Sunday, 11 October

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

Monday, 12 October

8:30-9:10	**Richard Robitaille** (Université de Montréal • Montréal, Canada) *Introduction of IAS: The history and future of the International Astrocyte School* [25 min + 10 min discussion]
9:20-10:00	**Elly Hol** (UMC Utrecht • Utrecht, The Netherlands) *Human astrocytes: from post-mortem brains to iPSC models* [25 min + 10 min discussion]
10:10-10:30	*Coffee break*
10:30-11:10	**Eiji Shigetomi** (University of Yamanashi • Yamanashi, Japan) *Diversity of astrocytic calcium signals and their role in circuits and behavior* [25 min + 10 min discussion]
11:10-11:50	**Frank Kirchhoff** (University of Saarland • Homburg, Germany) *Genetic mouse models to study astrocyte physiology in vivo* [25 min + 10 min discussion]
11:50-12:30	**Introduction to UNIV and its business activities**
12:30-13:30	*Lunch*
13:30-14:00	**Visit to UNIV facilities**
14:00-14:40	**Xianshu Bai** (China Pharmaceutical University • Nanjing, Jiangsu, China) *Oligodendrocyte lineage cells in health and disease* [25 min + 10 min discussion]
14:40-15:30	***Scholar presentations*** [7 min + 3 min discussion each] **Xinyi Zhou** (Army Medical University • Chongqing, China) *Astrocytic regulation of demyelination or remyelination in a mouse model of multiple system atrophy* **Shinji Kinoshita** (Waseda University • Tokyo, Japan) *The role of astrocytic ATP release in the response to demyelination* **Xiying Wang** (Shanghai Jiao Tong University School of Medicine • Shanghai, China) *BMS-199264 suppresses microglial inflammation through a potential Spi1/PU.1–Phlda1 pathway* **SunYeong Choi** (Institute for Basic Science • Daejeon, Republic of Korea) *Longitudinal in vivo spinal cord visualization with customize spinal window for astrocytic H_2O_2 imaging* **Rui Xu** (Chinese Institute for Brain Research • Beijing, China) *Molecular basis and functional heterogeneity in astrocytic ATP signaling*
15:30-16:00	*Coffee break*

16:00-17:30 ***Scholar presentations***
[7 min + 3 min discussion each]

Ruiqi Liu (China Pharmaceutical University • Nanjing, China)
Role of OPC-GABA$_B$R 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/vlPAG 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) *Glia in Korea and astrocytes: The good, the bad, and the ugly* [40 min + 15 min discussion]
9:30-10:10	**Matthew Holt** (University of Porto • Porto, Portugal) *RNA-seq toolkit and its application to astrocyte biology* [25 min + 10 min discussion]
10:10-10:30	*Coffee break*
10:30-11:10	**Amit Agarwal** (University of Heidelberg • Heidelberg, Germany) *Studying astrocyte Ca^{2+} activity* [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) *Astrocytic FABP5 drives non-cell-autonomous oligodendrocyte injury in multiple system atrophy by promoting TNF signaling and ferroptotic stress* **An Cheng** (Sun Yat-sen University • Shenzhen, China) *Pathogenic mechanisms and therapeutic potential of fatty acid-binding proteins in multiple system atrophy* **Xinyue Huang** (Soochow University • Suzhou, China) *Investigation of the role and mechanisms of the Parkinson's disease risk gene TMEM175 in microglia* **Jie Jiao** (Sun Yat-sen University • Shenzhen, China) *α-Synuclein-interfering peptide attenuates synucleinopathy in mouse models of Parkinson's disease* **Zhongshan Shi** (Sun Yat-sen University • Shenzhen, China) *Astrocytic sensing of extracellular DNA links tissue damage to cognitive dysfunction* **Danjie Yang** (Sun Yat-sen University • Shenzhen, China) *Early restoration of endothelial MFSD2A protects the hippocampal blood-brain barrier and mitigates Alzheimer's pathology*
12:30-13:00	**Fan Ding, RWD** *Decoding astrocyte activity in vivo: from fiber photometry to fluorescence life time*
13:00-14:00	*Lunch*
14:00-14:40	**Wenhui Huang** (Sun Yat-sen University • Guangzhou, Guangdong, China) *Astrocytes in neuroinflammation* [25 min + 10 min discussion]
14:40-15:20	**Wuhyun Koh** (Institute for Basic Science • Daejeon, Republic of Korea) *Astrocytes and brain development* [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) *Glia in Japan* [40 min + 15 min discussion]
9:40-10:20	**Mridula Bhalla** (Institute for Basic Science • Daejeon, Republic of Korea) *Astrocyte metabolism: urea cycle and ammonia metabolism* [25 min + 10 min discussion]
10:20-10:50	*Coffee break*
10:50-11:30	**Chenju Yi** (Sun Yat-sen University • Shenzhen, Guangdong, China) *The role of astroglial and microglial Cx43 hemichannels in Alzheimer's disease* [25 min + 10 min discussion]
11:30-12:10	**Matthew Holt** (University of Porto • Porto, Portugal) *Astrocyte heterogeneity* [25 min + 10 min discussion]
12:10-12:50	**Xianshu Bai** (China Pharmaceutical University • Nanjing, Jiangsu, China) *Disrupted OPC-neuron harmony: a gateway to impaired brain function* [25 min + 10 min discussion]
13:00-14:00	*Lunch*
14:00	*Cultural Excursion to Zhou Garden, Lishui* 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) *Glia in China - Role of microglia in Parkinson's disease* [40 min + 15 min discussion]
9:45-10:25	**Amit Agarwal** (University of Heidelberg • Heidelberg, Germany) *Decoding mitochondrial dynamics in cortical astrocytes* [25 min + 10 min discussion]
10:25-10:50	*Coffee break*
10:50-11:30	**Frank Kirchhoff** (University of Saarland • Homburg, Germany) *The astroglial $GABA_B$ receptor and absence epilepsy – sex-specific differences in response to GHB* [25 min + 10 min discussion]
11:30-12:10	**Chenju Yi** (Sun Yat-sen University • Shenzhen, Guangdong, China) *The role of LHb astrocytic Cx43 gap junction in adolescent depression* [25 min + 10 min discussion]
12:10-13:20	*Lunch*
13:20-14:00	**Wuhyun Koh** (Institute for Basic Science • Daejeon, Republic of Korea) *Astrocytes and brain development* [25 min + 10 min discussion]
14:00-14:30	**Xiaochun Gu** (Southeast University) *Presentation of Transvista*
14:30	*Departure to CPU Campus* 15:30 – Presentation of CPU
16:15-18:00	**Agora** • Preparation [with coffee]
18:00	*Dinner and continued discussion on Agora topics*
20:00	*Return to Lishui*

Friday, 16 October

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