

## Colloquia and Symposia Sponsored by ION (2015.01-2015.12)

Date	Name	Affiliations	Title
2015.01.07	Georg Northoff	University of Ottawa, Canada	Why is the brain's resting state relevant for mental features and their alterations in neuropsychiatric disorders?
2015-01-08	Hee-Sup Shi	Center for Cognition and Sociality, Institute for Basic Science, Korea	Thalamocortical circuits in control of consciousness and cognition
2015-01-14	Michael M. Merzenich	Brain Plasticity Institute, U.S.A.	Brain plasticitybased medicine
2015-02-05	Qinghua Liu	UT Southwestern Medical Center, U.S.A.	Biochemical Reconstitution of the Catalytic Engine of RNA Interference
2015-03-16	Luping Shi	Department of Precision Instrument, Center for Brain-like Computing, Tsinghua University	Brain-like Computing – Development of Computer Inspired by Brain Science
2015-03-26	Minghu Han	Icahn School of Medicine at Mount Sinai U.S.A.	Neural Circuit Mechanisms of Susceptibility and Resilience to Social Stress
2015-03-31	Ru-Rong Ji	Duke University Medical Center, U.S.A.	Secreted miRNAs as novel neuromodulators and pain mediators
2015-04-09	Hua-Tai Xu	Developmental Biology Program, Memorial Sloan Kettering Cancer Center, U.S.A.	Organizing the Cerebral Cortex-The Role of Lineage Relationship in the Hippocampus
2015-04-16	Yan Yang	Research Associate, Department of Neurobiology, Duke University School of Medicine, U.S.A.	We can see it in your eyes: What do eye movements tell us about the brain
2015-05-08	Doris Tsao	California Institute of Technology, U.S.A.	The macaque face patch system: A window into object representation
2015-05-08	Claire Wyart	Institut du Cerveau et de la Moelle épinière, France	A new sensory motor loop interfacing the cerebrospinal fluid with the central pattern generator in vertebrates
2015-05-19	Kai Wang	Janelia Research Campus, Howard Hughes Medical Institute, USA	Imaging molecules and cells at high spatiotemporal resolution throughout whole living organisms
2015-05-20	Joy Hirsch	Yale School of Medicine, U.S.A.	Neural mechanisms for cross-brain human communication: A functional near infrared spectroscopy investigation

2015-05-26	Jun Wang	Columbia University, U.S.A	Exploring Data Heterogeneity for Brain Computer Interface: A Case Study of Hybrid Machine Vision System
2015-05-26	Yingxi Lin	The McGovern Institute for Brain Research, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, U.S.A.	Capturing Experiences
2015-06-02	Jun Yan	Max-Planck Independent Research Group Leader, PICB, SIBS, Shanghai, China	Computational Analysis of Biological Networks
2015-06-10	Barry J. Richmond	Section on Neural Coding and Computation, Laboratory of Neuropsychology, NIMH/NIH/DHHS	From stimulus identity to stimulus value: a system with contributions from temporal and prefrontal cortices
2015-06-12	David Hansel	Center of Neurophysics, Physiology and Pathology, Paris Descartes University, France	The balanced state: from physics to brain functions
2015-06-18	Yuan Wang	The Gilbert Family Neurofibromatosis Institute, Children's National Medical Center, U.S.A.	Investigating the Role of Tumor Suppressor Genes p53 and Nf1 in Neural Stem Cells and Glioblastoma Development
2015-06-23	Michael Stryker	UCSF Sandler Neurosciences Center, U.S.A.	A neural circuit that regulates cortical state and plasticity
2015-06-25	Yoshihiro Kubo	National Institute for Physiological Sciences, Japan	Dynamic aspects of the function and stoichiometry of ion channel complexes
2015-07-07	Yanning Rui	University of Texas, U.S.A.	Hunting for the function of Huntingtin
2015-07-10	Yu Hu	University of Science and Technology of China	Does Artificial Intelligence Need a Cognitive Revolution?
2015-07-21	Shih-Wei Wu	Institute of Neuroscience, National Yang-Ming University, Taipei	Weighting the past and the present: Neural computations for probabilistic inference about rewards
2015-07-24	Liqun Luo	HHMI Investigator, Stanford University, U.S.A.	Dissecting Neural Circuits: From Single Neuron to Global Connectivity
2015-07-24	Naoshige Uchida	Harvard University, U.S.A.	Arithmetic and neural circuitry underlying dopamine prediction errors
2015-08-04	Xiaoxiang Zheng	Executive president of Qiushi Academy for Advanced Studies (QAAS), Zhejiang University	Brain-machine Interface @ QAAS
2015-08-19	Wei Chen	Zhejiang University	膜蛋白的单分子原位动态检测及研究
2015-08-19	Cong Ma	Huazhong University of Science & Technology	神经递质分泌基本步骤的体外重组

2015-08-21	Michael Garwood	Center for Magnetic Resonance Research, University of Minnesota, U.S.A.	Frequency- and Gradient-modulated MRI: toward MRI using highly inhomogeneous field
2015-09-02	Liping Wang	Inserm-CEA Cognitive Neuroimaging Unit, France	Abstract representation of auditory patterns in macaque and human brains
2015-09-08	He Cui	Brain and Behavior Discovery Institute and Department of Psychiatry, Georgia Regents University, U.S.A.	Decipher Sensorimotor Codes in Primate Association Cortex
2015-09-17	John Ngai	University of California, Berkeley, U.S.A.	Cellular diversity and neural regeneration in the olfactory stem cell niche
2015-11-05	Samer Hattar	Department of Biology, The Johns Hopkins University, U.S.A.	Grand Challenges and Recent Progresses of Brain-inspired Intelligence
2015-11-16	Robert Bartha	The University of Western Ontario, Canada	Development of Imaging Biomarkers for Early detection of Alzheimer's Disease
2015-12-03	Guang-Zhong Wang	University of Texas Southwestern Medical Center, Dallas, US	Decoding the Transcriptome of Behavior: from Yeast to Human Brain
2015-12-15	Bin Hu	School of Information Science & Engineering, Lanzhou University	认知障碍的可计算方法研究
2015-12-15	Dezhong Yao	School of Life Science and Technology, University of Electronic Science and Technology of China	多模态脑信息研究
2015-12-25	Xiaolong Jiang	Department of Neuroscience, Baylor College of Medicine, Houston, TX.	Micro-Connectome in Rodent and Primate: From Single Neuron to Connectivity Principles in Canonical Cortical Microcircuit
2015-12-25	Yong Zhang	Department of Neuroscience, Johns Hopkins University School of Medicine	Visualizing AMPA receptor synaptic plasticity in vivo
2015-12-25	Zhiyong Liu	Howard Hughes Medical Institute (HHMI)/Janelia Research campus, Ashburn, VA	Specification of diverse cell fates from a common lineage-specific neural stem cell



## 2015 ION Mini-Symposium on Glial Cell Development and Function

- 14:30—14:35 **Muming Poo**, Director, Institute of Neuroscience  
*Welcome Speech*
- 14:35—15:15 **Benjamin Deneen**, Baylor College of Medicine, USA  
*Title: Developmental gliogenesis: the crossroads of cell fate and malignancy in the CNS*
- 15:15—15:55 **Changjoon Justin Lee**, Korea Institute of Science & Technology, Republic of Korea  
*Title: The Reactive Astrocytes: the Good, the Bad, and the Ugly*
- 16:10—16:55 **Masamitsu Iino**, University of Tokyo, Japan  
*Title: In vivo imaging of physiological and pathological  $Ca^{2+}$  dynamics in astrocytes*
- 16:55—17:40 **Marco Prinz**, University of Freiburg, Germany  
*Title: Origin and function of microglia*

Host PI: 周嘉伟 研究员

地点: 生命科研大楼 A405室 (报告厅)

时间: 2015年6月19日 (星期五) 下午2:30—5:40

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中国科学院神经科学研究所

# 2015神经所系统神经学研讨会 ION Mini-symposium on Systems Neuroscience

时间：2015年7月4日（星期六）08:00 – 12:00

地点：上海市岳阳路320号新生命实验大楼A座405报告厅

| 08:00-08:55 | Jose Carmena

美国加州大学伯克利分校正教授，神经工程领域国际联合会主任  
Associate Professor, UC Berkeley, Co-Director of the Center  
for Neural Engineering and Prostheses at UC Berkeley and  
UCSF, U.S.A.  
*Large-scale Neural Circuit Dynamics During Skill Learning*

| 08:55-09:50 | Vikaas Sohal

美国旧金山大学旧金山分校助理教授  
Assistant Professor, UC San Francisco, U.S.A.  
*Prefrontal GABAergic circuits regulate cognitive flexibility*

| 09:50-10:10 | Break

University of Basel, Switzerland  
*From retina to cortex: computation and repair.*

中科院上海生科院神经科学研究所  
神经科学国家重点实验室  
中国科学院脑科学卓越创新中心  
中国科学院灵长类神经生物学重点实验室

联合主办



# Mini-symposium on Imaging Neuronal and Circuit Dynamics

日期：2015年12月4日（星期五）

时间：13:30 — 18:00

地点：上海市岳阳路320号生命科学实验楼A405报告厅

- 13:30 - 14:20 *Angus Silver*  
*Professor, University College London*  
**Development and application of 3D Acousto-Optic Lens  
two-photon microscopy.**
- 14:20 - 15:10 *Michael Hausser*  
*Professor, University College London*  
**All-optical interrogation of neural circuits.**
- 15:10 - 16:00 *David Kleinfeld*  
*Professor, University of California at San Diego*  
**Circuits that integrate orofacial motor actions into behaviors.**
- 16:20 - 17:10 *Wenbiao Gan*  
*Professor, New York University*  
**Experience-dependent dendritic spine plasticity in the cortex.**
- 17:10 - 18:00 *Ryohei Yasuda*  
*Research Group Leader, Max Planck Florida Institute for Neuroscience*  
**Signaling mechanisms underlying structural plasticity of  
dendritic spines.**

主办单位：

中科院上海生科院神经科学研究所

中科院脑科学与智能技术卓越创新中心

神经科学国家重点实验室

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