Colloquia and Symposia Sponsored by ION (2010.01-2010.12)

Date	Name	Affiliations	Title
10-01-05	Tao Wang	Postdoctoral Fellow, Division of Basic Science, Fred Hutchinson Cancer Research Center, USA.	Neuronal degeneration, lessons from Drosophila.
10-03-02	Gong Chen	Associate Professor, Department of Biology, The Pennsylvania State University, USA.	Cytoskeleton modulation and neurodegeneration.
10-03-05	George Augustine	G.B. Geller Professor, Department of Neurobiology, Duke University Medical Center, USA.	Novel optogenetic approaches to mapping functional brain circuitry.
10-03-17	Bing-Gui Sun	Postdoctoral Fellow, University of California at San Francisco, USA.	New Insight into Alzheimer's Disease: Reduce Amyloid Beta and Boost Neurogenesis.
10-03-17	Fu-De Huang	Investigator, Unit of Neurodegenerative Diseases, Institute of Neuroscience, SIBS, CAS.	Age-dependent presynaptic and axonal changes induced by Aß expression and potential regulators in Drosophila.
10-03-17	Chen Zhang	Research Associate, Stanford University, USA.	Synaptic function of Alzheimer's disease genes, Presenilin 1 and 2.
10-03-19	Hong-Xuan Lin	Investigator, Institute of Plant Physiology and Ecology, SIBS, CAS.	水稻重要性状分子遗传机理研究
10-03-19	Jia-Huai Han	Professor, School of Life Science, Xiamen University.	The function of RIP3 kinase in necrosis.
10-03-30	Greg Bashaw	Associate Professor, School of Medicine, University of Pennsylvania, USA.	Molecular Mechanisms of Axon Guidance at the Midline.
10-04-07	Jin Xu	Assistant Professor, Neurology, Neuroscience Program, Tufts University School of Medicine, USA.	Transcriptional Regulation in Parkinson's Disease.
2010-4-7	Xiao-Qing Liu	Professor and Deputy Director, Stem Cell Research Center and Department of Regenerative Medicine, Tongji University School of Medicine.	Studies of phototransduction by using animal models.
10-04-07	Zheng-Zheng Bao	Associate Professor, Departments of Medicine, University of Massachusetts Medical School, USA.	Signaling and membrane trafficking processes in Sonic hedgehog-mediated axon guidance
10-04-12	Xiao-Qin Wang	Professor, Department of Biomedical Engineering, Johns Hopkins University, USA.	Marmoset as a model for understanding the neural basis of human vocal communication.
10-04-21	Randolf Menzel, Dr. rer. nat.	Professor, Freie Universität Berlin, Germany.	Multiple neural traces of learning and memory in the honeybee brain: single neuron

			and network properties.
10-04-27	Barry Richmond	Senior Scientist, Laboratory of Neuropsychology, National Institute of Mental Health, NIH, USA.	Studies into the neurobiological basis of stimulus-outcome learning in monkeys.
10-05-10	Linda Van Aelst	Professor, Cold Spring Harbor Laboratory, USA.	Regulators of Rho proteins in neuronal development and disease.
10-05-13	Craig Montell	Professor, Department of Biological Chemistry, The Johns Hopkins School of Medicine, USA.	TRP channels: from sensory signaling to neurodegenerative disease.
10-05-14	Li Zhang	Assistant Professor, University of Southern California, USA.	Synaptic circuitry mechanisms underlying the function and development of the auditory cortex.
10-05-17	Yu-Guo Yu	Associate Research Scientist, Department of Neurobiology, School of Medicine, Yale University, USA.	Cortical Neural Coding Strategies for Input Signal Representation and Synaptic Communication.
10-05-17	David Featherstone	Associate Professor, Department of Biological Sciences, University of Illinois at Chicago, USA.	Molecular mechanisms controlling glutamatergic synapse strength and behavior.
10-05-17	Janet Richmond	Professor, Department of Biological Sciences, University of Illinois at Chicago, USA.	Mechanisms regulating the localization of nicotinic receptors at the C. elegans neuron muscular junction.
10-05-18	John Wemmie	Associate Professor, Department of Psychiatry, University of Iowa College of Medicine, USA.	Acid sensing ion channels: a novel therapeutic target for anxiety and depression?
10-06-11	Lu Chen	Associate Professor, University of California, Berkeley.	Translational regulation of synaptic strength: from retinoic acid to Fragile-X.
10-06-11	Thomas Südhof	Professor and HHMI, Stanford University School of Medicine, USA.	Mechanism and Function of Fast Neurotransmitter Release.
10-07-14	Zhou-Feng Chen	Professor, Washington University, USA.	Unraveling the mystery of itch.
10-07-15	Xin Yu	Research Fellow, National Institute of Neurological Disorders and Stroke, National Institutes of Health, USA.	Functional mapping the rodent brain using high field MRI.
10-07-15	Tianzi Jiang	Professor of Brain Imaging and Cognitive Disorders, Chinese Director of LIAMA, National Laboratory of Pattern Recognition, Institute of Automation, Chinese Academy of Sciences.	Studies of Brain Networks with Multimodal Magnetic Resonance Imaging.
10-07-16	Michael Shadlen	Professor, Department of Physiology & Biophysics, University of Washington School of Medicine, USA.	Believing and Time: A Neural Mechanism for Decision Making.
10-07-19	Michael Hausser	Professor, Department of Physiology, University College London, UK.	Dendritic computation.

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10-08-03	Dong-Lin Bai	Associate Professor, Department of Physiology and Pharmacology, The University of Western Ontario, Canada.	Human disease linked mutants in gap junction channels.
10-08-04	C. Ron Yu	Assistant Investigator, Stowers Institute for Medical Research, USA.	Odors Recognition and Discrimination: Insights from Transgenic Mice.
10-08-12	Bin-Hai Zheng	Associate Professor, Department of Neurosciences, University of California San Diego, USA.	Axon regeneration in the CNS: myelin inhibitors and beyond.
10-08-13	Michael Stryker	Professor, University of California, San Francisco, USA.	How neural activity and molecular cues guide the formation of maps in the brain and connections between brain areas.
10-08-14	Xiaoping Hu	Professor and Georgia Research Alliance, Endowed Eminent Scholar in Imaging, Coulter Department of Biomedical Engineering, Georgia Tech and Emory University	In Vivo Magnetic Resonance in Neuroscience Research.
10-08-25	Shao-Wu Zhang	Professor, The Australian National University.	Small Brains, Smart Minds: New evidence of higher cognitive function emerging from the small brain.
10-08-25	Martin Giurfa	Professor, University Paul Sabatier, France.	Accessing the neural bases of cognitive processing: lessons from an insect brain.
10-08-27	Songhai Shi	Assistant Member, Memorial Sloan-Kettering Cancer Center	Mammalian Neocortex Development: from Neurogenesis to Circuit Formation.
10-09-21	Jack Feldman	Distinguished Professor, Department of Neurobiology, David Geffen School of Medicine, University of California, Los Angeles, USA.	Looking for inspiration, the search for the oscillator(s).
10-09-26	Günther Schütz	Helmholtz Professor, Molecular Biology of the Cell I, German Cancer Research Center.	Crucial role of the nuclear receptor tailless (Tlx) in neural stem cells and brain tumor formation.
10-09-28	Gerald W. Zamponi	Professor, Department of Physiology and Pharmacology, University of Calgary, Canada.	Regulation of NMDA receptors - implications for pathophysiology
10-10-15	Guang-Ping Gao	Professor, University of Massachusetts Medical School, USA.	AAV evolution: from the smallest virus to a highly efficient and stable vector fro CNS gene transfer.
10-10-27	Ian Macara	Professor, University of Virginia School of Medicine, USA.	Cell Polarity Proteins and Synapse Formation in Hippocampal Neurons.
10-10-29	Azad Bonni	Professor, Department of Pathology, Harvard Medical School, USA.	Regulation of Neuronal Circuitry in the Brain by Ubiquitin Pathways.
10-11-01	James McNamara	Professor and Chairman, Department of Neurobiology, Duke University Medical Center, USA.	Transactivation of the BDNF receptor, TrkB, by the divalent cation, zinc

10-11-02	Curtis Baker	Professor, Department of Ophthalmology, McGill University, Canada.	Neural mechansims for cue-invariant boundary segmentation in early visual cortex.
10-11-03	Erich Buchner	Professor, Department of Neurobiology and Genetics, University of Wuerzburg, Germany.	Presynaptic proteins and their roles in olfactory conditioning of Drosophila.
10-11-15	Qing-Ming Luo	Professor, Hua Zhong University of Science and Technology.	Micro-Optical Sectioning Tomography to Obtain a High-Resolution Atlas of the Mouse Brain.
10-11-30	Jing Wang	Associate Professor, University of California, San Diego, USA.	Modulation of olfactory circuits in the hungry fly.
10-12-13	Hong-Sheng Li	Associate Professor, University of Massachusetts Medical School, USA.	How Drosophila achieves rapid vision.
10-12-24	Zi-Jiang He	University Scholar and Professor, Department of Psychological and Brain Sciences, University of Louisville, USA.	Push-Pull Perceptual Learning Modifies Ocular Dominance.
10-12-29	Wei Lu	Postdoctoral Fellow, University of California, San Francisco, USA.	Single-cell genetic analysis of synaptic glutamate receptors.

Institute of Neuroscience Lectures

Speaker: Michail Tsodyks, Ph.D.

Professor,

Department of Neurobiology,

Weizmann Institute of Science, ISRAEL.

Title 1: Mathematical modeling of short-term synaptic plasticity in neocortex.

Time: 2010.03.11 (Thursday)

13:30 PM

Place: Room 430, ION Building.

Host PI: Dr. Si Wu

Title 2: Information processing in recurrent neural networks with population

spikes.

Time: 2010.03.12 (Friday)

13:30 PM

Place: Room 430, ION Building.

Host PI: Dr. Mu-Ming Poo

Title 3: Synaptic theory of working memory.

Time: 2010.03.16 (Tuesday)

13:30 PM

Place: Room 430, ION Building.

Host PI: Dr. You-Sheng Shu

Shanghai Symposium on Frontiers of Neuroscience

Date and time: 09:00-16:30, April 18, 2010

Place: Lecture Hall of SIBS Building, 320 Yue Yang Road, Shanghai 200031

1. Yuh-Nung Jan, Professor, University of California, San Francisco.

Mechanisms of dendrite morphogenesis and its role in neuronal function and neurological disorders.

2. Lily Jan, Professor, University of California, San Francisco.

Potassium channel regulation and mental disorders.

3. Richard Tsien, Professor, Stanford University.

Synaptic Adaptation in Recurrent Networks: Reallocation of Presynaptic Resources?

4. Gyorgy Buzsaki, Professor, Rutgers University.

Oscillations, cell assembly sequences and cognition.

5. Linda Buck, Professor, University of Washington.

Unraveling smell.

6. Hitoshi Sakano, Professor, University of Tokyo.

Sequential arrival and graded secretion of Sema3F by olfactory axons specify the glomerular map topography.

7. Andreas Luthi, Senior Group Leader, Friedrich Miescher Institute.

Defining the neuronal circuitry of fear.

8. Michael Fee, Professor, Massachusetts Institute of Technology

The role of basal ganglia-forebrain circuits for vocal learning in the songbird.

9. May-Britt Moser, Professor, Norwegian University of Science and Technology.

How does the brain navigate in space?

10. Nikos Logothetis, Professor, Max Planck Institute for Biological Cybernetics.

Neurovascular Coupling: Insights from Physiology, Neuropharmacology &

Electrical Microstimulation.

Shanghai Symposium on Frontiers of Neuroscience

Date and time: 08:00-12:15, May 21, 2010

Place: Lecture Hall of SIBS Building, 320 Yue Yang Road, Shanghai 200031

Chair: Mu-Ming Poo

- Susumu Tonegawa, Professor of MIT, Director of RIKEN BSI
 Can the Hippocampus Predict the Future?
- 2. Fred Gage, Professor, The Salk Institute for Biological Studies

 Regulation and function of adult neurogensis in the dentate gyrus
- 3. Joshua Sanes, Professor, Harvard University

 Development and function of retinal circuitry
- 4. Takao Hensch, Professor, Harvard University

 Shaping circuits by experience
- Richard Morris, Professor, University of Edinburgh
 Memory Consolidation: Synaptic tagging and schemas
- 6. Carla Shatz, Professor, Stanford University

 Releasing the Brakes on Synaptic Plasticity

Frontier in Computational and Systems Neuroscience

Date and time: 13:30 - 16:30, July 9, 2010

Place: Lecture Hall of SIBS Building, 320 Yue Yang Road

Chair: Dr. Si Wu

13:30 - 14:20 Dr. Eve Marder, Professor of Brandeis University

Variability, Compensation and Homeostasis in Neuronal Circuits

14:30 - 15:20 Dr. Robert Desimone, Professor of MIT

Neural synchrony and selective attention

15:40 - 16:30 Dr. Xiao-Jing Wang, Professor of Yale University

Mechanisms and theory of `cognitive-type' cortical microcircuits