

Sunday, 11 October

All afternoon	<i>Arrivals and room check-in</i>
17:30-18:00	Registration
18:00-19:00	Welcome ceremony Richard Robitaille and Frank Kirchhoff
19:30	<i>Welcome drinks followed by buffet dinner</i>

Monday, 12 October

8:30-9:10	Richard Robitaille (Université de Montréal • Montréal, Canada) <i>Introduction of IAS: The history and future of the International Astrocyte School</i> [25 min + 10 min discussion]
9:20-10:00	Elly Hol (UMC Utrecht • Utrecht, The Netherlands) <i>Human astrocytes: from post-mortem brains to iPSC models</i> [25 min + 10 min discussion]
10:10-10:30	<i>Coffee break</i>
10:30-11:10	Eiji Shigetomi (University of Yamanashi • Yamanashi, Japan) <i>Diversity of astrocytic calcium signals and their role in circuits and behavior</i> [25 min + 10 min discussion]
11:10-11:50	Frank Kirchhoff (University of Saarland • Homburg, Germany) <i>Genetic mouse models to study astrocyte physiology in vivo</i> [25 min + 10 min discussion]
11:50-12:30	Introduction to UNIV and its business activities
12:30-13:30	<i>Lunch</i>
13:30-14:00	Visit to UNIV facilities
14:00-14:40	Xianshu Bai (China Pharmaceutical University • Nanjing, Jiangsu, China) <i>Oligodendrocyte lineage cells in health and disease</i> [25 min + 10 min discussion]
14:40-15:30	Scholar presentations [7 min + 3 min discussion each] Xinyi Zhou (Army Medical University • Chongqing, China) <i>Astrocytic regulation of demyelination or remyelination in a mouse model of multiple system atrophy</i> Shinji Kinoshita (Waseda University • Tokyo, Japan) <i>The role of astrocytic ATP release in the response to demyelination</i> Xiying Wang (Shanghai Jiao Tong University School of Medicine • Shanghai, China) <i>BMS-199264 suppresses microglial inflammation through a potential Spi1/PU.1-Phlda1 pathway</i> SunYeong Choi (Institute for Basic Science • Daejeon, Republic of Korea) <i>Longitudinal in vivo spinal cord visualization with customize spinal window for astrocytic H₂O₂ imaging</i> Rui Xu (Chinese Institute for Brain Research • Beijing, China) <i>Molecular basis and functional heterogeneity in astrocytic ATP signaling</i>
15:30-16:00	<i>Coffee break</i>

16:00-17:30 **Scholar presentations**

[7 min + 3 min discussion each]

Ruiqi Liu (China Pharmaceutical University · Nanjing, China)

Role of OPC-GABA_BR in PV interneuron survival during epilepsy

Ningjing Wang (China Pharmaceutical University · Nanjing, China)

Astrocytic GABA sensing through GABA_B receptors during epileptogenesis

Huiming Li (The Fourth Military Medical University · Xi'an, China)

Microglia depletion facilitates isoflurane induced unconsciousness via enhanced GABAergic tone

Tengfei Liu (Chengdu University of Traditional Chinese Medicine · Chengdu, China)

Differential central mechanisms of acupuncture and moxibustion in alleviating neuroinflammatory and neuropathic pain via S1 cortical neural circuits

Linjun Li (Chengdu University of Traditional Chinese Medicine · Chengdu, China)

Mechanisms of l/vIPAG somatostatin-positive neurons in overactive bladder pathogenesis and electroacupuncture intervention

Sha Luo (Chengdu University of Traditional Chinese Medicine · Chengdu, China)

Experimental study on acupuncture and moxibustion for neuropathic pain in CCI-Induced mice

Shantong Guo (Chengdu University of Traditional Chinese Medicine · Chengdu, China)

Cumulative effects of acupuncture analgesia

Jingjing Lv (Chengdu University of Traditional Chinese Medicine · Chengdu, China)

Astrocytic P2Y₁ and A2A receptors mediate electroacupuncture analgesia in the primary sensory cortex

18:00

Dinner

Tuesday, 13 October

8:30-9:30	Keynote lecture Justin Lee (Director, IBS Center for Memory and Glioscience • Daejeon, Republic of Korea) <i>Glia in Korea and astrocytes: The good, the bad, and the ugly</i> [40 min + 15 min discussion]
9:30-10:10	Matthew Holt (University of Porto • Porto, Portugal) <i>RNA-seq toolkit and its application to astrocyte biology</i> [25 min + 10 min discussion]
10:10-10:30	<i>Coffee break</i>
10:30-11:10	Amit Agarwal (University of Heidelberg • Heidelberg, Germany) <i>Studying astrocyte Ca^{2+} activity</i> [25 min + 10 min discussion]
11:10-12:30	Scholar presentations [7 min + 3 min discussion each] Chuantao Wu (Sun Yat-sen University • Shenzhen, China) <i>Astrocytic FABP5 drives non-cell-autonomous oligodendrocyte injury in multiple system atrophy by promoting TNF signaling and ferroptotic stress</i> An Cheng (Sun Yat-sen University • Shenzhen, China) <i>Pathogenic mechanisms and therapeutic potential of fatty acid-binding proteins in multiple system atrophy</i> Xinyue Huang (Soochow University • Suzhou, China) <i>Investigation of the role and mechanisms of the Parkinson's disease risk gene TMEM175 in microglia</i> Jie Jiao (Sun Yat-sen University • Shenzhen, China) <i>α-Synuclein-interfering peptide attenuates synucleinopathy in mouse models of Parkinson's disease</i> Zhongshan Shi (Sun Yat-sen University • Shenzhen, China) <i>Astrocytic sensing of extracellular DNA links tissue damage to cognitive dysfunction</i> Danjie Yang (Sun Yat-sen University • Shenzhen, China) <i>Early restoration of endothelial MFSD2A protects the hippocampal blood-brain barrier and mitigates Alzheimer's pathology</i>
12:30-13:00	Fan Ding, RWD <i>Decoding astrocyte activity in vivo: from fiber photometry to fluorescence life time</i>
13:00-14:00	<i>Lunch</i>
14:00-14:40	Wenhui Huang (Sun Yat-sen University • Guangzhou, Guangdong, China) <i>Astrocytes in neuroinflammation</i> [25 min + 10 min discussion]
14:40-15:20	Wuhyun Koh (Institute for Basic Science • Daejeon, Republic of Korea) <i>Astrocytes and brain development</i> [25 min + 10 min discussion]

15:20-16:30 **Scholar presentations**

[7 min + 3 min discussion each]

Jiayi Chen (Sun Yat-sen University · Shenzhen, China)

The role of Cx43 hemichannel-mediated glial communication dysfunction in Alzheimer's disease

Wonmin Lee (Institute for Basic Science · Daejeon, Republic of Korea)

Astrocytic EBP1 as a potential link between oxidative stress and amyloid- β pathology

Lili Li (University of Saarland · Homburg, Germany)

Sex-specific neurovascular-glial responses during acute systemic inflammation

Yuwan Qi (Soochow University · Suzhou, China)

Neuroimmunomodulatory mechanisms and intervention research of depression

Xiaoping Zhang (Sun Yat-sen University · Guangzhou, China)

Molecular mechanisms underlying astrocytic A1AR-mediated astrocyte-microglia crosstalk in early sepsis-associated encephalopathy

Wei Liu (Chengdu University of Traditional Chinese Medicine · Chengdu, China)

The eIF3a/PDK4 metabolic axis in cervical cancer organoids

16:30-18:00 **Agora** · Preparation [with coffee]

18:00 *Dinner*

Wednesday, 14 October

8:40-9:40	Keynote lecture Shigeo Okabe (Director RIKEN • Japan) <i>Glia in Japan</i> [40 min + 15 min discussion]
9:40-10:20	Mridula Bhalla (Institute for Basic Science • Daejeon, Republic of Korea) <i>Astrocyte metabolism: urea cycle and ammonia metabolism</i> [25 min + 10 min discussion]
10:20-10:50	<i>Coffee break</i>
10:50-11:30	Chenju Yi (Sun Yat-sen University • Shenzhen, Guangdong, China) <i>The role of astroglial and microglial Cx43 hemichannels in Alzheimer's disease</i> [25 min + 10 min discussion]
11:30-12:10	Matthew Holt (University of Porto • Porto, Portugal) <i>Astrocyte heterogeneity</i> [25 min + 10 min discussion]
12:10-12:50	Xianshu Bai (China Pharmaceutical University • Nanjing, Jiangsu, China) <i>Disrupted OPC-neuron harmony: a gateway to impaired brain function</i> [25 min + 10 min discussion]
13:00-14:00	<i>Lunch</i>
14:00	<i>Cultural Excursion to Zhou Garden, Lishui</i> 14:00 – Departure by coach for Zhou Garden (Zhou Yuan) Afternoon – Visit to Zhou Garden (approximately 3–3.5 hours) 18:00 Dinner at a local countryside restaurant near Zhou Garden After Dinner – Return to the hotel by coach

Thursday, 15 October

8:45-9:45	Keynote lecture Guanghui Wang (Soochow University • Suzhou, Jiangsu, China) <i>Glia in China - Role of microglia in Parkinson's disease</i> [40 min + 15 min discussion]
9:45-10:25	Amit Agarwal (University of Heidelberg • Heidelberg, Germany) <i>Decoding mitochondrial dynamics in cortical astrocytes</i> [25 min + 10 min discussion]
10:25-10:50	<i>Coffee break</i>
10:50-11:30	Frank Kirchhoff (University of Saarland • Homburg, Germany) <i>The astroglial GABA_B receptor and absence epilepsy – sex-specific differences in response to GHB</i> [25 min + 10 min discussion]
11:30-12:10	Chenju Yi (Sun Yat-sen University • Shenzhen, Guangdong, China) <i>The role of LHB astrocytic Cx43 gap junction in adolescent depression</i> [25 min + 10 min discussion]
12:10-13:20	<i>Lunch</i>
13:20-14:00	Wuhyun Koh (Institute for Basic Science • Daejeon, Republic of Korea) <i>Astrocytes and brain development</i> [25 min + 10 min discussion]
14:00-14:30	Xiaochun Gu (Southeast University) <i>Presentation of Transvista</i>
14:30	<i>Departure to CPU Campus</i> 15:30 – Presentation of CPU
16:15-18:00	Agora • Preparation [with coffee]
18:00	<i>Dinner and continued discussion on Agora topics</i>
20:00	<i>Return to Lishui</i>

Friday, 16 October

9:00-9:40	Mridula Bhalla (Institute for Basic Science • Daejeon, Republic of Korea) <i>Sexual dimorphism of glial aging</i> [25 min + 10 min discussion]
9:40-10:20	Eiji Shigetomi (University of Yamanashi • Yamanashi, Japan) <i>Pathophysiological significance of Gq-GPCR upregulation in reactive astrocytes</i> [25 min + 10 min discussion]
10:20-10:50	<i>Coffee break</i>
10:50-11:30	Wenhui Huang (Sun Yat-sen University • Guangzhou, Guangdong, China) <i>The role of adenosine signaling in regulating astrocyte reactivity</i> [25 min + 10 min discussion]
11:30-12:10	Richard Robitaille (Université de Montréal • Montréal, Canada) <i>Glial CB1 receptors regulate neuromuscular junction in injury and ALS</i> [25 min + 10 min discussion]
12:10-14:00	<i>Lunch</i>
14:00-14:40	Elly Hol (UMC Utrecht • Utrecht, The Netherlands) <i>The astrocyte cytoskeleton in disease</i> [25 min + 10 min discussion]
14:45-17:15	Agora presentations [with coffee]
17:15-17:45	General discussion, Concluding Remarks, Questionnaires
18:00	<i>Farewell Dinner</i>