

Colloquia and Symposia Sponsored by ION (2009.01-2009.12)

| Date | Name | Affiliations | Title |
|----------|-------------------|--|--|
| 09-01-08 | Josep Rizo | Professor, Dept. of Biochemistry, University of Texas Southwestern Medical Center, USA. | <i>Structural Insights into the Mechanism of Neurotransmitter Release.</i> |
| 09-02-24 | Sheng Li | Research Fellow, School of Psychology, University of Birmingham, UK. | <i>Study the human perception and decision systems with multimodal brain imaging.</i> |
| 09-02-24 | Hong Xu | Postdoctoral Fellow, Department of Neuroscience, Columbia University, USA. | <i>Probing cortical hierarchy with visual adaptation: low-level curve adaptation affects high-level facial expression judgments.</i> |
| 09-02-25 | Chris I. De Zeeuw | Professor, Netherlands Institute of Neuroscience. | <i>Creating coordination in the cerebellum and the role of artificial networks for brain machine interfacing (robotics).</i> |
| 09-03-02 | Linda Richards | Associate Professor, Queensland Brain Institute, The University of Queensland, Australia. | <i>Mechanisms regulating the development of the corpus callosum.</i> |
| 09-03-02 | Hao-Xing Xu | Assistant Professor, Department of Molecular, Cellular & Developmental Biology, University of Michigan, USA. | <i>The Mucolipin Transient Receptor Potential Proteins, I(r)on Channels in the Lysosome.</i> |
| 09-03-05 | John Waddington | Professor, Royal College of Surgeons in Ireland. | <i>Targeted deletion of dopamine receptor subtypes and genes associated with risk for psychosis: brain-behaviour relationships for Axon formation and polarized transport.</i> |
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| 09-03-24 | Zi-Long Qiu | Postdoctoral Fellow, University of California, San Diego, USA. | <i>Transcriptional control of neural plasticity.</i> |
| 09-04-03 | Harold Kimelberg | Professor, School of Public Health Sciences, State University of New York at Albany, USA. | <i>Functions of mature mammalian astrocytes and the philosophical limits of the scientific method.</i> |
| 09-04-09 | Michael Coleman | Principal Investigator, The Babraham Institute, Cambridge, UK. | <i>Molecular regulation of Wallerian degeneration.</i> |
| 09-04-11 | Thomas Insel | Director, National Institute of Mental Health, National Institutes of Health, USA. | <i>Rethinking Mental Illness.</i> |
| 09-04-14 | Ming Guo | Assistant Professor, Department of Neurology, UCLA. | <i>Molecular Paths to Alzheimer's and Parkinson's disease.</i> |

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| 09-04-28 | Bo Chen | Postdoctoral Fellow, Department of Genetics, Harvard Medical School, USA. | <i>HDAC4 regulates neuronal survival in normal and diseased retinas.</i> |
| 09-04-28 | Shi-Qing Cai | Research Teaching Specialist III, Department of Physiology & Biophysics, University of Medicine & Dentistry of New Jersey, USA. | <i>The Molecular Regulations and Physiological Roles of Potassium Channels.</i> |
| 09-04-29 | David Adams | President, Australian Physiological Society. Professor and Chair of Physiology, Queensland Brain Institute, University of Queensland, Australia. | <i>Analgesic conotoxins targeting neuronal nicotinic receptors or GABA-B receptors?</i> |
| 09-04-30 | Ron Stoop | Centre for Psychiatric Neuroscience (CNP), Dept. of Psychiatry and Physiology, Lausanne University Hospital, University of Lausanne | <i>Dissecting the fear response: Distinct circuits in the central amygdala underlie behavioral responses to oxytocin.</i> |
| 09-05-22 | Lucas Pozzo-Miller | Associate Professor, Department of Neurobiology, The University of Alabama at Birmingham, USA. | <i>BDNF actions on both sides of synapses: TRPC channels, MeCP2 and the cellular neuropathology of Rett syndrome.</i> |
| 09-05-27 | Charles Stevens | Professor, Molecular Neurobiology Laboratory, The Salk Institute, USA. | <i>The basic uniformity in structure of the neocortex, revisited.</i> |
| 09-05-28 | Charles Stevens | Professor, Molecular Neurobiology Laboratory, The Salk Institute, USA. | <i>What the primary visual cortex computes, and how it does it.</i> |
| 09-06-05 | Andrew J Parker | Professor, Dept. Physiology, Anatomy & Genetics, University of Oxford, UK. | <i>Cortical neurons sustain both task-relevant and decision-related neuronal signals across irrelevant, unpredictable changes in the sensory input.</i> |
| 09-06-10 | Le-Ping Cheng | Principal Investigator, Institute of Biochemistry and Cell Biology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences. | <i>Specification of neurotransmitter phenotypes in the dorsal spinal cord.</i> |
| 09-06-11 | James Q. Zheng | Professor, Department of Cell Biology, Emory University School of Medicine, USA. | <i>Cytoskeletal control of synaptic receptor trafficking.</i> |
| 09-06-22 | Hong-Jun Song | Associate Professor, Johns Hopkins University School of Medicine, USA. | <i>Activity-induced plasticity in the dentate gyrus of the adult hippocampus.</i> |
| 09-06-22 | Guo-Li Ming | Associate Professor, Johns Hopkins University School of Medicine, USA. | <i>Regulation of dentate granule cell development by DISC1.</i> |
| 09-06-23 | Kang Shen | Assistant Professor, Department of Biological Sciences, Stanford University, USA. | <i>Extrinsic and intrinsic regulators of synapse formation and axonal transport.</i> |

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| 09-06-29 | Donald C. Lo | Associate Professor, Department of Neurobiology, Duke University Medical Center | <i>New "high-throughput biology" methods for drug discovery and translational neuroscience.</i> |
| 09-07-01 | Ji-Song Guan | Postdoctoral Fellow, The Picower Institute for Learning and Memory, Massachusetts Institute of Technology, USA. | <i>The role of chromatin remodeling in learning and memory - HdDAC2, a memory repressor.</i> |
| 09-07-07 | Ype Elgersma | Professor, Dept of Neuroscience, Erasmus MC University Hospital. | <i>Molecular mechanisms underlying mental retardation disorders.</i> |
| 09-07-10 | Jian Kang | Associate Professor, Dept. Cell Biology and Anatomy, New York Medical College, USA. | <i>Long-term facilitation of excitatory synaptic release by astrocytic vacuole-like vesicles.</i> |
| 09-07-13 | Bruce R. Ransom | Warren and Jermaine Magnuson Professor and Chair, Department of Neurology, University of Washington School of Medicine. Editor-in-Chief, GLIA | <i>The molecular pathophysiology of CNS white matter injury.</i> |
| 09-07-13 | Jean-Pierre Mothet | Principal Investigator, INSERM Unit 862 - Bordeaux, France. | <i>Uncovering the release machinery and the function of the gliotransmitter D-serine in the cerebral cortex.</i> |
| 09-07-17 | Marina Bentivoglio | IBRO Secretary General. Professor, University of Verona, Italy. | <i>Brain clocks in flame.</i> |
| 09-07-31 | Susan Ackerman | Investigator and Professor, Howard Hughes Medical Institute and The Jackson Laboratory, USA. | <i>Forward genetics reveals novel mechanisms of protein misfolding and neurodegeneration.</i> |
| 09-08-17 | Xia Zhang | Associate Professor, Departments of Psychiatry and Cellular & Molecular Medicine, Faculty of Medicine, University of Ottawa, Canada. | <i>A key role of astrocyte-mediated ventral tegmental LTD in cannabis addiction.</i> |
| 09-08-20 | Qing Richard Lu | Associate Professor, Department of Developmental Biology, UT Southwestern Medical Center, USA. | <i>Paving the axonal highway - a view of genetic and epigenetic control of CNS myelination.</i> |
| 09-08-21 | Lin Mei | Professor, Institute of Molecular Medicine and Genetics, Medical College of Georgia, USA. | <i>Synapse formation and plasticity: implications in muscular dystrophy and schizophrenia.</i> |
| 09-08-31 | Cheng-Yu Li | Postdoctoral Fellow, Department of Molecular & Cell Biology, Helen Wills Institute of Neuroscience, University of California, Berkeley, USA. | <i>Power of Individual & Wisdom of Majority - Global brain-oscillation modification by single-neuron burst-spiking & Synaptic-plasticity modulation by cortical slow-wave oscillation.</i> |
| 09-09-02 | Yi Zuo | Assistant professor, Department of Molecular Cell and Developmental Biology, University of California, Santa Cruz, USA. | <i>Imaging structural plasticity at synapses in the living brain.</i> |

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| 09-09-08 | Bruce Alberts | Professor of Biochemistry and Biophysics, University of California, San Francisco; Editor-in-Chief, Science magazine. | <i>Biology past and biology future: where have we been and where are we going?</i> |
| 09-09-11 | Wei Chen | Associate Professor, Department of Neurobiology and Anatomy, University of Texas Health Science Center at Houston, USA. | <i>Olfactory Coding and Processing: A Dual-Layer Twister on Stage.</i> |
| 09-10-14 | Hans van der Steen | Associate Professor, Erasmus MC, Netherlands. | <i>Plasticity versus flexibility in visuomotor control.</i> |
| 09-10-15 | John R. Yates | Professor, Department of Chemical Physiology, The Scripps Research Institute, USA. | <i>Driving Biological Discovery Using Quantitative Mass Spectrometry.</i> |
| 09-10-29 | Sen Song | Postdoctoral Fellow, MIT, USA. | <i>Deciphering neural circuits.</i> |
| 09-11-02 | Peter Their | Professor and Director, Department Cognitive Neurology, Hertie Institute for Clinical Brain, University of Tübingen, Germany. | <i>The cerebellar basis of motor learning.</i> |
| 09-11-03 | Anirvan Ghosh | Stephen Kuffler Professor of Neurobiology, University of California San Diego, USA. | <i>Molecular Control of Synaptic Specificity.</i> |
| 09-11-03 | Yi-Min Zou | Associate Professor, University of California, San Diego, USA. | <i>Wnt and Cell Polarity Signaling Pathways in Growth Cone Guidance.</i> |
| 09-11-03 | Tomomi Shimogori | Unit Leader, RIKEN BSI, Japan. | <i>Development of the mammalian thalamus.</i> |
| 09-11-12 | Xiang-Lei Yang | Associate Professor, Department of Molecular Biology, The Scripps Research Institute, USA. | <i>How aminoacyl-tRNA synthetases are connected with neurological disorders.</i> |
| 09-11-19 | Jiyan Ma | Associate Professor, Department of Molecular and Cellular Biochemistry, Ohio State University, USA. | <i>Generating an infectious prion: searching the final prove of prion hypothesis.</i> |
| 09-12-11 | Xiaoliang Sunney Xie | Mallinckrodt Professor of Chemistry and Chemical Biology, Harvard University, USA. | <i>Life at the Single Molecule Level: Real Time Observation of Gene Expression and Regulation in a Living Cell.</i> |
| 09-12-16 | Brian B. RUDKIN | Université de Lyon, FRANCE. | <i>Peptide aptamers as precision tools for dissecting signaling pathways: application to Nerve Growth Factor signalling.</i> |
| 09-12-18 | Yi Zhong | Professor, Cold Spring Harbor Lab, USA. | <i>Towards a unified brain theory: Insights from studies of fly memory.</i> |

ION Symposium on Molecular Neuroscience

Date: March 26, 2009 (Thursday)

Place: SIBS Lecture Hall, 320 Yue Yang Road

1. Qiang Sun (Professor, East China Normal University)
高效试管食蟹猴构建技术
2. Tian-le Xu (Principal Investigator, Institute of Neuroscience, CAS)
Acid-sensing ion channels: New multi-functional cationic ion channels and novel therapeutic targets.
3. Zhi-qi Xiong (Principal Investigator, Institute of Neuroscience, CAS)
Neuronal Development and Mental Retardation.
4. Zhi-gang He (Associate Professor, Harvard University)
Intrinsic mechanisms of axon regeneration.
5. Fan Wang (Assistant Professor, Duke University Medical Center)
Peripheral-derived signals orchestrate the formation of somatosensory circuit.
6. Guo-ping Feng (Associate Professor, Duke University Medical Center)
Synaptic and circuitry mechanisms of obsessive compulsive-like behavior in mice.
7. Shu-min Duan (Principal Investigator, Institute of Neuroscience, CAS)
Lysosome exocytosis in glial cells: physiological function and pathological relevance.
8. Aaron J. W. Hsueh (Professor, Stanford University)
Discovery of neuronostatin and other evolutionarily conserved brain/gut peptide hormones.
9. Zhen-ge Luo (Principal Investigator, Institute of Neuroscience, CAS)
The role of calpain and caspase-3 in synapse remodeling.
10. Mu-ming Poo (Senior Investigator, Institute of Neuroscience, CAS)
Antagonistic actions of cAMP and cGMP in neuronal polarization.

Mini Symposium on "Molecules and circuits: how do neurons know where to go and whom to contact?"

Date: November 3, 2009 (Tuesday)

Place: SIBS Lecture Hall, 320 Yue Yang Road

Title *Molecular Control of Synaptic Specificity.*

Speaker Anirvan Ghosh, Ph.D.
Stephen Kuffler Professor of Neurobiology,
University of California San Diego, USA.

Title *Wnt and Cell Polarity Signaling Pathways in Growth Cone Guidance.*

Speaker Yi-Min Zou, Ph.D.
Associate Professor,
University of California, San Diego, USA.

Title *Development of the mammalian thalamus.*

Speaker Tomomi Shimogori, Ph.D.
Unit Leader,
RIKEN BSI, Japan.

Host PI Prof. Mu-Ming Poo