## Colloquia and Symposia Sponsored by ION (2013.01-2013.12)

<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Affiliations</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013.01.15</td>
<td>Bai Lu</td>
<td>GlaxoSmithKline, R&amp;D China</td>
<td>New insight and novel strategy for neurodegenerative diseases</td>
</tr>
<tr>
<td>2013.03.24</td>
<td>Ning-Long Xu</td>
<td>Janelia Farm Research Campus, U.S.A.</td>
<td>Cellular and circuit mechanisms of active sensory processing in the cortex</td>
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<tr>
<td>2013.03.24</td>
<td>Quan Wen</td>
<td>Harvard University, U.S.A.</td>
<td>How does a worm wiggle?</td>
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<tr>
<td>2013.04.15</td>
<td>Xiang Dong Fu</td>
<td>University of California, San Diego, U.S.A.</td>
<td>Direct Neuronal Reprogramming by Mimicking a Developmentally Regulated RNA Pathway</td>
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<tr>
<td>2013.04.19</td>
<td>Lung-Sen Kao</td>
<td>Yang-Ming University, Taipei</td>
<td>Molecular Mechanism of Regulated Secretion</td>
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<tr>
<td>2013.04.22</td>
<td>Li-Yen Mae Huang</td>
<td>University of Texas Medical Branch, U.S.A.</td>
<td>Communication between neuronal somata and satellite glial cells in sensory ganglia</td>
</tr>
<tr>
<td>2013.05.03</td>
<td>Elva D. Diaz</td>
<td>University of California, Davis, U.S.A.</td>
<td>From microarrays to mechanisms of synapse development and plasticity</td>
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<tr>
<td>2013.05.06</td>
<td>Karel Svoboda</td>
<td>HHMI Janelia Farm Research Campus, U.S.A.</td>
<td>Neural circuits and coding underlying tactile perception</td>
</tr>
<tr>
<td>2013.05.06</td>
<td>Nelson Spruston</td>
<td>HHMI Janelia Farm Research Campus, U.S.A.</td>
<td>Toward an understanding of the diversity of neuronal integration and plasticity in hippocampal pyramidal neurons</td>
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<tr>
<td>2013.05.06</td>
<td>Hitoshi Okamoto</td>
<td>RIKEN., Brain Science Institute, Japan</td>
<td>The roles of the habenula in aversive learning and gain of self-confidence in aggressive behavior</td>
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<tr>
<td>2013.05.10</td>
<td>Mohammed Akaaboune</td>
<td>University of Michigan, U.S.A.</td>
<td>Molecular dynamics of nicotinic acetylcholine receptors at the neuromuscular synapse of living mice</td>
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<tr>
<td>2013.05.10</td>
<td>Lutz Birnbaumer</td>
<td>NIH. U.S.A.</td>
<td>The molecular makeup and physiology of TRPC channels - Lessons from knockout mice</td>
</tr>
<tr>
<td>2013.05.13</td>
<td>Henry Lester</td>
<td>California Institute of Technology, U.S.A.</td>
<td>Psychiatric Medication Turned Inside-out</td>
</tr>
<tr>
<td>2013.05.24</td>
<td>Timothy Q. Duong</td>
<td>University of Texas Health Science Center, U.S.A.</td>
<td>MRI of ischemic stroke in animal model</td>
</tr>
<tr>
<td>2013.05.30</td>
<td>Xinying Cai</td>
<td>Washington University in St Louis, U.S.A.</td>
<td>From values to actions: the neural basis of economic choice</td>
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<tr>
<td>2013.06.28</td>
<td>Teng Leng Ooi</td>
<td>Pennsylvania College of Optometry at Salas University, U.S.A.</td>
<td>Binocular rivalry perception as a window to revealing cortical processing and plasticity</td>
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<tr>
<td>2013.07.04</td>
<td>Masao Tachibana</td>
<td>Professor, University of Tokyo, Japan</td>
<td>Sophisticated information processing in the retina</td>
</tr>
<tr>
<td>Date</td>
<td>Name</td>
<td>Affiliation</td>
<td>Topic</td>
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<tr>
<td>2013.07.04</td>
<td>Rufin Vogels</td>
<td>Full Professor, Dept. of Neuroscience, KU Leuven, Belgium</td>
<td>Perceptual learning in V4/PIT</td>
</tr>
<tr>
<td>2013.07.09</td>
<td>Geoffrey M. Ghose</td>
<td>Associate Professor, University of Minnesota, U.S.A.</td>
<td>Neuronal pooling in perceptual and abstract decision making</td>
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<tr>
<td>2013.07.10</td>
<td>David C. Burr</td>
<td>Professor, Università di Firenze, Italy</td>
<td>Cross-sensory integration and calibration in human adults and children</td>
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<tr>
<td>2013.07.15</td>
<td>Shigetada Nakanishi</td>
<td>Director, Osaka Bioscience Institute, Japan</td>
<td>Transmission regulation of decision-making: pharmacogenetic approaches</td>
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<tr>
<td>2013.07.25</td>
<td>Zachary F. Mainen</td>
<td>Director, Champalimaud Neuroscience Programme, Portugal</td>
<td>Neural circuits for spontaneous action timing in the frontal cortex</td>
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<tr>
<td>2013.08.06</td>
<td>Fengquan Zhou</td>
<td>Johns Hopkins University School of Medicine, U.S.A.</td>
<td>Genetic regulation of axon regeneration</td>
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<td>2013.08.09</td>
<td>J. Julius Zhu</td>
<td>University of Virginia School of Medicine, U.S.A.</td>
<td>Attentional Neurons and Circuits</td>
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<tr>
<td>2013.08.09</td>
<td>Xin Huang</td>
<td>Assistant Professor, University of Wisconsin-Madison</td>
<td>Correlated noise, spike synchrony, and their regulation in neural circuits</td>
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<tr>
<td>2013.09.09</td>
<td>Hitoshi Sakano</td>
<td>Professor, University of Tokyo</td>
<td>Agonist-Independent GPCR Activity Regulates Axon Targeting of Olfactory Sensory Neurons</td>
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<tr>
<td>2013.09.11</td>
<td>Yimin Zou</td>
<td>Professor, University of California, San Diego</td>
<td>Wnt signaling in adult axon plasticity</td>
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<td>2013.09.16</td>
<td>Stephen Scott</td>
<td>GSK-CIHR Chair in Neurosciences, Professor, Queen's University</td>
<td>Optimal feedback control: the glue that links brains, biomechanics and behavior</td>
</tr>
<tr>
<td>2013.09.18</td>
<td>Hai Huang</td>
<td>Senior Research Associate Oregon Health &amp; Science University</td>
<td>Ion Channels and Presynaptic Function at an Auditory Synapse</td>
</tr>
<tr>
<td>2013.09.25</td>
<td>Mark J. Schnitzer</td>
<td>Associate Professor, Stanford University</td>
<td>Reading neural codes in freely behaving mice, in ~1000 neurons per mouse</td>
</tr>
<tr>
<td>2013.09.26</td>
<td>Michael Rosbash</td>
<td>HHMI-Dept. of Biology, Brandeis University, U.S.A.</td>
<td>Circadian Rhythms from flies to humans</td>
</tr>
<tr>
<td>2013.09.27</td>
<td>Emilie Marcus</td>
<td>Editor-in-chief, Cell</td>
<td>A Behind the Scenes Look at the Editorial Process.</td>
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<tr>
<td>2013.10.08</td>
<td>Alex Schier</td>
<td>Professor, Harvard University</td>
<td>Morphogen gradients: from formation to interpretation</td>
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<tr>
<td>2013.10.08</td>
<td>Susan Mango</td>
<td>Professor, Harvard University</td>
<td>Dynamic chromatin during pluripotency and organogenesis</td>
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<tr>
<td>2013.10.15</td>
<td>Christopher J. Lingle</td>
<td>Professor, Washington University School of Medicine, U.S.A.</td>
<td>Inhibition of BK Channels by the Tremorogenic Fungal Alkaloid, Paxilline: a Novel Closed-Channel Block</td>
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<tr>
<td>Date</td>
<td>Name</td>
<td>Affiliation</td>
<td>Mechanism</td>
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<td>2013.10.16</td>
<td>Hui Yang</td>
<td>Postdoctoral Associate, Whitehead Institute, MIT</td>
<td>Generation of genetically modified animals and its application</td>
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<tr>
<td>2013.10.16</td>
<td>Shan Yu</td>
<td>Postdoctoral fellow, National Institute of Mental Health</td>
<td>From neurons to networks: the structure of neuronal interactions in the brain</td>
</tr>
<tr>
<td>2013.10.22</td>
<td>Katrin Andreasson</td>
<td>Associate Professor Stanford University School of Medicine, U.S.A.</td>
<td>Targeting protective and toxic prostaglandin receptors in neurologic disorders</td>
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<tr>
<td>2013.10.25</td>
<td>Fan Wang</td>
<td>Associate Professor Duke University Medical Center, U.S.A.</td>
<td>Neural circuits underlying sensorimotor behaviors</td>
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<tr>
<td>2013.10.30</td>
<td>Pierre Leopold</td>
<td>Group Leader at the IBV, University of Nice Nice (Research Director, INSERM), France</td>
<td>Sensing the environment: How Drosophila larvae react to food and light?</td>
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<td>2013.12.10</td>
<td>Hong Zhang</td>
<td>Institute of Biophysics, CAS</td>
<td>C. elegans as a genetic model system to study autophagy</td>
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<td>2013.12.11</td>
<td>Xiaojing Wang</td>
<td>NYU Shanghai</td>
<td>From cognitive-type microcircuits to large-scale brain system</td>
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<tr>
<td>2013.12.11</td>
<td>Jeffery Erlich</td>
<td>Princeton University, U.S.A.</td>
<td>The rat as an animal model for cognitive control: Neural circuits underlying planning, inhibition, accumulation and flexible decision-making</td>
</tr>
</tbody>
</table>
ION Symposium on Frontier of Neuroscience

Morning Session: 8:45-12:00

- Liquan Luo, 美国斯坦福大学教授
  *Mapping Neurons and Circuits*

- Naoshige Uchida, 美国哈佛大学教授
  *Dissecting computations in the dopamine reward circuit*

- Marla Feller, 美国加州大学伯克利分校教授
  *Dynamic reconfiguration of retinal circuits*

Afternoon Session: 13:30-16:30

- Li-Huei Tsai, 美国麻省理工学院教授
  *Epigenetic mechanisms regulating neuronal plasticity, gene expression and memory formation*

- Scott Sternson, 美国Janelia Farm研究院研究组长
  *Neural circuits and motivational processes for hunger*

- Robert Malenka, 美国斯坦福大学医学院教授
  *Postsynaptic SNARE fusion machinery and LTP*