

Schedule

Arrangement				
Time (UK)	Time (China)	Name	Lab	Title of Topic
Session I Molecular Studies of Biodiversity Chair: Qi Zhou				
07:30-07:40	14:30-14:40	Opening (Xinhua Feng)		
07:40-08:00	14:40-15:00	Jiaxing Tan (LSI)	Yongqun Zhu's lab	Structural basis of assembly and torque transmission of the bacterial flagellar motor
08:00-08:20	15:00-15:20	Ruijing Geng (University of macau)	Wei Ge's lab	Nicotinamide Mononucleotide (NMN) Supplementation Rescues the Declining Egg Quality and Fertility of Aged Female Zebrafish
08:20-08:40	15:20-15:40	Yifeng Wang (LSI)	Qi Zhou's lab	Dynamic turnovers of sexual systems, sex chromosomes and sex-linked gene expression of worms
08:40-09:00	15:40-16:00	Ulrika Yuan (Gurdon Institute)	Eric Miska's lab	Transcriptional divergence during early embryogenesis in cichlids
09:00-09:20	16:00-16:20	Ason Chiang (Gurdon Institute)	Hansong Ma's lab	Reducing Mitochondrial DNA Polymerase Promotes Elimination of Deleterious Mitochondrial Mutations
09:20-09:40	16:20-16:40	Free Discussion		
Session II Epigenetics and Transcriptional Regulation Chair: Wee Wei				
09:40-10:00	16:40-17:00	Yingying Zeng (IMCB)	Jonathan Yuin-Han Loh's lab	Transposable elements contribute to the functionality of chromatin topological structure and chromatin looping
10:00-10:20	17:00-17:20	Anna Townley (Gurdon Institute)	Julie Ahringer's lab	Defining the functional components of constitutive heterochromatin through genetic interaction screening
10:20-10:40	17:20-17:40	Dale Maxwell (IMCB)	Sudipto Roy's lab	Prpf8: Linking Splicing to Cilia Function, Characterising a Spliceosome Mutant with Left/Right Axis Defects
10:40-11:00	17:40-18:00	Yanjun Zhang (LSI)	Dong Fang's lab	The chromatic loci of H3.3K36M determine the preferential prevalence of K36M mutation at H3.3 in chondroblastomas

July,
14th

	11:00-12:00	18:00-19:00	Lunch / Dinner		
	Session III Stem Cells and Organogenesis Chair: Peng Xia				
	12:00-12:20	19:00-19:20	Kyungtae Lim (Gurdon Institute)	Emma Rawlins's lab	Developmental Acquisition of Alveolar Signature in Human Fetal Lung
	12:20-12:40	19:20-19:40	Wei Xuan Tan (IMCB)	Adrian Kee Keong Teo's lab	Progressive endoplasmic reticulum stress over time due to human insulin gene mutation contributes to pancreatic beta cell dysfunction
	12:40-13:00	19:40-20:00	Lana Kostic (IMCB)	Nick Barker's lab	Lgr5 positive stem/progenitor cells play an important role in esophageal development and repair
	13:00-13:20	20:00-20:20	Faxiang Xu (University of macau)	Guokai Chen's lab	Lysophosphatidic Acid Shifts Metabolic and Transcriptional Landscapes to Induce a Novel Cellular State in Human Pluripotent Stem Cells
	13:20-13:40	20:20-20:40	Qirou Wu (LSI)	Pinglong Xu's lab	The protein phosphatase PPM1A dephosphorylates and activates YAP to govern mammalian intestinal and liver regeneration

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	Time (UK)	Time (China)	Name	Lab	Title of Topic
	Session IV Immunology and Cell Biology Chair: Xinran Li				
July, 15th	07:20-07:40	14:20-14:40	Blaise Su Jun Low (IMCB)	Adrian Kee Keong Teo's lab	Decreased GLUT2 and Glucose Uptake Contribute to Insulin Secretion Defects in MODY3/HNF1A hiPSC-Derived Human β Cells
	07:40-08:00	14:40-15:00	Qiu Tao (IMCB)	Sudipto Roy's lab	Ciliary control of meiotic chromosomal pairing mechanics and germ cell morphogenesis
	08:00-08:20	15:00-15:20	Yinghan Yan (University of macau)	Tzu-Ming Liu's lab	Label-free Detection and Visualization of Apoptosis and Necrosis
	08:20-08:40	15:20-15:40	Jinhua Han (LSI)	Jun Huang's lab	ATM controls the extent of DNA end resection by eliciting sequential posttranslational modifications of CtIP
	08:40-09:00	15:40-16:00	Jianshuai Yu (LSI)	Jin Jin's lab	Substrate-specific recognition of IKKs mediated by USP16 facilitates autoimmune inflammation

09:00-09:20	16:00-16:20	Free Discussion		
Session V Cell Signalling Pathway Chair: Bin Zhao				
09:20-09:40	16:20-16:40	Qunxiang Ong (IMCB)	Weiping Han's lab	Optogenetic Control Of O-GlcNAc Signaling
09:40-10:00	16:40-17:00	Jinquan Liu (LSI)	Xin-Hua Feng's lab	AMBRA1 Promotes TGF-beta Signaling via Non-proteolytic Poly-ubiquitylation of Smad4
10:00-10:20	17:00-17:20	Ying Chen (IMCB)	Jonathan Yuin-Han Loh's lab	Missing links in retinal ganglion cell development
10:20-10:40	17:20-17:40	Soren Hough (Gurdon Institute)	Steve Jackson's lab	CRISPR-Cas9 screen reveals a novel role for an E3 ubiquitin ligase in the DNA damage response
10:40-11:00	17:40-18:00	Lillian Lim (IMCB)	Adrian Kee Keong Teo's lab	Metformin perturbs pancreatic differentiation from human embryonic stem cells
11:00-12:00	18:00-19:00	Lunch / Dinner		
Session VI Cancer Biology Chair: Qiang Chen				
12:00-12:20	19:00-19:20	Aliya Fatehullah (IMCB)	Nick Barker's lab	A Tumour-Resident Lgr5+ Stem Cell - Like Pool Drives the Establishment and Progression of Advanced Gastric Cancers
12:20-12:40	19:20-19:40	Jieqiong Zhang (IMCB)	Tee Wee Wei's lab	Investigating the role of Negative Elongation Factor (NELF) complex in driving pro-metastatic transcriptional reprogramming in breast cancer
12:40-13:00	19:40-20:00	Jianlin Liu (University of macau)	Xiaoling Xu' lab	Characterization of BRCA1-deficient pre-malignant tissues and cancers identifies Plekha5 as a tumor metastasis suppressor
13:00-13:20	20:00-20:20	Zhan Zhang (University of macau)	Yunlu Dai's Lab	Polyphenol-Based Nanomedicine Evokes Immune Activation for Combination Cancer Treatment
13:20-13:40	20:20-20:40	Haipeng Lei (Josh) (University of macau)	Deng Chuxia's lab	Activation of FGFR2 Signaling Suppresses BRCA1 and Drives Triple-Negative Mammary Tumorigenesis that Is Sensitive to Immunotherapy