

CRCNS PI Meeting Posters

#	Name	Title
1	Cecilia Diniz Behn	Modeling the role of infraslow oscillatory rhythms in NREM-REM sleep dynamics
2	Suma Cardwell	PARADIGM: Programmable Analog and Reconfigurable Active Dendrites Implementing Gain Modulation
3	Tal Chamilevsky	Mesoscale dynamics of action-outcome representations across the cortex in naturalistic goal-directed behavior
4	William Chapman	Dendritic Dynamics for Compartment-Specific Learning
5	Hannah Choi	Cell-type specific novelty encoding in cortical circuits
6	Liz Chrastil	Increased processing time preserves spatial information across reference frames: The role of posterior medial cortex
7	Timothy Cope	A Species-Specific Spinal Circuit for Coordinating Antagonist Motor Pools
8	Anup Das	Planar Spiral and Concentric Traveling Waves Distinguish Cognitive States in Human Memory
9	Long Ding	Contributions of the subthalamic nucleus to reward-biased perceptual decision making in monkeys
10	Harrison Espino	Vector-based navigation inspired by directional place cells
11	Isabel Fernandez	Functional mapping of neurons in primary visual cortex using computational barcodes
12	James Fitzgerald	Using Ensemble Modeling to Predict Synaptic Connections and Neural Activity from Pretectal Responses to Optokinetic Stimuli
13	Greg Gerling	Small adjustments in mechanotransduction currents drive receptive field sizes of single afferents and discrimination of monofilaments by populations
14	Ryan Golden	Hippocampal indexing alters the stability landscape of synaptic weight space allowing life-long learning
15	Anna Jasper	The structure of multi-area population activity in the macaque visual cortex
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17	Shruti Joshi	Disinhibition versus Feed-Forward Suppression: Divergent Impacts on Odor Discrimination in an RNN Model of Locust Antennal Lobe
18	Garrett Kenyon	Factoring Multi-Channel LFPs into Interpretable Components using Locally-Competitive Sparse Coding
19	Bharath Krishnan	Distinct Physiological Properties Differentiate Rodent Area 29E From Other Parahippocampal Areas
20	Isabella Kudyba	Dynamical sensory neuron force measurements improve performance of <i>Carausius morosus</i> robot to perturbations
21	Ziwei Li	Spatiotemporal localization of category-specific gamma responses in the fusiform gyrus
22	Catalina Vich Llompарт	Beyond the hyperdirect pathway: the hidden role of Arky pallidal neurons in stopping actions
23	Rob Meijers	Machine Learning-Aided Antibody Discovery for the Mu-Opioid Receptor

24	Rolf Mueller	Audio-Vocal Feedback in Bat Biosonar as a Model for Embodied AI
25	Saina Namazifard	Identifying Manifold Degeneracy and Estimating Confidence for Parameters of Compartmental Neuron Models with Hodgkin-Huxley Type Conductances
26	Priebe Nicholas	Synchronous spiking in the corticothalamic circuit
27	Cowan Noah	Explicit error coding can mediate gain recalibration in continuous bump attractor networks
28	Gabriela Rosenblau	Building and Updating Social Knowledge in Real-Time Learning
29	Joel Rosenfeld	Advances in Dynamic Mode Decompositions for Modeling Unknown Dynamical Systems
30	Mikail Rubinov	Unifying equivalences across unsupervised learning network science and imaging/network neuroscience
31	Tatyana Sharpee	Active Sensing in a Distorted World
32	Karthik Shekhar	Multiscale dynamics of neuronal electricity: how the effects of ion channel currents propagate at the neuronal membrane interface
33	Amitai Shenhav	Goals shape dynamics of attention and selection for value-based decision-making
34	Noa Shmueli	Functional reorganization of motor cortex subnetworks during naturalistic and trained behaviors
35	Alexis Simons	Auditory-Related Function and Connectivity of the Human Pulvinar
36	Brian Smith	Octopamine and tyramine dynamics predict learning rate phenotypes during associative conditioning in honey bees
37	Dario Tommasini	Deep Conservation of Amacrine Cell Diversity Throughout Vertebrate Evolution
38	Haiwen Wang	Channel-Wise Attention Masks for Brain Connectome Fingerprinting
39	Felix Wang	Neuromorphic Simulation of Drosophila Melanogaster Brain Connectome on Loihi 2
40	Franz Weber	Low-Dimensional Population Dynamics in Brainstem Gate REM sleep
41	Mingxiao Wei	Thalamic Input Modulates Hippocampal Ripple Timing During Closed-Loop Sleep Stimulation: Insights from a Biophysical Model
42	Ting Xu	Maturation of Dynamic Propagations and Neuromodulatory Substrates in Nonhuman Primates
43	Zhuoyang Ye	Seconds-timescale Cholinergic Modulation of CA1 facilitates Path Integration
44	Maria Gabriela Navas Zuloaga	Linking structural brain changes to age-related slow-wave sleep alterations: mechanistic insights from a whole-brain thalamocortical model of human sleep.