

Colloquia and Symposia Sponsored by ION (2015.01-2015.12)

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

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

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

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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中科院上海神经科学研究所



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副教授，神经工程和假体中心联合主任
Associate Professor, UC Berkeley, Co-Director of the Center for Neural Engineering and Prosthesis at UC Berkeley and UCSF, U.S.A.

Large-Scale Neural Circuit Dynamics During Skill Learning.

[08:55-09:50] **Vikaas Sohal**

美国加州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**

[10:10-11:05] **Nirao Shah**

美国加州大学旧金山分校教授
Professor, UC San Francisco, U.S.A.

Genetic and neural control of social behaviors.

[11:05-12:00] **Botond Roska**

瑞士巴塞尔大学教授
Professor, 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：

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