Effects of the Perforant Path in the Recall Performance of a CA1 Microcircuit with Excitatory and Inhibitory Neurons** *Speakers: Nikolaos Andreakos*	TBA
4:00pm – 5:00pm	P	**P145: Surrogate methods for spike pattern detection in non-Poisson data** *Speakers: Peter Bouss*	TBA
4:00pm – 5:00pm	P	**P146: Outlining contextual settings for rule learning through a probabilistic category learning task** *Speakers: Nicholas Menghi*	TBA
4:00pm – 5:00pm	P	**P148: Stimulus-independent neural assembly interactions across brain regions** *Speakers: Michele Nardin*	TBA
4:00pm – 5:00pm	P	**P149: Dopamine activity plays a double role in improving perception and signaling motivation in a working memory task** *Speakers: Joan Falco-Roget*	TBA
4:00pm – 5:00pm	P	**P150: Dynamic synchronization between electrically coupled cells of central pattern generators** *Speakers: Pablo S√°nchez-Mart√≠n*	TBA
4:00pm – 5:00pm	P	**P151: Neural-ECM interactions in small scale networks** *Speakers: Nicolangelo Iannella*	TBA
4:00pm – 5:00pm	P	**P152: Quantification of the network strength in neural anticipated and delayed synchronization** *Speakers: Monserrat Pallares Di Nunzio*	TBA
4:00pm – 5:00pm	P	**P153: A physiologically realistic computational model of the basal ganglia network.** *Speakers: Nathalie Azevedo Carvalho*	TBA
4:00pm – 5:00pm	P	**P154: Intrinsic and parameter-less gain control in rate coding by spiking neurons** *Speakers: Nirag Kadakia*	TBA
4:00pm – 5:00pm	P	**P155: Neurodynamical model for the visual recognition of dynamic bodies** *Speakers: Prerana Kumar*	TBA
4:00pm – 5:00pm	P	**P156: Influence of the connectivity on the synchronization of two coupled neuronal networks** *Speakers: Paulo Ricardo Protachevicz*	TBA
4:00pm – 5:00pm	P	**P157: Working Memory Stabilization by Sinusoidal and Noisy Inputs** *Speakers: Nikita Novikov*	TBA
4:00pm – 5:00pm	P	**P158: Dimensionality Reduction Methods for Neural Decoding** *Speakers: Alan Cherne*	TBA
4:00pm – 5:00pm	P	**P159: Bayesian brains and the Renyi divergence** *Speakers: Noor Sajid*	TBA
4:00pm – 5:00pm	P	**P160: Approximating transient dynamics of hippocampal ripple oscillations in an inhibitory network model** *Speakers: Natalie Schieferstein*	TBA

4:00pm – 5:00pm	P	**P162: Role of sleep in formation of indirect memory associations** *Speakers: Oscar Gonzalez*	TBA
4:00pm – 5:00pm	P	**P163: The Role of Hyperpolarization-Activated Current in the Production of Episodic Bursting by a Half-Center Oscillator** *Speakers: Gennady Cymbalyuk*	TBA
5:00pm – 6:00pm	P	**P164: Classification of large-scale brainwaves in brain network models with heterogeneous time delays** *Speakers: Sebastian Raison*	TBA
5:00pm – 6:00pm	P	**P165: Impact of electrode placement on spiking probability of a stimulated human auditory nerve fiber** *Speakers: Thomas Tanzer*	TBA
5:00pm – 6:00pm	P	**P166: Feedback and Feedforward Model in Motion Anticipation** *Speakers: Qi-Rong Lin*	TBA
5:00pm – 6:00pm	P	**P167: Stochastic Axons in the Mammalian Brain** *Speakers: Skirmantas Janusonis*	TBA
5:00pm – 6:00pm	P	**P168: A robust spike counter for automatic detection of interictal eplileptiform discharges before seizure onset** *Speakers: Swati Banerjee*	TBA
5:00pm – 6:00pm	P	**P169: Optimal Stimulation of Spiking Neuron using Reinforcement Learning: Single Neuron Study** *Speakers: Sai Kalyan Ranga Singanamalla*	TBA
5:00pm – 6:00pm	P	**P170: Mapping and Validating the LIF Model on Intel's Loihi** *Speakers: Srijanie Dey*	TBA
5:00pm – 6:00pm	P	**P171: Computational modeling of age-dependent tonic inhibition in the cerebellar granule cells in a network context** *Speakers: Sungho Hong*	TBA
5:00pm – 6:00pm	P	**P172: Synchronization through uncorrelated noise in excitatory-inhibitory networks** *Speakers: Christoph Metzner*	TBA
5:00pm – 6:00pm	P	**P173: Replicating Bursting Neurons that Signal Input Slopes with Izhikevich Neurons** *Speakers: Rebecca Miko*	TBA
5:00pm – 6:00pm	P	**P174: Traveling waves in the prefrontal cortex during working memory** *Speakers: Sayak Bhattacharya*	TBA
5:00pm – 6:00pm	P	**P175: Model of neuronal activity coupled to energy resources generates neonatal burst suppression** *Speakers: Shrey Dutta*	TBA
5:00pm – 6:00pm	P	**P176: Cognitive demand of visuomotor task depends on information rate** *Speakers: Sze Ying Lam*	TBA
5:00pm – 6:00pm	P	**P177: Phase and amplitude coupling of high-frequency oscillations in seizure records** *Speakers: Sabrina Natali Guisande Donadio*	TBA
5:00pm – 6:00pm	P	**P178: Flexible selection of cognitive tasks and memory suppression in a hippocampus ‚Äì prefrontal cortex network regulated by the nucleus reuniens** *Speakers: Rodrigo Pena*	TBA
5:00pm – 6:00pm	P	**P179: Personalized Cortical Circuit Modelling Implicates Synaptic Dynamics in Functional Variation across Individuals** *Speakers: Rachel Cooper*	TBA

5:00pm – 6:00pm	P	**P180: Assessing robust sequences‚ÄØof‚ÄØneural dynamics: a new approach to M/EEG signals analysis** *Speakers: Sara Kamali*	TBA
5:00pm – 6:00pm	P	**P181: Can short recovery time-constants of synapses explain long recovery time-constants of auditory evoked responses in monkey primary auditory cortex and** *Speakers: Siwei Qiu*	TBA
5:00pm – 6:00pm	P	**P182: Computational Circuit Mechanisms Underlying Thalamic Control of Attention** *Speakers: Qinglong Gu*	TBA
5:00pm – 6:00pm	P	**P183: Learning in the inhibitory network of the honeybee antennal lobe** *Speakers: Shruti Joshi*	TBA
5:00pm – 6:00pm	P	**P184: Biophysically realistic neural-network models of auditory neurons and synapses for neuroscience and machine-hearing applications** *Speakers: Sarah Verhulst*	TBA
5:00pm – 6:00pm	P	**P185: Emergence and propagation of asynchronous states of spontaneous cortical activity.** *Speakers: Roman Arango*	TBA
5:00pm – 6:00pm	P	**P186: Competition in synaptic plasticity leads to energy efficient learning** *Speakers: Silviu Ungureanu*	TBA
5:00pm – 6:00pm	P	**P187: Computational Investigation of the Effect of an SK Channel Activator on a Detrusor Smooth Muscle Cell Action Potential** *Speakers: Suranjana Gupta*	TBA
5:00pm – 6:00pm	P	**P188: Computational insights into Sino Atrial Arrhythmogenesis of Hydroxychloroquine for the treatment of COVID-19** *Speakers: Chitaranjan Mahapatra*	TBA
5:00pm – 6:00pm	P	**P189: Reward and state prediction error signals in cortico-striatal circuitry of obsessive-compulsive disorder** *Speakers: Taekwan Kim*	TBA
5:00pm – 6:00pm	P	**P190: Hippocampal indexing promotes cortical consolidation without interference by altering the stability landscape of synaptic weight space** *Speakers: Ryan Golden*	TBA
5:00pm – 6:00pm	P	**P191: Dynamic Network Reconstruction of Hypothalamic Melanin-Concentrating Hormone (MCH) Neurons** *Speakers: Sorinel Oprisan*	TBA
6:00pm – 7:00pm	P	**P120: Deep neural embedding of neuronal connectivity** *Speakers: Arata Shirakami, Masanori Shimono*	TBA
6:00pm – 7:00pm	P	**P12: How cerebellar architecture aids online motor learning** *Speakers: Adriana Perez Rotondo*	TBA
6:00pm – 7:00pm	P	**P192: Mathematical Modeling of Temperature Effects on the AFD Neuron of Caenorhabditis elegans** *Speakers: Zach Mobille*	TBA
6:00pm – 7:00pm	P	**P193: Dynamical Origin for Winner-Take-All Competition in A Biological Network of The Hippocampal Dentate Gyrus** *Speakers: Woochang Lim*	TBA
6:00pm – 7:00pm	P	**P194: Sequence learning, prediction, and generation in networks of spiking neurons** *Speakers: Younes Bouhadjar*	TBA

6:00pm – 7:00pm	P	**P195: Constructing a cortical column model from the local field potentials in the auditory cortex in awake monkeys** *Speakers: Thomas R. Kn√∂sche*	TBA
6:00pm – 7:00pm	P	**P196: Phasic and tonic changes in pupil size differentially track surprise and confidence during adaptive learning** *Speakers: Tiffany Bounmy*	TBA
6:00pm – 7:00pm	P	**P197: Network patterns emerging from the interplay of lateral inhibition and the intrinsic properties of striatal MSN** *Speakers: Vicente Gonzalez Bosca*	TBA
6:00pm – 7:00pm	P	**P198: Segregated resonant mechanisms in CA1 pyramidal cells: interplay of ionic currents and cell‚Äôs spatial structure** *Speakers: Ulises Chialva*	TBA
6:00pm – 7:00pm	P	**P199: Application of tensor component decomposition methods to characterize nonstationary population activity dynamics during a reversal learning task** *Speakers: Xiaochen Zhao*	TBA
6:00pm – 7:00pm	P	**P200: Online Working Memory Changes Brain Metabolisms in Self-control and Default Mode Networks** *Speakers: Yiyuan Tang*	TBA
6:00pm – 7:00pm	P	**P201: Seizure Forecasting from long-term EEG and ECG Data using Critical Slowing Principle** *Speakers: Wenjuan Xiong*	TBA
6:00pm – 7:00pm	P	**P202: Model inversion techniques for seizure spread in individual brain networks** *Speakers: Viktor Sip*	TBA
6:00pm – 7:00pm	P	**P203: A model study of electro-diffusion in dendritic signal processing** *Speakers: Yinyun Li*	TBA
6:00pm – 7:00pm	P	**P205: Improving the detection of ERPs and managing variability with dry electrodes in personalized BCIs** *Speakers: Vinicio Changoluisa*	TBA
6:00pm – 7:00pm	P	**P206: Biophysical parameters control information transfer in spiking networks** *Speakers: Tom√°s Garnier Arti√±ano*	TBA
6:00pm – 7:00pm	P	**P207: Sympathetic postganglionic neurons as a potential locus of modulation and plasticity in the sympathetic pathway** *Speakers: Astrid A. Prinz*	TBA
6:00pm – 7:00pm	P	**P208: Generative episodic memory: a computational model** *Speakers: Zahra Fayyaz*	TBA
6:00pm – 7:00pm	P	**P209: Spiking Computation using Dendrites** *Speakers: Thomas Burger*	TBA
6:00pm – 7:00pm	P	**P210: Dynamical differential covariance (DDC) recovers network structure in multi¬≠scale neural systems** *Speakers: Yusi Chen*	TBA
6:00pm – 7:00pm	P	**P211: Critical slowing biomarkers in mathematical neural models** *Speakers: Wei Qin*	TBA
6:00pm – 7:00pm	P	**P212: Chaotic dynamics introduce the discrete response and show the high susceptibility.** *Speakers: Tomoki Kurikawa*	TBA

6:00pm – 7:00pm	P	**P213: Precise spike-timing can be achieved by increasing inhibitory input** *Speakers: Tomas Barta*	TBA
6:00pm – 7:00pm	P	**P214: Simulating sleep spindles and slow oscillations EEG and MEG in a multiscale thalamocortical network model with hierarchical connectivity** *Speakers: Yury Sokolov*	TBA
6:00pm – 7:00pm	P	**P215: Predictive principal component analysis** *Speakers: Takuya Isomura*	TBA
6:00pm – 7:00pm	P	**P7: Exploiting modern multi-site electrodes for counteracting abnormal synchronization** *Speakers: Ali khaledi Nasab*	TBA