

## Colloquia and Symposia Sponsored by ION (2007.01-2007.12)

Date	Name	Affiliations	Title
07-01-12	Ke-Wei Wang	ChangJiang Professor of Department of Neurobiology and Neuroscience Research Institute, Peking University School of Medicine.	<i>Structural Basis of Functional Interaction of Auxiliary <math>KChIP</math> Subunits with A-type <math>Kv4</math> <math>K^+</math> Channels.</i>
07-01-15	James Allen Bibb	Assistant Professor, Department of Psychiatry, University of Texas Southwestern Medical Center, USA.	<i>Novel Neuronal Signal Transduction Pathways Mediating Learning and Memory.</i>
07-02-02	Gang Wang	Professor, Department of Bioengineering, Faculty of Engineering, Kagoshima University, Japan	<i>Functional organization of monkey inferotemporal cortex and view-invariant object recognition.</i>
07-03-26	Richard Borgens	Professor, Department of Basic Medical Sciences, School of Veterinary Medicine, Purdue University, USA.	<i>The role of natural and applied electric fields in neuronal regeneration and development.</i>
07-03-30	Wei Wang	The Wellcome Trust Advanced Training Fellowship, Faculty of Life Science, University of Manchester, UK.	<i>Cortico-thalamic Feedback effects on the early visual signal processing.</i>
07-04-02	Andre Goffinet	Professor, Developmental Neurobiology, University of Louvain Medical School, Belgium.	<i>Genetic control of the axonal blueprint.</i>
07-04-09	Laurent Schaeffer	Director, Laboratory of Molecular Biology of the Cell, Ecole Normale Supérieure de Lyon, France.	<i>Neuronal control of chromatin in skeletal muscle.</i>
07-04-12	Donald Faber	Professor, Department of Neuroscience, Albert Einstein College of Medicine, USA.	<i>Plasticity of Synaptic Transmission and Functional Network Organization.</i>
07-04-20	Ardem Patapoutian	Associate Professor, Department of Cell Biology, The Scripps Research Institute, USA.	<i>The fifth sense: the chemistry and biology of temperature and pain detection.</i>

07-04-24	Curtis L. Baker	Professor, Department of Ophthalmology, McGill University, Montreal, Canada.	<i>Representation of figure-ground boundaries in early visual cortex.</i>
07-05-11	Israel Silman	Professor, Department of Neurobiology, Weizmann Institute of Science, Israel.	<i>From Acetylcholinesterase to Natively Unfolded Proteins (and Back Again).</i>
07-05-18	Ying-He Hu	Professor and Executive Director, Shanghai Institute of Brain Functional Genomics, East China Normal University.	<i>Chemical genetic approach to study gene function.</i>
07-05-21	Li-Qun Luo	Professor, Department of Biological Sciences, Stanford University, USA.	<i>Wiring up the Olfactory Circuit in the Fly Brain.</i>
07-05-29	Mark Tanouye	Professor, Department of Molecular and Cell Biology, UC Berkeley, USA.	<i>Drosophila model of epilepsy: seizure-suppressor genes and drug development.</i>
07-06-06	Tian-De Shou	Professor, School of Life Science, Fudan University.	<i>Cross-stream modulatory effects of feedback signals from areas 21a and posteromedial lateral suprasylvian (PMLS) on the orientation and direction preference in the primary visual cortex of cats.</i>
07-07-02	Patric Stanton	Professor, Department of Cell Biology and Anatomy, New York Medical College, USA.	<i>Using two-photon imaging of FM1-43 to visualize long-term plasticity of transmitter release in brain slices.</i>
07-07-03	Yu-Peng Yang	Research Associate, Dept. of Neuroscience, Albert Einstein College of Medicine,	<i>Plasticity in the visual cortex: role of the balance of protein kinase and phosphatase.</i>
07-07-03	Xiao-Hua Gong	Associate Professor, University of California at Berkeley, USA.	<i>Forward genetic studies of eye development and diseases.</i>
07-07-06	Qi Yuan	Postdoc researcher, University of California at San Diego, USA.	<i>The memory of smell and beyond ...</i>
07-07-06	Jia-Wei Zhou	Principal Investigator, Institute of Biochemistry and Cell Biology, SIBS, Chinese Academy of Sciences.	<i>Targeting Reactive Astrocytes in the Pathogenesis of Parkinson's Disease.</i>
07-07-20	Morgan Sheng	Menicon Professor of Neuroscience, Massachusetts Institute of Technology, USA.	<i>Molecular studies of synaptic plasticity.</i>

07-08-07	Xiangdong William Yang	Assistant Professor, Department of Psychiatry & Biobehavioral Sciences, University of California at Los Angeles, USA.	<i>BAC Transgenic Approach to Study Basal Ganglia Function and Dysfunction.</i>
07-08-10	Jean-Francois Ferveur	Director of the CNRS Laboratory UMR-CNRS 5548, Development and Chemical Communication in Insects, University of Bourgogne, France.	<i>Pheromones and courtship in Drosophila.</i>
07-08-14	Bing GONG	Associate Research Scientist, Taub Institute for Research on Alzheimer's disease and the Aging Brain, Columbia University, NY.	<i>Ubiquitin-proteasome system in Alzheimer's disease: from pathogenesis to novel therapeutic strategies.</i>
07-08-17	Alexander Schier	Professor, Department of Molecular and Cellular Biology, Harvard University, USA.	<i>MicroRNAs in embryogenesis.</i>
07-08-17	Susan Mango	Associate Professor, Department of Oncological Sciences, University of Utah, USA.	<i>Making and shaping the foregut.</i>
07-09-07	Jackie Wood	Professor, Department of Physiology and Cell Biology, College of Medicine and Public Health, The Ohio State University, USA.	<i>Enteric Nervous System the Brain-in the Gut.</i>
07-09-10	Fu-Qiang Xu	Investigator, Wuhan Institute of Physics and Mathematics, Chinese Academy of Sciences.	<i>Application of fMRI in the Olfactory System of Rodents.</i>
07-09-21	David J. Linden	Professor, Department of Neuroscience, The Johns Hopkins University School of Medicine, USA.	<i>Axonal motility in the intact adult cerebellum.</i>
07-09-26	Ji-Fang Zhang	Associate Professor, Department of Physiology, Jefferson Medical College, USA.	<i>Feeling calcium: role of a novel calcium sensor in regulation of synaptic vesicle endocytosis by calcium.</i>
07-10-11	Michael Friedlander	Professor, Baylor College of Medicine, USA.	<i>Plasticity of layer 4 outputs in visual cortex - are all synapses equal?</i>

07-10-12	Charles F. Stevens	Howard Hughes Medical Institutes Investigator, Professor, The Salk Institute, USA.	<i>A universal principle governing the structure of axonal and dendritic arbors.</i>
07-10-13	Si Wu	Senior Lecturer in Neural Computation, Department of Informatics, Sussex University, UK	<i>Continuous Attractor Networks: A General Framework for Neural Information Processing.</i>
07-10-13	Mu Sun	Associate of Howard Hughes Medical Institute, University of Minnesota, Department of Genetics, Cell biology and Development.	<i>BMP/TGF-beta signaling pathway in adult brain--implication for psychiatric disorders.</i>
07-10-13	Michael J. Szulczewski	President, Prairie Technologies, Inc.	<i>Laser Microscopy Tools for Biology and Neuroscience.</i>
07-10-15	Dick Frans Swaab	Professor of Neurobiology at the Medical Faculty, University of Amsterdam, Netherlands.	<i>Neuronal atrophy and reactivation in Alzheimer's disease.</i>
07-10-18	Zu-Hang Sheng	Tenured Senior Principal Investigator, Chief, Synaptic Function Unit, NINDS, NIH, USA	<i>Control of axonal mitochondria trafficking and its impact on synaptic plasticity.</i>
07-10-19	Stefano Vicini	Professor, Dept. of Physiology & Biophysics, Georgetown University School of Medicine, USA.	<i>Synaptic and extrasynaptic GABA<sub>A</sub> receptor in cerebellum and striatum.</i>
07-10-23	Fwu-Shan Sheu	Associate Professor, Department of Biological Sciences, National University of Singapore.	<i>Functional and Transcriptional Study of a Molecular Candidate of Learning and Memory: Neurogranin.</i>
07-10-24	Annette Markus	Associate Editor, Nature Neuroscience.	<i>Getting published in Nature Neuroscience.</i>
07-11-05	Xi Zhu	Associate Professor, Department of Neuroscience and Center for Molecular Neurobiology, The Ohio State University, USA	<i>TRP channels and cell signaling.</i>
07-11-12	Stuart A. Lipton	Professor and Scientific Director, Burnham Center for Neuroscience, Aging, and Stem Cell Research.	<i>Pathologically-Activated Therapeutics to Combat Free Radical-Induced Protein Misfolding and Neurodegenerative Disorders.</i>

07-11-14	Min Li	Professor, Department of Neuroscience, Johns Hopkins University School of Medicine, USA.	<i>Regulation of Potassium Channels - a chemical and genetic exploration.</i>
07-11-19	Roe, Anna W.	Associate Professor, Department of Psychology, Vanderbilt University, USA.	<i>Imaging the modular basis of perception in primate cerebral cortex.</i>
07-11-21	Alexander Thiele	Professor, Institute of Neuroscience, Newcastle University, UK.	<i>Mechanisms and neuropharmacology of visual attention.</i>
07-12-05	Fu-De Huang	Associate Investigator, Laboratory of Neural Plasticity, Institute of Neuroscience, SIBS, CAS.	<i>Beta-amyloid induced age-dependent presynaptic changes.</i>
07-12-05	Xiao-Hui Zhang	Co-principle Investigator, Laboratory of Neural Plasticity, Institute of Neuroscience, SIBS, CAS.	<i>Action and Plasticity of Central GABAergic Interneurons.</i>
07-12-07	Xiao-Han Yu	Shanghai Institute of Applied Physics, Chinese Academy of Sciences.	<i>Synchrotron based Hard X-ray microprobe and microscope.</i>
07-12-07	Ren-Zhong Tai	Investigator, Shanghai Institute of Applied Physics, Chinese Academy of Sciences. Shanghai Synchrotron Radiation Facility.	<i>Technology and application of SSRF Soft X-ray microscope.</i>
07-12-28	Jian-Yuan Sun	Assistant Professor, Department of Neuroscience, University of Texas Southwestern Medical Center, USA.	<i>A dual-Calcium-sensor model for neurotransmitter release in central synapse.</i>
07-12-28	Ming-Sha Zhang	Postdoctoral Fellow, Center for Neurobiology and Behavior, Columbia University Medical Center, USA	<i>Link brain and mind: electrophysiological approach of the neuronal basis of mental activities in behaving monkeys.</i>
07-12-28	Hai-Lan Hu	Postdoctoral Fellow, Cold Spring Harbor Laboratory, USA.	<i>The Emotional Tagging of Memory.</i>

# *Workshop for Sino-Germany Graduate Program*

**November 29<sup>th</sup>, 2007**

08:30 - 09:00	Opening remark Prof. Martin Heisenberg & Ai-KeGuo	
09:00 - 10:00	Dr. Bertram Gerber (University of Würzburg)	Host: Prof. Ai-Ke Guo
	Title: <i>Pain-relief learning in fruit flies</i>	
10:15 - 11:15	Dr. Xu Zhang (Institute of Neuroscience)	
	Title: <i>Molecular mechanisms for chronic pain</i>	
13:30 - 14:30	Dr. Zuo-Ren Wang (Institute of Neuroscience)	Host: Dr. Yi-Zheng Wang
	Title: <i>Behavioral study of the neural circuit awaking fly from general anesthesia</i>	
14:30 - 15:30	Dr. Shu-Min Duan (Institute of Neuroscience)	
	Title: <i>Regulated ATP release from lysosomes in astrocytes</i>	
16:00 - 16:20	Yue-Qing Peng (Institute of Neuroscience)	Host: Ting-Jia Lu
	Title: <i>Prior experience improves feature extraction in Drosophila</i>	
16:20 - 16:40	Stephan Knapek (University of Würzburg)	
	Title: <i>Selective memory deficit in the Drosophila synapsin mutant</i>	
16:40 - 17:00	Chun Xu (Institute of Neuroscience)	
	Title: <i>Long-term synaptic plasticity of developing GABAergic synapses</i>	
17:00 - 17:20	Birgit Michels (University of Würzburg)	
	Title: <i>To learn or not to learn - localizing a synapsin-dependent olfactory memory trace in the brain of larval Drosophila</i>	

**November 30<sup>th</sup>, 2007**

09:00 - 09:20	Xiao-Ping Tong (Institute of Neuroscience)	Host: Ying Hou
	Title: <i>GABA-induced Ca<sup>2+</sup> elevation in NG2 glial cells through activation of persistent Na<sup>+</sup> channels and Na<sup>+</sup>/Ca<sup>2+</sup> exchangers</i>	
09:20 - 09:40	Alexander Kapustjanskij (University of Würzburg)	
	Title: <i>Dissecting serotonin signaling during ethanol induced behavior in Drosophila</i>	
09:40 - 10:00	Yi-Zhi Wang (Institute of Neuroscience)	
	Title: <i>Extracellular spermine sensitizes acid-sensing ion channels contributing to ischemia signaling</i>	

10:20 - 10:40	Sandra Selch (University of Würzburg)	Host: Ning-Ning Song
	Title: <i>Molecular biological researches on MLC1-a candidate gene for schizophrenia</i>	
10:40 - 11:00	Cheng Wang (Institute of Neuroscience)	
	Title: <i>Visual cortical processing of motion-in-depth signals</i>	
11:00 - 11:20	Thomas Völler (University of Würzburg)	
	Title: <i>In vivo visualization of odor propagation and processing in the Drosophila brain</i>	

13:30 - 13:50	Ning-Ning Song (Institute of Neuroscience)	Host: Chun Xu
	Title: <i>Role of Lmx1b in adult central 5-HT</i>	
13:50 - 14:10	Tilman Triphan (University of Würzburg)	
	Title: <i>Gap climbing in Drosophila</i>	
14:10 - 14:30	Jian Zhou (Institute of Neuroscience)	
	Title: <i>Essential role of TRPC6 in neuronal development</i>	
14:30 - 14:50	Feng Wang (Institute of Neuroscience)	
	Title: <i>Drosophila models for studying pain mechanisms</i>	