SESSION LECTURE

No. 14

Nervous System Development

Room: 305

Co-Chairs: Xu Zhang  **Zoltan Molnar** 

Day 1 October 27th (Saturday) 13:30 – 17:00		
Time	**Speaker**	**Title**
13:30-14:00	**Zoltan Molnar** *University of Oxford, UK*	Cortical layer with no known function
14:00-14:30	**Xiang Yu** *Institute of Neuroscience, Chinese Academy of Sciences, China*	Molecular mechanism underlying early global neural circuit development
14:30-15:00	**Robert Hevner** *University of California at San Diego, USA*	Clonal Lineage Tracing of Cortical Progenitor Cells
15:00-15:30	**Tea Break**	
15:30-16:00	**Xu Zhang** *Institute of Neuroscience, Chinese Academy of Sciences, China*	FGF13 in brain development and intellectual disability
16:00-16:30	**Songhai Shi** *Memorial Sloan Kettering Cancer Center, USA*	Lineage-dependent assembly of the neocortex
16:30-17:00	**Xiaoqun Wang** *Institute of Biophysics, Chinese Academy of Sciences, China*	Single-cell RNA-seq analysis maps the development of human fetal Brain

Xu Zhang

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Senior Principal Investigator and Head of the Laboratory of Sensory System. He is an academician of Chinese Academy of Sciences and vice-president of Shanghai Branch, CAS. The aims of his research are to understand the molecular and cellular mechanisms underlying pain and cognitive disorders.

Zoltan Molnar

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Head of the Cellular Neuroscience Cluster and member of the Neuroscience Management Board, University of Oxford. The aims of his research are to decipher how cerebral cortical neural cell fates are determined, and how development of cortical functional specialisation (arealization) is determined by genetic and environmental factors.

Xiang Yu

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Senior Investigator (tenured) and head of Laboratory of Dendrite Development and Neural Circuit Formation, Institute of Neuroscience, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences. She is particularly interested in the effect of natural sensory experience on neural circuit formation, as well as molecular mechanism underlying spine pruning.

Robert Hevner

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Professor of Pathology and Director of Neuropathology, University of California San Diego. His team are particularly interested in understanding basic mechanisms of neurogenesis and brain development and neurodevelopmental disorders.

Xiaoqun Wang

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Professor at the Institute of Biophysics, Chinese Academy of Science. His area of research expertise is studying the function and regulation of neural stem cells in the mammalian brains.

Songhai Shi

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Professor of the Memorial Sloan Kettering Cancer Center. Developmental neurobiologist Songhai Shi investigates the molecular and cellular mechanisms underlying mammalian neuronal development and circuit formation.