

23/09/2024: Hangzhou, Zhejiang Chinese Medical University

24/09/2024: Jiaxing, Jiaxing University

25/09/2024: Suzhou, Xi'an Jiaotong-Liverpool University

With the endorsement of the European Academy (Academia Europaea)

The Triangle Neuroscience Conference 2024

International meeting





The Triangle Neuroscience Conference 2024 (Hangzhou-Jiaxing-Suzhou, Sept 22-25, 2024)

Dear colleagues,

Welcome to the Triangle Neuroscience 2024 Conference, hosted in Hangzhou, Jiaxing, and Suzhou!

We are thrilled to have esteemed Chinese and international scholars here to discuss the latest developments in the field of neuroscience. As we gather in these beautiful cities, we are reminded of their important role in both history and in scientific research. These three cities, located in the Yangtze River Delta region, have a rich history in scientific innovation and have been home to groundbreaking discoveries in biomedicine.

As we look to the future, we cannot ignore the growing importance of translational science in our field. The ability to bridge the gap between research and clinical applications is crucial in addressing the complex brain disorders that affect millions of people worldwide. We believe that this conference will provide a platform for researchers, clinicians, and industry professionals to come together and share their insights and experiences in this rapidly evolving field.

We are delighted to see your participation in this conference, and hope that you will take this opportunity to network, learn, and contribute to the advancement of neuroscience. We are also confident that this conference will promote collaboration, knowledge sharing, and further advancements in this fascinating area of study. Let us work together to pave the way for a brighter future in translational neuroscience.

We hope you have a fruitful and enjoyable experience, and take back valuable insights and connections from this conference. Once again, welcome to Hangzhou, Jiaxing, and Suzhou, and we look forward to a successful, impactful and fun time together.

Cordially,

Professor Vladimir PARPURA, MD, PhD, MAE
ZCMU Conference Co-Chair

Professor Alexey SEMYANOV, PhD, DrSci, MAE
JU Conference Co-Chair

Professor Alan KALUEV, PhD, DrSci, MAE
XJTLU Conference Co-Chair





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The Conference:

The Triangle Neuroscience Conference is organized in three cities and jointly supported by three Universities: Zhejiang Chinese Medical University (ZCMU), Jiaying University (JU) College of Medicine and the School of Science of Xi'an Jiaotong-Liverpool University (XJTLU).

Dates and venues:

The conference will be held in Hangzhou September 23, 2024 (hosted by ZCMU), in Jiaying in September 24, 2024 (hosted by JU) and in Suzhou September 25, 2024 (hosted by XJTLU).

The conference is co-organized by three Members of the European Academy, and will be a pre-convention event for the Chinese Neuroscience Society CNS-2024 meeting in Suzhou (September 26-29, 2024).

Conference Chairs:

Professor Vladimir PARPURA, MD, PhD, MAE (ZCMU)
Professor Alexey SEMYANOV, PhD, DrSci, MAE (JU)
Professor Alan KALUEV, PhD, DrSci, MAE (XJTLU)

Main Conference Topics:

- Molecular neuroscience
- Neurochemistry
- Neuron-glia interactions
- Neurophysiology
- Neuroimmunology
- Neuropharmacology
- Neurotoxicology
- Neurogenetics
- Neuroinformatics
- Translational topics in neuroscience





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Conference Program at glance:

September 22, 2024 (Hangzhou)

Arrival to Hangzhou
Meet-and-Greet

19:00 Conference Dinner in Hangzhou

Day 1, September 23, 2024: ZCMU (Hangzhou)

VENUE: Zhejiang Chinese Medical University (ZCMU), Binwen Campus, 23-101

8:30-9:00 Registration and Exhibition (Evident)

9:00-9:20 Welcoming remarks: Hosted by Prof. Ying WANG, Director, International Relations Office, ZCMU, Hangzhou, China
Prof. Wenxiu HUANG, Secretary, Zhejiang Chinese Medical University (ZCMU), Hangzhou, China
Prof. Vladimir PARPURA, Director, International Translational Neuroscience Institute (ITNRI), ZCMU, Hangzhou, China, Conference Co-Chair





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9:20-9:50 Opening plenary lecture: Prof. Zhong CHEN, President, ZCMU, Hangzhou, China: Cell-specific Neuropharmacology on Histamine Research (moderator: Vladimir PARPURA, ZCMU)

9:50-10:00 Evident talk: Mr. Da CHEN, Product Manager, Evident, China, Transforming Precision Imaging: Evident Revolutionary Confocal Microscope FV4000 (moderator: Vladimir PARPURA, ZCMU)

10:00-10:30 Exhibition and Refreshments (Evident)

10:30-12:30 HANGZHOU - EVIDENT SYMPOSIUM (moderators: Prof. Vedrana MONTANA, ZCMU and Prof. Yi WANG, ZCMU)

10:30-10:50 Prof. Alan KALUEV, Suzhou Key Laboratory of Neurobiology and Cell Signaling, Department of Biological Sciences, School of Science, Xi'an Jiaotong-Liverpool University (XJTLU, Suzhou, China: Molecular psychiatry of stress: lessons from zebrafish

10:50-11:10 Alisa TIAGLIK, Jiaxing University, Jiaxing, China: Metabolic response of cortical neurons, astrocytes, and blood vessels to locomotion

11:10-11:30 Prof. Jacek JAWORSKI, International Institute of Molecular and Cell Biology (IIMCB), Warsaw, Poland: mToropathies, searching for new druggable mechanism

11:30-11:50 Prof. Naira AYVAZYAN, Orbeli Institute of Physiology NAS RA, Yerevan, Armenia: Presynaptic neurotoxic properties of the snake venom phospholipases A2 and its translational potential

11:50-12:10 Prof. Mikhail FIRSOV, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia: cAMP as a non-canonical regulator of the phototransduction cascade in vertebrates

12:10-12:30 Dr. Anna FEDOTOVA, Jiaxing University, Jiaxing, China: Spatial and temporal organization of astrocytic calcium activity patterns in the somatosensory cortex of awake mice

12:30-13:40 Lunch break

17:00-18:30 Departure for Jiaxing

19:00 Conference Dinner in Jiaxing





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Day 2, September 24, 2024: JU (Jiaxing)

VENUE: Jiaxing University (JU) campus

**8:30-9:30 Registration and Exhibition (VectorBuilder, RWD and Evident)
Refreshments (RWD and VectorBuilder)**

9:00-9:20 Welcoming remarks: Mr. Wenping SHEN, Director, Jiaxing City Government Foreign Affairs Department, Jiaxing, China
Prof. Qi ZHANG, Vice President, Jiaxing University, Jiaxing, China
Prof. Alexey SEMYANOV, Director, Neuroscience Center, Jiaxing University, Jiaxing, China, Conference Co-Chair

9:20-9:50 Opening plenary lecture: Prof. Frank KIRCHHOFF, University of Saarland, Germany: Glial transmitter receptors and ion channels determine brain function and behaviour

9:50-10:10 Exhibition and coffee break (VectorBuilder, RWD and Evident)

10:10-12:10 JIAXING SYMPOSIUM (moderator: Prof. Alexey SEMYANOV)

10:10-10:30 Prof. Chun XU, Shanghai Institute of Neuroscience CAS, Shanghai, China

10:30-10:50 Prof. Alexander VASSILEVSKI, Institute of Bioorganic Chemistry, Moscow, Russia P2X3 receptor antagonist from spider venom is an analgesic and antitussive drug lead

10:50-11:10 Dr. Vahe POGHOSYAN, Head of MEG unit, Consultant of neuronavigation National Neuroscience Institute, King Fahad Medical City, Riyadh, Saudi Arabia: Magnetoencephalography for presurgical localization of epileptic focus

11:10-11:30 Dr. Konstantin DEMIN, RIKEN Center for Brain Science, Tokyo, Japan: Advances in Neurofeedback, its applications and future research

11:30-11:50 Dr. Lee Wei LIM, School of Science, XJTLU, Suzhou, China: Deep brain stimulation: from antidepressants to memory enhancement

11:50-12:10 Prof. Liang ZHANG, Shanghai Jiao Tong University, School of Medicine, Songjiang Research Institute, Shanghai, China: White matter injury and repair

12:10-13:40 Lunch break

17:00-18:30 Departure for Suzhou

19:00 Conference Dinner in Suzhou





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Day 3, September 25, 2024: XJTLU (Suzhou)

VENUE: Xi'an Jiaotong-Liverpool University (XJTLU) SIP campus, SC Building, SC162

8:30-9:00 Registration, Exhibition (Evident) and Refreshments

9:00-9:20 Welcoming remarks: Prof. John MORAROS, Dean, School of Science, XJTLU
Prof. Alan KALUEV, Director, Suzhou Key Laboratory of Neurobiology and Cell Signaling, XJTLU, Conference Co-Chair

9:20-9:50 Opening plenary lecture: Prof. Minyan WANG, School of Science, XJTLU, Suzhou, China: Exploring the role of TRPA1 in migraine pathogenesis

9:50-10:10 Coffee break and Exhibition (Evident)

10:10-12:10 SUZHOU SYMPOSIUM (moderator: Prof. Alan KALUEV)

10:10-10:30 Prof. Eyad ELKORD, Suzhou Key Laboratory of Biomedical Sciences and Translational Immunology, School of Science, XJTLU, Suzhou, China: T-regulatory cells and immune checkpoints in cancer: lessons for neuroscience

10:30-10:50 Prof. Alexey SEMYANOV, Neuroscience Center, Jiaxing University, Jiaxing, China: Morpho-functional changes in astrocytes as a hallmark of brain ageing

10:50-11:10 Prof. Vedrana MONTANA, ITNRI, ZCMU, Hangzhou, China: Malignant Glioma – from Bench to Bedside

11:10-11:30 Prof. Konstantin YENKOYAN, Yerevan State Medical University, COBRAIN Neuroscience Center of Excellence, Yerevan, Armenia: Modeling neurodegeneration in vivo

11:30-11:50 Prof. Xi ZHANG, Wisdom Lake Academy of Pharmacy, XJTLU, Suzhou, China: Synaptotagmin-11 Inhibits Synaptic Vesicle Endocytosis via Endophilin A1

11:50-12:10 Prof. Bernat KOCSIS, Medical School, Harvard University, Boston, USA: Frequency-tagged bidirectional coupling between cortex and hippocampus: the effect of selective Dopamine 4 (D4) receptor agonist

12:10-13:00 Lunch break

13:00: SATELLITE SYMPOSIUM (16TH INTERNATIONAL ZNRC ZEBRAFISH NEUROSCIENCE WORKSHOP) (moderator: Prof. Alan KALUEV)





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13:00-13:20 Prof. Alan KALUEV, Suzhou Key Laboratory of Neurobiology and Cell Signaling, Department of Biological Sciences, School of Science, XJTLU, China, Chair, International Zebrafish Neuroscience Research Consortium (ZNRC): Zebrafish models of brain disorders

13:20-13:40 Prof. Jacek JAWORSKI, IIMCB, Warsaw, Poland: Modeling mTOR-related disorders in Zebrafish

13:40-14:00 Dr. Xi LI, Wenzhou Medical University, Wenzhou, China: Targeting the Gut-Brain axis using Zebrafish models

14:00-14:20 Prof. Tamara AMSTISLAVSKAYA, Institute of Neurosciences and Medicine, Novosibirsk, Russia: Modeling neurodegeneration in Zebrafish

14: 20-14:40 Coffee break

14:40-15:00 Dr. Konstantin DEMIN, RIKEN Center for Brain Science, Tokyo, Japan: Decoding the ISR signaling in the brain

15:00-15:20 Longen YANG, School of Science, XJTLU, Suzhou, China: Developing novel behavioral models in Zebrafish

15:20-15:40 GENERAL DISCUSSION

15:40-16:30 XJTLU Zebrafish Facility Tour and Zebrafish Core Poster Blitz

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