

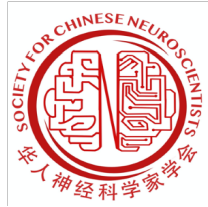
**Society for Chinese
Neuroscientists**

2023 Inaugural SCN Symposium

**Hilton Garden Inn Pittsburgh University Place
3454 Forbes Ave, Pittsburgh, PA 15213
August 2nd – August 4th, 2023**



Pittsburgh, PA

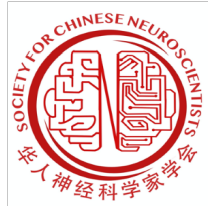


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All sessions are in Forbes B Meeting Room

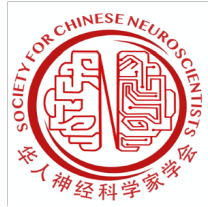
August 2nd, 2023 (Wed)		
Registration (Forbes B Meeting Room)		3:00 pm
Opening Remarks SCN President Dandan Sun		5:45 pm
Session 1 (Chair: Junfang Wu): Neural Trauma		6:00-7:15 pm
Junfang Wu	<i>Aging, Neurodegeneration, and Spinal Cord Injury</i>	6:00-6:15 pm
Dong Sun	<i>The involvement of Notch1 in regulating regenerative neural stem cells following traumatic brain injury</i>	6:15-6:30 pm
Wei Wu	<i>Rebuilding neural circuits for spinal cord injury</i>	6:30-6:45 pm
Shaoping Hou	<i>Intraspinal dopamine mechanisms regulating micturition after spinal cord injury</i>	6:45-7:00 pm
Bo Chen	<i>Preventing prolonged vGlut2+ neuronal swelling in the injured spinal cord promotes locomotion and micturition</i>	7:00-7:15 pm
Coffee and Tea Break (snacks)		7:15-8:00pm
Session 2 (Chair: Yao Yao): Glial Biology		8:00-9:15 pm
Dandan Sun	<i>Microglial Function and Metabolism</i>	8:00-8:15pm
Yao Yao	<i>The functions of microglial laminin in ischemic stroke</i>	8:15-8:30 pm
Shao-Jun Tang	<i>Contribution of microglia and astrocytes to opioid-induced hyperalgesia</i>	8:30-8:45 pm
Jiaqian Wu	<i>Delineating the Heterogeneity and Regulation of Astrocyte Lineage Cells in Spinal Cord Injury</i>	8:45-9:00 pm
Richard Lu	<i>Chromatin-remodeling control of myelination and remyelination</i>	9:00-9:15 pm
Yongjie Yang	<i>MicroRNA in astrocytes: is it the magical wand?</i>	9:15-9:30 pm
Social and Reception Dinner		9:30-11:00 pm





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August 3 rd , 2023 (Thursday)		
Breakfast (Forbes B Meeting Room)		8:00-9:00 am
Session 3 (Chair: Long-Jun Wu): Neuroimmunology		9:00-10:15 am
Long-Jun Wu	<i>Microglia promote neuronal activity via shielding inhibitory synapses</i>	9:00-9:15 am
Agnes Luo	<i>Precise spatial regulation of microglia homeostasis on single cell level via microglia derived autocrine TGF-β1 ligand</i>	9:15-9:30 am
Na Zhao	<i>The Impact of Glial LRP1 in Alzheimer's Disease Pathogenesis</i>	9:30-9:45 am
Peng Jiang	<i>Exploring the role of microglia in neurological diseases using human iPSC approaches</i>	9:45-10:00 am
Tristan Qingyun Li	<i>Tracking microglial subsets in health and disease</i>	10:00-10:15 am
Group Photo Coffee and Tea Break (snacks)		10:15-10:45 am
Session 4 (Chair: Yang Yang): ASD, Epilepsy and Mental Disorders		10:45-12:00 am
Yang Yang	<i>SCN2A related autism and epilepsy: from mouse and human iPSCs model to genetic medicine</i>	10:45-11:00 am
Mingshan Xue	<i>Building a path towards genetic therapies for neurodevelopmental disorders</i>	11:00-11:15 am
Zhexing Wen	<i>Towards understanding the role of FMRP in human brain development using human iPSC models</i>	11:15-11:30 am
Judy Liu	<i>Molecular and Functional Analysis of a Developmental Epileptic Encephalopathy associated with the SLC13A5 transporter</i>	11:30-11:45 am
Zhiping Pang	<i>Using human neuronal models to study the mechanisms of mental disorders</i>	11:45-12:00 am
Kai Huang	<i>Sponsor talk: RWD introduction</i>	12:00-12:05 pm
Lunch (Sponsored by Global Biotech, Hunan Bar, 239 Atwood St., Pittsburgh)		12:05-1:30 pm



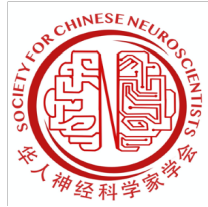
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Session 5 (Chair: Zhiping Pang): Circuit and Behavior		1:30-2:45 pm
Chen Ran	<i>The coding of internal senses in the brain</i>	1:30-1:45 pm
Yanlin He	<i>Hunger Hormone Asprosin and Feeding Control</i>	1:45-2:00 pm
Jun Wang	<i>Unveiling the Dark Side: Fentanyl-Induced Striatal GABAergic Plasticity, Negative Affect, and the Road to Relapse</i>	2:00-2:15 pm
Qingchun Tong	<i>A hypothalamic originated circuit for feeding and related behaviors</i>	2:15-2:30 pm
Lulu Y.Chen	<i>Conditional deletion of Neurexin-2 alters neuronal network activity in hippocampal circuitries and leads to spontaneous seizures</i>	2:30-2:45 pm
Coffee and Tea Break (snacks)		2:45 -3:15 pm
Session 6 (Chair: Ru-Rong Ji): Pain and Sensory Biology		3:15-4:30 pm
Ru-Rong Ji	<i>Immune checkpoint pathway in pain and cognition</i>	3:15-3:30 pm
Bo Duan	<i>Vellus-like hair elicits itch via a subpopulation of stroking-sensitive mechanoreceptors</i>	3:30-3:45 pm
Guang Yang	<i>A sleep-active neural circuit for chronic pain</i>	3:45-4:00 pm
Hongzhen Hu	<i>Ion channel mechanisms of pain signaling</i>	4:00-4:15 pm
Yan Dong	<i>Neuropathic pain remodels thalamus-to-cortex circuits</i>	4:15-4:30 pm
Coffee and Tea Break (snacks)		4:30 -5:00 pm
Session 7 (Chair: Shinghua Ding): Stroke		5:00-6:15 pm
Shinghua Ding	<i>Metabolic reprogramming of reactive astrocytes after ischemic stroke</i>	5:00-5:15 pm
Shaohua Yang	<i>Vascular contribution to AD/ABRD</i>	5:15-5:30 pm
Yingfei Wang	<i>Epigenetic regulation after ischemic stroke</i>	5:30-5:45 pm
Shan Ping Yu	<i>Preventive and preconditioning treatments for the comorbidity of stroke and Alzheimer's disease</i>	5:45-6:00 pm
Zhigang Xiong	<i>Brain acidosis and ischemic brain injury</i>	6:00-6:15 pm

Group Dinner

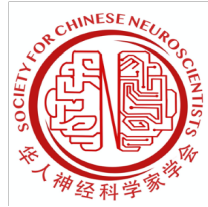
芋见 Bao, 114 Atwood St, Pittsburgh, 15213

7:00 pm



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August 4 th , 2023 (Friday)		
Breakfast (Forbes B Meeting Room)		8:00-9:00 am
Business meeting	all attendees	9:00-9:45 am
Coffee and Tea Break (snacks)		9:45-10:30am
Session 8 (Chair: Chun-Li Zhang): Neural Stem Cells		10:30-11:45 pm
Chun-Li Zhang	<i>In vivo reprogramming of resident astrocytes to neural progenitors</i>	10:30-10:45 am
Shaoyu Ge	<i>Activity-induced glucose dynamics in hippocampal neurogenesis</i>	10:45-11:00 am
Qiang Chang	<i>Multimodal Analysis of Neuronal Maturation in the Developing Primate Prefrontal Cortex</i>	11:00-11:15 am
Ye Zhang	<i>Molecular regulation of the time window of neurogenesis and the postnatal disappearance of radial glia</i>	11:15-11:30 am
Fuzheng Guo	<i>TCF712 as a useful nuclear marker for labeling newly generated premyelinating OLs</i>	11:30-11:45 am
Lunch (Sponsored by Global Biotech, Hunan Bar, 239 Atwood St., Pittsburgh)		11:45 am-1:00 pm
Session 9 (Chair: Huiliang Wang): Emerging Technologies		1:00-2:15 pm
Huiliang Wang	<i>Ultrasound-Triggered Liposome Nanoparticles Enabled Noninvasive Optogenetics</i>	1:00-1:15 pm
Baoli Hu	<i>Learning in the cerebellum development seeking pediatric brain cancer treatment</i>	1:15-1:30 pm
Junjie Yao	<i>Multi-scale Functional and Molecular Brain Imaging with Photoacoustic Tomography</i>	1:30-1:45 pm
Wenjing Wang	<i>Optogenetic and chemogenetic sensors and tools for studying brain signaling</i>	1:45-2:00 pm
Siyuan Rao	<i>Multifunctional Hydrogel Probes for Investigating Neural Dynamics with Behaviors</i>	2:00-2:15 pm
Coffee and Tea Break (snacks)		2:15-2:45 pm



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Session 10 (Chair: Wanli Smith): Neurodegeneration		2:45-4:15 pm
Wanli Smith	<i>Inhibition of LRRK2 GTP binding activity reduces neuroinflammation.</i>	2:45-3:00 pm
Qiang Zhu	<i>Identifying disease mechanisms of C9ORF72 hexanucleotide repeat expansions in ALS and FTD</i>	3:00-3:15 pm
Yulan Xiong	<i>Regulation of LRRK2 mRNA decay in Parkinson's disease</i>	3:15-3:30 pm
Pan Li	<i>Molecular pathogenesis of spinocerebellar ataxia type 12</i>	3:30-3:45 pm
Qianbin Wang	<i>A New Experimental Glaucoma Model for Uncovering Neurodegenerative Pathways in Chronic Ocular Hypertension</i>	3:45-4:00 pm

4:00pm Meeting Adjourn

Organizing Committee



Dr. Dandan Sun, MD, PhD



Dr. Long-Jun Wu, PhD



Dr. Chun-Li Zhang, PhD



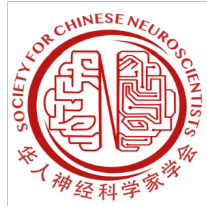
Dr. Zhiping Pang, PhD



Dr. Junfang Wu, BM, PhD



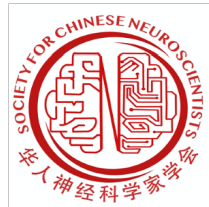
Dr. Yang Yang, PhD



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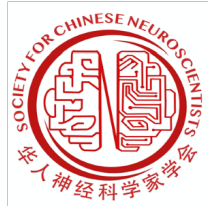
Attendees and Contacts

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