

## Schedule

Arrangement				
Time (UK)	Time (China)	Name	Lab	Title of Topic
<b>Session I Development and Evolution</b>				
07:35-07:40	14:35-14:40	Opening (Xinhua Feng)		
07:40-08:00	14:40-15:00	Dheeraj Rayamajhi (IMCB)	Sudipto Roy's lab	Geminin: Unraveling the role in multiciliated cell differentiation in zebrafish
08:00-08:20	15:00-15:20	Ka Wai (Gary) WONG (IMCB)	Jonathan Loh's lab	Nuclear receptor Nr1h2 facilitates mouse expanded potential stem cell to form blastocyst-like organoids
08:20-08:40	15:20-15:40	Jia Chen (Gurdon Institute)	Daniel St Johnston's lab	From progenitor cells to enterocytes: Apical domain formation during enterocyte integration in fly midgut
08:40-09:00	15:40-16:00	Shuyu Liu (Gurdon Institute)	Emma Rawlins' lab	The roles of EGFR and FGFR in cell shape maintenance of human lung tip progenitor cells
09:00-09:20	16:00-16:20	Zexian Zhu (LSI)	Qi Zhou's lab	Diversity of reptile sex chromosome evolution revealed by cytogenetic and linked-read sequencing
09:20-09:40	16:20-16:40	Free Discussion		
<b>Session II Cancer Biology and Therapeutics</b>				
09:40-10:00	16:40-17:00	Shixun Han (LSI)	Bin Zhao's lab	FUNDC2 promotes liver tumorigenesis by inhibiting MFN1-mediated mitochondrial fusion
10:00-10:20	17:00-17:20	Ren Guowen (University of Macau.)	Joong Sup Shim's lab	BET inhibition elicits the vulnerability of PTEN deficient colorectal cancers via synthetic lethality
10:20-10:40	17:20-17:40	Ramesh Kumar (IMCB)	Noel F Lowndes's lab	"HTS" identified drug compound synthetic lethal to p53 defective cancer
10:40-11:00	17:40-18:00	Chenlu Geng (LSI)	Yong Cang's lab	Lenalidomide bypasses CD28 co-stimulation to reinstate PD-1 immunotherapy by activating Notch signaling
11:00-12:00	18:00-19:00	Lunch / Dinner		
<b>Session III Development and Evolution</b>				

**July,  
6th**

	12:00-12:20	19:00-19:20	Junchao Jiang (LSI)	Hengyu Fan's lab	The mechanism of translational regulation of maternal mRNA in mouse oocyte meiosis
	12:20-12:40	19:20-19:40	Samiyah (IMCB)	Jonathan Loh 's lab	Investigating transcriptional networks involved in blood lineage commitment.
	12:40-13:00	19:40-20:00	Ser van der Burght (Gurdon Institute)	Julie Ahringer's lab	Uncovering genomic drivers of zygotic genome activation and early embryonic development in C. elegans using single-cell multiomics
	13:00-13:20	20:00-20:20	Jiaheng Li (University of Macau.)	San Ming Wang's lab	Human BRCA pathogenic variants were originated during recent human history
	13:20-13:40	20:20-20:40	Hwee Hui (IMCB)	Adrian Teo's lab	Dissecting the role of diabetes-associated PAX4 polymorphisms in modulating pancreatic beta cell development and function

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	<b>Time (UK)</b>	<b>Time (China)</b>	<b>Name</b>	<b>Lab</b>	<b>Title of Topic</b>
<b>July, 7th</b>	<b>Session V Immunology</b>				
		10:40-11:00	Bo Wei (ITM)	Peng Shi's lab	Regional specificity of microglia in hypertension
		11:00-11:20	Mengze Xu (University of Macau.)	Zhen Yuan's Lab	Self-Cascaded ROS- responsive Polymeric Micelles for Anti-inflammation of Rheumatoid Arthritis and Relative Mechanisms
		11:20-11:40	Xiaona Chen (School of Medicine ZJU)	Hangxiang Wang's lab	Nanoliposomal non-nucleotide STING agonist prodrugs for improving antitumor immunity
	<b>Session VI Regulation of Gene Expression</b>				
	07:00-07:20	14:00-14:20	Huanyi Fu (LSI)	Huasong Lu's lab	Poly(ADP-ribosylation) of P-TEFb by PARP1 disrupts phase separation to inhibit global transcription after DNA damage
	07:20-07:40	14:20-14:40	Lau Mei Sheng (IMCB)	Chromatin Dynamics and Disease Epigenetics Group	Transcriptional repression by a conserved surface of DNA topoisomerase I safeguards against transcription overdrive

07:40-08:00	14:40-15:00	Suman Wang (USTC)	Yunyu Shi's lab	Structural basis of the interaction between SETD2 methyltransferase and hnRNP L paralogs for governing co-transcriptional splicing
08:00-08:20	15:00-15:20	Nadia Omega Cipta (IMCB)	Jonathan Loh's Lab	A study of the collaboration between transcription factors and transposable element enhancers in pluripotency regulation
08:20-08:40	15:20-15:40	Free Discussion		
<b>Session VI Metabolism and Homeostasis</b>				
08:40-09:00	15:40-16:00	Wen Fang (LSI)	Cunqi Ye's lab	Reciprocal regulation of phosphatidylcholine synthesis and H3K36 methylation programs metabolic adaptation
09:00-09:20	16:00-16:20	So Wing Yan (IMCB)	Laboratory of Metabolic Medicine	Paired Box 6 Programs Essential Exocytotic Genes in the Regulation of Glucose-Stimulated Insulin Secretion and Glucose Homeostasis
<b>Session VII Biomaterials and New Methodologies</b>				
09:20-09:40	16:20-16:40	Yanqi Chen (School of Medicine ZJU)	Qianming Chen's lab	Fabrication and biological evaluation of novel titanium-based biomaterials by hydrothermal synthesis
9:40-10:00	16:40-17:00	Hao Jia (University of Macau.)	Kathy Qian Luo's lab	A genetically encoded fluorescent sensor zebrafish toolkit for tissue-specific and real-time tracking of apoptosis in live animals
10:00-10:20	17:00-17:20	Xiaoman Luo (IMCB)	Glycotherapeutics Group	A BMP2-binding heparan sulfate collagen device for periodontal regeneration in non-human primates
10:20-10:40	17:20-17:40	Yanhong Su (University of Macau.)	Xuanjun Zhang's Lab	Amphiphilic dendrimer doping enhances the pH-Sensitivity of liposomal vesicles for ferroptotic therapy of hepatocellular carcinoma
10:40-11:00	17:40-18:00	Michelle Miniter (Gurdon Institute)	David Fernandez-Anto ran's lab	In vitro 3D modelling of immune-epithelial interactions
11:00-12:00	18:00-19:00	Lunch / Dinner		
<b>Session VIII Human Diseases</b>				

	12:00-12:20	19:00-19:20	Zhiwei Zheng (School of Medicine ZJU)	Yihui Cui's lab	A habenula-centric neural circuitry mechanism of chronic stress induced depression
	12:20-12:40	19:20-19:40	Jeremy Pang (IMCB)	School of Biological Sciences	Characterizing arrhythmia using machine learning analysis of Ca <sup>2+</sup> cycling in human cardiomyocytes
	12:40-13:00	19:40-20:00	Xinran Li (LSI)	Xinhua Feng's lab	A new therapeutic target for broad-spectrum treatment of lysosome storage disorders
	13:00-13:20	20:00-20:20	Smarajit Chakraborty (IMCB)	Mechanobiology Institute	Novel anti-microbial peptides derived from differentiating adipose-derived stem cells