<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Affiliations</th>
<th>Title</th>
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<tbody>
<tr>
<td>11-01-17</td>
<td>Shi-Hui Han</td>
<td>Department of Psychology, Peking University, China</td>
<td>Cultural and genetic variation of neural basis of self-reflective thinking.</td>
</tr>
<tr>
<td>11-03-11</td>
<td>Yi-Feng Zhang</td>
<td>Harvard University, U.S.A.</td>
<td>Genetic dissection of retinal circuits.</td>
</tr>
<tr>
<td>11-03-11</td>
<td>Yong Gu</td>
<td>Washington University School of Medicine, U.S.A.</td>
<td>Neural correlates of cue integration for heading perception.</td>
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<tr>
<td>11-03-14</td>
<td>Jian-Jun Wang</td>
<td>Nanjing University</td>
<td>A role of orexin in central vestibular motor control.</td>
</tr>
<tr>
<td>11-04-14</td>
<td>Tang Tang</td>
<td>Academia Sinica</td>
<td>CPAP: role in centrosome duplication and its implication in neurodevelopmental disorders.</td>
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<tr>
<td>11-05-12</td>
<td>Zu-Hang Sheng</td>
<td>NIH, U.S.A.</td>
<td>Axonal transport of mitochondria and late endosomes and its impact on synaptic function and neurodegeneration.</td>
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<tr>
<td>11-05-16</td>
<td>Erika Sasaki</td>
<td>Department of Applied Developmental Biology, Central Institute for Experimental Animals, Japan.</td>
<td>Prospect for the future of use of transgenic marmoset in biomedical science.</td>
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<tr>
<td>11-05-16</td>
<td>Qi-Long Ying</td>
<td>Department of Cell and Neurobiology, University of Southern California, U.S.A.</td>
<td>Induced neural stem cells generated from rat fibroblasts.</td>
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<tr>
<td>11-05-19</td>
<td>Yong-Qing Zhang</td>
<td>Institute of Genetics and Developmental Biology, CAS</td>
<td>Synaptic mechanisms of mental retardation.</td>
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<tr>
<td>11-05-31</td>
<td>Chen Gu</td>
<td>The Ohio State University, U.S.A.</td>
<td>Mechanism and function of polarized targeting of Kv3 (Shaw) channels.</td>
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<tr>
<td>11-06-16</td>
<td>Mike Dorris</td>
<td>Queens University, Canada</td>
<td>Neural Processes Involved in Decision-Making under Uncertainty.</td>
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<tr>
<td>11-07-08</td>
<td>Yong Shen</td>
<td>Roskamp Institute, U.S.A.</td>
<td>Beta-secretase: From basic science to clinical investigation.</td>
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<tr>
<td>11-07-13</td>
<td>Craig Montell</td>
<td>The Johns Hopkins University School of Medicine, U.S.A.</td>
<td>Control of Animal Behavior by TRP channels.</td>
</tr>
<tr>
<td>11-07-25</td>
<td>Michael Tymianski</td>
<td>The Toronto Western Hospital &amp; University of Toronto, Canada</td>
<td>TRPM Channels – new emerging targets for the treatment of tissue ischemia.</td>
</tr>
<tr>
<td>Time</td>
<td>Name</td>
<td>Institution</td>
<td>Topic</td>
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<tr>
<td>11-08-03</td>
<td>Yves Frégnac</td>
<td>National Scientific Research Center (CNRS), U.S.A.</td>
<td>Synaptic echoes of visual cortical perception</td>
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<tr>
<td>11-08-04</td>
<td>Susan G. Amara</td>
<td>Center for Neuroscience, University of Pittsburgh, U.S.A.</td>
<td>Glutamate transporters: a dance of domains and substrates.</td>
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<tr>
<td>11-09-06</td>
<td>Ching-Po Lin</td>
<td>Dept. of Biomedical Image and Radiological Science, National Yang-Ming University, Taipei, China</td>
<td>Measurements of brain microstructure and connectivity with diffusion MRI.</td>
</tr>
<tr>
<td>11-09-15</td>
<td>Martin Heisenberg</td>
<td>Rudolf Virchow Center, University of Würzburg, Germany</td>
<td>The Fly Drosophila - its Brain and its Self.</td>
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<tr>
<td>11-09-27</td>
<td>Mary Mullins</td>
<td>University of Pennsylvania School of Medicine, U.S.A.</td>
<td>BMP signaling and nuclear division dynamics in the vertebrate embryo.</td>
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<tr>
<td>11-10-12</td>
<td>John G. Parnavelas</td>
<td>University College London, U.K.</td>
<td>Molecular mechanisms involved in the migration and sorting of cortical interneurons.</td>
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<tr>
<td>11-10-12</td>
<td>Nobuaki Tamamaki</td>
<td>Kumamoto University, Japan</td>
<td>A cell-lineage of GABA neurons reconstructed from evidence obtained in vivo and in vitro.</td>
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<tr>
<td>11-10-14</td>
<td>Thomas R. Insel</td>
<td>National Institute of Mental Health, NIH, U.S.A.</td>
<td>Rethinking Mental illness.</td>
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<tr>
<td>11-10-21</td>
<td>Samuel Weiss</td>
<td>Hotchkiss Brain Institute, University of Calgary, Canada</td>
<td>Adult neural stem cells: Basic science to therapeutic applications.</td>
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<tr>
<td>11-10-24</td>
<td>Barry J. Dickson</td>
<td>Institute of Molecular Pathology (IMP), Vienna, Austria</td>
<td>Wired for sex: the neurobiology of Drosophila courtship behavior.</td>
</tr>
<tr>
<td>11-10-26</td>
<td>Florian Engert</td>
<td>Havard University, U.S.A.</td>
<td>Sensory processing and motor control in the larval zebrafish.</td>
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<tr>
<td>11-11-29</td>
<td>Joseph A. Movshon</td>
<td>Center for Neural Science, New York University, U.S.A.</td>
<td>Brain mechanisms of visual motion perception.</td>
</tr>
<tr>
<td>Date</td>
<td>Name</td>
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<td>11-12-12</td>
<td>Chun-Fang Wu</td>
<td>University of Iowa, U.S.A.</td>
<td>Neural, behavioral and Lifespan Plasticity in Drosophila.</td>
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<td>11-12-15</td>
<td>Gerald Stern</td>
<td>University College Hospital</td>
<td>The neurodegenerations: genomics from a perplexed elderly clinician.</td>
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<td>London, U.K.</td>
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<td>11-12-15</td>
<td>Zhen-Yu Yue</td>
<td>Mount Sinai School of Medicine,</td>
<td>Genetic mouse models for understanding LRRK2 biology, pathology and</td>
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<td>New York, U.S.A.</td>
<td>pre-clinical application.</td>
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<tr>
<td>11-12-26</td>
<td>Yan-Gang Sun</td>
<td>University of Texas Medical</td>
<td>Neural mechanisms of sensory Processing.</td>
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<td></td>
<td>School, U.S.A.</td>
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</table>
Institute of Neuroscience Mini-Course on Neurobiology of Memory

Speaker: Professor Susan Sara
LPPA, CNRS UMR 7152
Collège de france

<table>
<thead>
<tr>
<th>Time</th>
<th>Course title</th>
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<tbody>
<tr>
<td>2011-09-14 18:00</td>
<td>Lecture 1: Historical roots of the scientific study of memory: from clinical observation to experimental research.</td>
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<tr>
<td>2011-09-21 18:00</td>
<td>Lecture 2: Taxonomy and anatomy of memory.</td>
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<tr>
<td>2011-09-28 18:00</td>
<td>Lecture 3: Taxonomy and anatomy of memory.</td>
</tr>
<tr>
<td>2011-10-12 18:00</td>
<td>Lecture 4: Neural Plasticity and Memory.</td>
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<tr>
<td>2011-10-26 18:00</td>
<td>Lecture 5: Neural Plasticity and Memory.</td>
</tr>
<tr>
<td>2011-11-02 18:00</td>
<td>Lecture 6: Cellular mechanisms: vertebrate models.</td>
</tr>
<tr>
<td>2011-11-09 18:00</td>
<td>Lecture 7: Cellular mechanisms: invertebrate models.</td>
</tr>
<tr>
<td>2011-11-16 18:00</td>
<td>Lecture 8: Neuromodulation and emotional memory.</td>
</tr>
<tr>
<td>2011-11-23 18:00</td>
<td>Lecture 9: Reactivation, replay, reconsolidation.</td>
</tr>
<tr>
<td>2011-11-30 18:00</td>
<td>Lecture 10: Oscillations, Sleep and Memory.</td>
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</table>
Mini-Symposium on Animal Models for Neural Diseases

Date and time: 14:00 - 16:30, May 16, 2011
Place: Rm 430, ION Building, 320 Yue Yang Road, Shanghai.

Chair: Dr. Zhi-Qi Xiong

Title 1: Prospect for the future of use of transgenic marmoset in biomedical science.
Speaker 1: Erika Sasaki, Ph.D.
Department Head,
Department of Applied Developmental Biology,
Central Institute for Experimental Animals, Japan.

Title 2: Induced neural stem cells generated from rat fibroblasts.
Speaker 2: Qi-Long Ying, Ph.D.
Assistant Professor,
Eli and Edythe Broad Center for Regenerative Medicine and Stem Cell Research at USC
Department of Cell and Neurobiology, University of Southern California, USA.

Center for Brain Disorder
State Key Laboratory of Neuroscience
Institute of Neuroscience, CAS
Chinese Russian Workshop on Neuroscience

Date and time: 9:00 - 18:00, 30 May 2011
Place: Room 430, ION Building, 320 Yue Yang Road, Shanghai

Morning Session: (Chair: Dr. Tian-Le Xu)
09:00 - 09:30 Dr. Ai-Ke Guo (Institute of Neuroscience, CAS)
Dopamine reveals neural circuit mechanisms of decision making:
from fruit fly to human beings.
09:30 - 10:00 Dr. Konstantin Anokhin (Anokhin Institute of Normal Physiology, RAMS)
Recovery of impaired and weakened memory by reminding stimuli.
10:15 - 10:45 Dr. Olga Svarnik (Kurchatov NBIC Center, Russia)
How the brain generates new behavior during operant learning.
10:45 - 11:15 Dr. Xiang Yu (Institute of Neuroscience, CAS)
The effect of neonatal environmental enrichment on neural circuit formation.
11:15 - 11:45 Dr. Mikhail Burtsev (Kurchatov NBIC Center, Russia)
Evolution of bursting activity during development of cortical cultures in vitro.

Afternoon Session: (Chair: Dr. Konstantin Anokhin)
13:30 - 14:00 Dr. Pavel Balaban (Institute of Higher Nervous Activity & Neurophysiology, RAS)
Nitric oxide is necessary for both erasure and consolidation of memory during learning.
14:00 - 14:30 Dr. Anna Tiunova (Anokhin Institute of Normal Physiology,
RAMS)

_Systems reorganization of memory storage and retrieval in the chick brain._

14:30 - 15:00  Dr. Jia-Wei Zhou (Institute of Neuroscience, CAS)

NA.

15:00 - 15:30  Dr. Mikhail Stepanichev (Institute of Higher Nervous Activity & Neurophysiology, RAS)

_Neurogenesis in the adult brain: implications in plasticity and pathology._

15:45 - 16:15  Dr. Tian-Le Xu (Institute of Neuroscience, CAS)

_Acid-sensing ion channels and ischemic brain injury._

16:15 - 16:45  Dr. Sergey Salozhin (Institute of Higher Nervous Activity & Neurophysiology, RAS)

_Lentiviruses as vehicles for neurotrophin-based therapy in neurodegenerative diseases._

16:45 - 17:15  Dr. Yi-Zheng Wang (Institute of Neuroscience, CAS)

_Suppression of TRPC6 degradation prevents ischemic brain damage in rats._

17:15 - 17:45  Dr. Viktor Kazantsev (Institute of Applied Physics, RAS)

_Stimulus-induced functional transformations in neuronal networks on multielectrode arrays: models and experiments._
The 9th IASP Research Symposium

“Understanding Mechanisms of Chronic Pain”

Oct. 16-17, 2011
Shanghai Institutes for Biological Sciences, China
Lecture Hall, 320 Yue Yang Road, Shanghai

Sponsors
The International Association for the Study of Pain (IASP)
Institute of Neuroscience, Shanghai Institutes for Biological Sciences (SIBS),
Chinese Academy of Sciences (CAS)
Chinese Society for Neuroscience
Shanghai Society for Neuroscience

Supported by
The International Association for the Study of Pain
National Natural Science Foundation
Shanghai Clinical Center, SIBS, CAS
Shanghai Association for Science and Technology
Shanghai Institutes for Science and Technology, CAS
Alpha MED Scientific Inc.
Scientific Program of 9th IASP Research Symposium

Oct. 16, 2011

09:00-09:15  Opening ceremony
Chair: Professor Yun Wang (Secretary general of 9th IASP)
≤ Welcome from the chair of 9th IASP—Professor Xu Zhang
≤ Opening remarks from co-chair of 9th IASP—Professor Gerald F Gebhart
≤ Opening remarks from co-chair of 9th IASP—Professor Min Zhuo

Session 1  Forebrains and pain modulation    09:15-10:30
Chair: Professor Jon D Levine, University of California San Francisco, USA

09:15-09:40
Howard Fields, University of California, USA
A motivation-decision model of pain: understanding the function of descending pain modulation pathways

09:40-10:05
Volker Neugebauer, The University of Texas Medical Branch, USA
Interactions between amygdala and medial prefrontal cortex in pain

10:05-10:30
Zhizhong Pan, The University of Texas MD Anderson Cancer Center, USA
GAD65 mediates an epigenetic mechanism of chronic pain

10:30-11:10  Tea/Coffee break, group photo

Session 2  Nociceptors and sensitization    11:10-12:25
Chair: Professor Volker Neugebauer, The University of Texas Medical Branch, USA
11:10-11:35
Jon D Levine, University of California San Francisco, USA
Toward a cell biology of pain

11:35-12:00
Koichi Noguchi, Hyogo College Medicine, Japan
Detailed analysis of gene expression in primary afferent neurons in a rat model of neuropathic pain

12:00-12:25
Yun Wang, Peking University, China
Phospho-regulation of TRPV1 in pain sensation

12:25-14:30 Lunch and Poster exhibition

Session 3 Synaptic plasticity and chronic pain 14:30-15:50
Chair: Professor Jose Naranjo, Spanish National Center of Biotechnology, Spain

14:30-14:55
Jurgen Sandkuhler, Medical University of Vienna, Austria
Learning and memory in pain pathways

14:55-15:20
Min Zhuo, University of Toronto, Canada
PKMζ maintains chronic pain related cortical potentiation in the anterior cingulate cortex

15:20-15:50
Megumu Yoshimura, Kumamoto Health Science University, Japan
Selective loss of presynaptic 5-HT inhibition on spinal noxious synaptic transmission
in ovariectomized rats in vivo

15:50-16:20  Tea/Coffee break

Session 4  Novel mediators of hypersensitivity and chronic pain  16:20-17:35
Chair: Professor Jurgen Sandkuhler, Medical University of Vienna, Austria

16:20-16:45
Jianguo Gu, University of Cincinnati, USA
Feeling painful cold: mechanisms beyond cold transducers

16:45-17:10
Hiroshi Ueda, Nagasaki University, Japan
LPA receptor-mediated amplification of LPA biosynthesis and demyelination underlie the initiation mechanisms for neuropathic pain

17:10-17:35
Xu Zhang, Institute of Neuroscience, SIBS, CAS, China
Reduction of follistatin-like 1 contributes to neuropathic pain

18:00- Welcome dinner

Oct. 17, 2011

Session 5  Spinal cord mechanisms  09:00-10:40
Chair: Professor Koichi Noguchi, Hyogo College Medicine, Japan

09:00-09:25
Jose Naranjo, Spanish National Center of Biotechnology, Spain
DREAM regulates spinal sensitization through BDNF expression
Tian-Le Xu, Shanghai Jiaotong University, China
Preventing pain hypersensitivity by uncoupling the interaction between BDNF/TrkB pathway and acid-sensing ion channel 1a in rodents

Robert Gereau, Washington University, USA
Metabotropic glutamate receptor 5 as a mediator of central sensitization

Yves De Koninck, Laval University, Canada
Novel photonics-based approaches to probe cellular and molecular events in pain pathways in vivo

10:40-11:05  Tea/Coffee break

Session 6  Spinal microglia in chronic pain  11:05-12:20
Chair: Professor Tian-Le Xu, Shanghai Jiaotong University, China

Kazuhide Inoue, Kyushu University, Japan
Microglial P2 receptor functions in neuropathic pain

Rurong Ji, Harvard Medical School, USA
Pain control by anti-inflammatory and pro-resolution lipid mediators

Michael Salter, University of Toronto, Canada
Cell signaling networks in the dorsal horn in pain hypersensitivity
Session 7  Visceral pain, clinical and genetics of pain  14:00-15:40
Chair: Professor Howard Fields, University of California, USA

14:00-14:25
Irene Tracey, University of Oxford, UK
Imaging the Neural Bases of Pain, Relief and Pleasure

14:25-14:50
Emeran Mayer, University of California Los Angeles, USA
Brain networks involved in chronic visceral pain

14:50-15:15
Jeffrey Mogil, McGill University, Canada
The nature and nurture of pain

15:15-15:40
Gerald F Gebhart, University of Pittsburg, USA
Peripheral contributions to sustained visceral pain

15:40-16:05  Tea/Coffee break

16:05-16:35  Discussion
Future directions for the study of chronic pain?
Chairs: Professor Howard Fields, Jon D Levine and Gerald F Gebhart

16:35-17:00  Poster Award
Chair: Professor You Wan (Beijing University, China)

Award Guests: Professor Gerald F Gebhart and Megumu Yoshimura

17:00-17:30  Conclusion remark
Chair: Professor Jun Chen, The Fourth Military Medical University, China
Speakers:
- Concluding remarks from the chair of 9th IASP—Professor Xu Zhang
- Concluding remarks from co-chair of 9th IASP—Professor Megumu Yoshimura
- Concluding remarks from co-chair of 9th IASP—Professor Min Zhuo

18:00-  Farewell dinner