

Poster presentation: March 7th, 2007, 17:00-18:30

Speaker	Title
Akira Toyomura	Neural Bases of Audio-Vocal Feedback in Human
Andreas Galka	Dynamical source components of EEG time series
Antonio Pazienti	Spike classification errors affect correlation analyses
Arvind Kumar	Stable embedding of synfire activity in a locally connected random
Balazs Lukats	Organization of adaptive behavior in the orbitofrontal cortex: electrophysiological and behavioral studies in rats and rhesus monkeys
Benjamin Staude	Detecting higher-order correlations with lower order measures
Carl-Magnus Svensson	Branching Dendrites with Quasi-active Membrane
Cornelius Weber	Intrinsic Plasticity in a Generative Model of V1
Daniel Yasumasa Takahashi	Uncovering the Theta Wave Circuitry in Wistar Rat During Alert and Desynchronized Sleep States
Denise Berger	Neural correlation reveals spatial topography in cat visual cortex
Denny Joseph	Towards an Integral Model of Basal Ganglia: Exploring the multi-faceted role of Basal Ganglia in Motor Function
Eizo Miyashita	Temporal representation of arm dynamics in the primary motor cortex
Eliana Sampaio	Electrotactile stimulation of the tongue in the context of a fMRI
Hideo Hasegawa	Stationary and Dynamical Properties of Finite-Unit Neuron Ensembles Described by a Generalized Rate-Code Model
Hideyuki Takahashi	Detection of individual differences in matching penny
Hiromasa Takemura	Perceptual ambiguity by luminance contrast and reward predictive activity in the brain
Hiroshi Sasaki	Brain activities related to post-sleep recognition performance during memory encoding of words
Hiroshige Takeichi	Assessment of speech comprehension: application of m-sequence modulation and independent component analysis to
Hosaka Ryosuke	Interspike interval statistics of two-dimensional neurons
Ito Takao	Storage and propagation of signal in the chaotic network with feedback of neurons
Jiro Okuda	Trade-off between immediate cognition and future intention regulated by interaction between left and right medial prefrontal cortices: a functional MRI study
John Long	Multi-site, Multi-electrode Recording and Microstimulation in Behaving Rats for the Determination of Sensorimotor Transforms
Julian Tejada /Antonio Roque	A computational model of rat exploratory behavior in the elevated plus-maze
Jun Igarashi	Influence of the Type of Symmetry of the STDP Rule on the Theta-Phase Coding in the Entorhinal Cortex with Entorhinal-Hippocampal Loop Connections
Junji Ito	Spontaneous transitions between different synchrony patterns observed in the resting state EEG activity
Kazuhiro Matsumoto	A Low-Dimensional Dynamics in a Spark Ignition Engine of Motorcycle and its Control
Kazuki Nakada	Synchronization Properties of Two Pulse-Coupled Resonate-and-Fire
Kazuyuki Samejima	Estimating hidden variables in the brain and assessing models of animal and human decision making

Kensuke Arai	Noise-Induced Synchronization of the Local Field Potential of a Random Network of Neurons
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Poster presentation: March 8th, 2007, 15:15-16:45

Speaker	Title
Lilach Avitan	Resolving the dynamics of EEG generators by multichannel recordings
Mahdi Jalili	Mapping of EEG synchronization in schizophrenia patients with state-space analysis
Manami Yamamoto	Brain mechanism for reward prediction on perceptually ambiguous random dot motion stimulus
Maryam Moosavi	Insulin protects against stress-induced impairments in water maze performance
Michiyo Iba	Neuronal activity in the monkey locus coeruleus during the performance of oculomotor tasks
Muneyoshi Takahashi	Episode-dependent activity of rat hippocampal CA1 area during memory-guided spatial alternation task
Nanae Matsuno	The stability of in vivo firing patterns of cortical neurons
Olga Hangodi	In vivo and in vitro effects of orexin-A in the bed nucleus of stria
Ralph Meier	Simulated neural network dynamics can resemble characteristics of human EEG: Beyond mean-field models
Ravi Rao	Performance characterization of an oscillatory neural network that achieves binding through phase synchronization
Rodrigo F. Oliveira /Antonio Roque	A realistic model of the mammalian primary visual cortex exhibiting orientation selectivity diversity and laminar dependence
Sayuri Takahira	Contribution of eye movements to neural network activation in mental
Shigeru Kuroda	On a type of hierarchical coding in the hippocampus model
Shuntaro Okazaki	Adaptation of N2 response affects difference-specificity of sound duration discrimination
Takeaki Shimokawa	Inhibitory neurons facilitate rhythmic activity in a neural network
Tetsuhiko Sasaki	Effect of social stimuli on the development of learning capability in the honeybee, <i>Apis mellifera</i>
Tetsuya Matsuda	Attention dysfunction during visual and auditory target detection task in patients of schizophrenia
Tobias Potjans	Grid Computing for Computational Neuroscience
Tsvi Achler	Object Classification with Recurrent Loop Networks
Vladimir Gontar	Discrete Biochemical Reactions Dynamics of the Neural Networks and Brain Creativity Mathematical Modeling
Watanabe Masataka	Neural substrate of initial selection and verification of strategies in an arithmetic search task: an fMRI study
Wiebke Potjans	Reinforcement Learning in Spiking Neural Networks
Xiaochuan Pan	Predicting reward by primate prefrontal neurons in unexperienced
Xin JIN	Spatiotemporal Response Patterns Encode Motion Information in
Yamaguti Yutaka	A Physiological Model for Cantor Coding
Yasuko Sugase-miyamoto	Distributions of dopamine D2 receptors in macaque inferior temporal
Y-h. Taguchi	Detecting correlation between neuron signals using non-metric multidimensional scaling
Yohei Yamada	Neural mechanisms of perceptual alternations revealed by information

Yoshiyuki Yamazaki	Organization of Multisynaptic Inputs from Hippocampal Area CA1 to Primary Auditory Cortex and Auditory Thalamic Nuclei
Yu Ohigashi	Modeling of autonomous task setting ability based on reuse of