

## SCIENTIFIC PROGRAM

### SESSION LECTURE

No.28

Stem Cell and Regenerative Medicine

Room: 308

Co-Chairs: Duanqin Pei



Rudolf Jaenisch



Day 2 October 28<sup>th</sup> (Sunday) 13:30 – 17:00

Time	Speaker	Title
13:30-14:00	<b>Rudolf Jaenisch</b> <i>Massachusetts Institute of Technology, USA</i>	Epigenetic regulation in development, aging and disease
14:00-14:30	<b>Shaorong Gao</b> <i>Tongji University, China</i>	Epigenetic regulation in early embryo development and somatic cell reprogramming
14:30-15:00	<b>Ian Chambers</b> <i>University of Edinburgh, UK</i>	The contribution of pluripotency transcription factors to primordial germ cell function
15:00-15:30	<b>Tea Break</b>	
15:30-16:00	<b>Duanqin Pei</b> <i>Guangzhou Institutes of Biomedicine and Health, CAS, China</i>	Cell Fate Decisions during Somatic Cell Reprogramming
16:00-16:30	<b>Guoji Guo</b> <i>Zhejiang University School of Medicine, China</i>	Mapping the Mouse Cell Atlas by Microwell-seq
16:30-17:00	<b>Richard Young</b> <i>Massachusetts Institute of Technology, USA</i>	Phase separation and control of cell identity in mammalian cells



### Duanqin Pei

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Dr. Pei is Professor and Director General of Guangzhou Institutes of Biomedicine and Health, Chinese Academy of Sciences, in Guangzhou, China. He is the founding executive director of the newly established Guangzhou Regenerative Medicine and Health Guangdong Laboratory. Dr. Pei joined the Medical Faculty at Tsinghua University in Beijing China in 2002 and moved to the newly formed Guangzhou Institutes of Biomedicine and Health in 2004.



### Richard Young

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Professor Young studies gene regulation in health and disease. He has served as an advisor to the World Health Organization and the National Institutes of Health. His honors include Membership in the National Academy of Sciences and Scientific American has recognized him as one of the top 50 leaders in science, technology and business.



### Shaorong Gao

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Dr. Shaorong Gao is currently a full professor and the dean of the School of Life Sciences and Technology, Tongji University. He is a “Yangtze River Scholar” professor and a “Distinguished Young Scholar” of NSFC. He has served as the member of National “Stem Cell Research” Significant Scientific Research Plan expert committee in China. He returned to China in late 2005 and worked as an investigator in the National Institute of Biological Sciences, Beijing.



### Rudolf Jaenisch

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Jaenisch is a Founding Member of the Whitehead Institute for Biomedical Research and a Professor of Biology at the Massachusetts Institute of Technology. Dr. Jaenisch is a Member of the National Academy of Sciences and the International Society for Stem Cell Research. In 1996 he was honored with the Boehringer Mannheim Molecular Bioanalytics Prize, in 2001 was the recipient of the first ever Peter Gruber Foundation Award in Genetics, in 2002 won the Robert Koch Prize for Excellence in Scientific Achievement, the March of Dimes Prize in 2015 and in 2011 was a recipient of the United States National Medal of Science. In 2014 he was president of the ISSCR.



### Ian Chambers

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FRSE, FRSB, Professor of Pluripotent Stem Cell Biology, Ian identified the pluripotency transcription factor Nanog using a functional genetic screen. His lab's research is focussed on understanding how key transcription factors in the pluripotency gene regulatory network control cell identity both in pluripotent cells and in cells of the germline.



### Guoji Guo

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Professor GuojiGuo is the deputy director of Center for Stem Cell and Regenerative Medicine at Zhejiang University School of Medicine. He is also the deputy chair of Stem Cell Society at Zhejiang University. Professor GuojiGuo is interested in developing new single cell analysis technologies and applying these technologies to investigate stem cell biology. He is also looking for novel methods that enable stem cell expansion in vitro.