

SCIENTIFIC PROGRAM

SESSION LECTURE

No.29

Novel Insight Into Glial Function in Diseases
Room: Swan Room 4

Co-Chairs:
Lan Xiao



Helmut Kettenmann



Day 1 October 19th (Saturday) 14:00 – 17:40

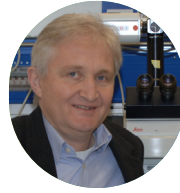
Time	Speaker	Title
14:00-14:30	Helmut Kettenmann Charité-University Medicine Berlin, Germany	Microglia in health and disease
14:30-15:00	Guang-Hui Wang Soochow University Suzhou, China	Repression of microglial activation against inflammation-induced dopaminergic neuronal loss
15:00-15:30	Jovica Ninkovic Biomedical Center of LMU, Munich, Germany	Understanding the contribution of glial cells to generation of the injury induced microenvironment
15:30-15:40	Tea Break	
15:40-16:10	Klaus-Armin Nave Max-Planck-Institute of Multidisciplinary Sciences Germany	Novel functions of oligodendrocytes in axonal energy metabolism and neurodegenerative disease
16:10-16:40	Feng Mei Army Medical University Chongqing, China	Growth hormone governs myelination via regulating pericyte-dependent angiogenesis
16:40-17:10	Bin Lin The HongKong Polytechnic University China	The role of CX3CR1/STAT3 signaling in microglia-mediated neurotoxicity
17:10-17:40	Lan Xiao Army Medical University Chongqing, China	Oligodendroglial dysfunction in Neuropsychiatry disorders



Helmut Kettenmann

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Senior Professor at the Charité-University Medicine Berlin. The director of the Brain Cognition and Brain Disease Institute at SIAT, China. He is a Member of the German National Academy of Sciences (Leopoldina), Editor-in-Chief of the journal GLIA, and former president of the German Neuroscience Society. He has been studying the functions of all three major types of glial cells in the brain and published 444 papers, including papers in well-known journals such as Nature, Nature Neuroscience and Nature Medicine, H-factor at the Web of Science is 102.



Klaus-Armin Nave

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The director at the Max Planck Institute for Multidisciplinary Sciences. He is a member of the German National Academy of Sciences Leopoldina and a member of EMBO. He has been studying the interactions of neurons and glial cells in the mammalian nervous system with a special interest in the role of oligodendrocytes and Schwann cells, and has revealed novel function and mechanisms of myelination in both central and peripheral nervous system. He has published 364 papers and H-factor at the Web of Science is 119.



Guang-Hui Wang

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Principal investigator in the Department of Pharmacology, Soochow University. Research in Dr. Wang's laboratory focuses on the molecular basis of Parkinson's disease (PD). Dr. Wang is particularly interested in the molecular mechanisms and signaling pathways involved in microglial activation in PD. His research aimed to identify pathways or targets involved in neuroinflammation associated with the neuronal damage of dopaminergic neurons.



Feng Mei

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Professor and Director of Department of Histology and Embryology, Army Medical University. He has a long-standing interest in understanding the molecular mechanisms and cell-to-cell interactions involved in oligodendrocyte differentiation in developing brains and myelin dynamics in various neurodegenerative diseases, by using cell-lineage tracing and oligodendrocyte-specific manipulation.



Jovica Ninkovic

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Professor and Director of Research Unit Central Nervous System Regeneration, Helmholtz Zentrum München, Munich. He focus on basic and translational research aiming at novel strategies for brain repair and regeneration by modulating the function of glial cells using two animal models (zebrafish and mouse), and using a combination of in vivo cell imaging methods and OMICS analysis to identify predictive biomarkers and novel therapeutic approaches applicable to human brain injury.



Bin Lin

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Professor and Associate Head, School of Optometry, The Hong Kong Polytechnic University. His research interests remain primarily focused on understanding the mechanisms underlying neuronal degeneration in retinitis pigmentosa and glaucoma. As people age, cognitive performance gradually declines. His group uses the retina as a window to explore pro-aging factors for the development of novel therapies for improving cognitive function in the aging brain.



Lan Xiao

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Professor of Army medical university, Director of Chongqing Key Laboratory of Brain Development and Cognitive Science. She has a long-standing interest in the development and function of glial cells, and mainly focus on the role and mechanisms of oligodendroglial lineage in the pathogenesis of neuropsychiatric disorders.