

2018 Queenstown Molecular Biology Meetings in Shanghai Preliminary Programs

Thursday, March 22

Day 1	Thursday, March 22	Plenary Session	Shanghai Hall	Country	
8:30-8:45	Ming-Wei Wang	Opening remarks	The National Center for Drug Screening; School of Pharmacy, Fudan University, Shanghai, China	China	Plenary
8:45-9:00	Xin Xie	Introduction of Dr. Roger Komberg	The National Center for Drug Screening, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China	China	Plenary
9:00-9:50	Roger D. Komberg (2006 Nobel Laureate in Chemistry)	The molecular basis of eukaryotic transcription	Stanford University School of Medicine, Palo Alto, U.S.A.	U.S.A.	Plenary
9:50-10:40	Gerald I. Shulman	The new biology of type 2 diabetes	Yale University School of Medicine, New Haven, U.S.A.	U.S.A.	Plenary
10:40-11:10	Coffee Break				
11:10-12:00	Peter Carmeliet	Angiogenesis revisited: role and therapeutic implications of endothelial metabolism	VIB-KU Leuven Center for Cancer Biology, Leuven, Belgium	Belgium	Plenary
12:00-13:00	Lunch and Technology Show Cases (Shanghai Hall) Moderator: Dehua Yang				
12:20-12:30	PerkinElmer Management (Shanghai) Co., Ltd.		Accelerate your drug discovery process	Sponsor	
12:30-12:40	Bio-Gene Technology Ltd.		Ultrafast kinetic assays for ligand-receptor interaction: A combination of advanced HTS microplate reader and NanoBRET technology	Sponsor	
12:40-12:50	Cisbio China Ltd., Co.		HTRF, a shortcut to drug discovery Introduction of HTRF technology and application	Sponsor	
Day 1	Thursday, March 22	Cancer Biology Moderators: Sunghoon Kim and Xiaoguang Lei	Shanghai Hall	Country	
13:00-13:30	Thomas R. Cox	Garvan Institute of Medical Research, Darlinghurst, Australia	The dynamic extracellular matrix in cancer progression and metastasis	Australia	Cancer
13:30-14:00	Shengtao Zhou	West China Second Hospital, Sichuan University, Chengdu, China	Systems biology approaches to identify key regulators of ovarian cancer progression	China	Cancer
14:00-14:30	Sunghoon Kim	Seoul National University, Seoul, Korea	Developing novel therapy against fibrosis	Korea	Cancer
14:30-15:00	Xiaoguang Lei	Peking University, Beijing, China	Dissecting programmed cell death with small molecules	China	Cancer
15:00-15:30	Coffee Break				
15:30-16:00	Rutao Cui	Boston University, Boston, U.S.A.	The protective role of DOT1L in UV-induced melanoma genesis	U.S.A.	Cancer
16:00-16:30	Jo Penry	The University of Auckland, Auckland, New Zealand	The growth hormone receptor as a therapeutic target in cancer	New Zealand	Cancer
16:30-17:00	Youngjoo Kwon	Ewha Womans University, Seoul, Korea	Mechanism of trastuzumab resistance induced by heat shock protein 27 in HER2-overexpressing breast cancer	Korea	Cancer
17:00-17:30	Peter Gunning	University of New South Wales, Sydney, Australia	Targeting specific functions of the actin cytoskeleton via high content screening and drug design	Australia	Cancer
Day 1	Thursday, March 22	Innovative Research Moderators: Yan-Mei Li and Tao Pang	Frankfurt Hall	Country	
13:00-13:30	Martin Whitham	Garvan Institute of Medical Research, Darlinghurst, Australia	Extracellular vesicles mediate tissue cross talk during exercise	Australia	Innovative Research
13:30-14:00	Yan-Mei Li	Tsinghua University, Beijing, China	Phosphorylation induce amyloid protein to form different stains	China	Innovative Research
14:00-14:30	Georg C. Terstappen	GlaxoSmithKline R&D Centre Shanghai, Shanghai, China	Challenges and opportunities in CNS drug discovery	U.K.	Innovative Research
14:30-15:00	Teruna J. Siahaan	The University of Kansas, Lawrence, U.S.A.	Enhancing brain delivery of molecules	U.S.A.	Innovative Research
15:00-15:30	Coffee Break				
15:30-16:00	Jiandong Ding	Department of Macromolecular Science, Fudan University, Shanghai, China	Sustained release of polypeptides using synthetic hydrogels in the treatment of type 2 diabetes	China	Innovative Research
16:00-16:30	Tao Pang	China Pharmaceutical University, Nanjing, China	Drug repurposing and secondary development for ischemic stroke treatment	China	Innovative Research
16:30-17:00	Jae-Gook Shin	Busan Paik Hospital, Inje University College of Medicine, Busan, Korea	Pharmacogenomics and model based personalized precision pharmacotherapy	Korea	Innovative Research
17:00-17:30	Jian Zhang	Shanghai Jiaotong University, Shanghai, China	Rational drug design and discovery	China	Innovative Research
Day 1	Thursday, March 22	Metabolic Disorders Moderators: Qun-Ying Lei and Liangyou Rui	Chicago Hall	Country	
13:00-13:30	Fang Zhang	Novo Nordisk R&D Center, Beijing, China	Discovery of novel therapeutics for diabetes	China	Metabolic Disorders
13:30-14:00	Changhong Li	Children's Hospital of Philadelphia, University of Pennsylvania, Philadelphia, U.S.A.	Drug discovery for orphan diseases - a story of hyperinsulinism	U.S.A.	Metabolic Disorders
14:00-14:30	Qun-Ying Lei	Institutes of Biomedical Sciences, Fudan University, Shanghai, China	Acetylation control of lipid synthesis	China	Metabolic Disorders
14:30-15:00	Jiming Ye	Royal Melbourne Institute of Technology, Melbourne, Australia	Pathway-based repurposing of old drugs for type 2 diabetes	Australia	Metabolic Disorders
15:00-15:30	Coffee Break				
15:30-16:00	Fang Hu	The Second Xiangya Hospital of Central South University, Changsha, China	Adipose tissues as a target for metabolic diseases	China	Metabolic Disorders
16:00-16:30	Liangyou Rui	University of Michigan Medical School, Ann Arbor, U.S.A.	Regulation of body weight and metabolism by a brain-fat axis	U.S.A.	Metabolic Disorders
16:30-17:00	Yu Li	Institute for Nutritional Sciences, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, Shanghai, China	Molecular controls of lipid metabolism and fatty liver disease	China	Metabolic Disorders
17:00-17:30	Jiangping Wu	University of Montreal, Montreal, Canada	Discovery of ARMC5 as a novel ubiquitin E3 ligase and its multiple disease implications	Canada	Metabolic Disorders
Day 1	Thursday, March 22	Protein Science Moderators: Ross Bathgate and Sun Choi	Mumbai Hall	Country	
13:00-13:30	Denise Wootten	Monash University, Melbourne, Australia	Towards a structural understanding of biased signaling at the GLP-1R	Australia	Protein Science
13:30-14:00	Beili Wu	Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China	Structural studies of the full-length glucagon receptor	China	Protein Science
14:00-14:30	Zhijie Liu	iHuman Institute, ShanghaiTech University, Shanghai, China	5-HT _{2C} receptor structures reveal the structural basis of GPCR polypharmacology	China	Protein Science
14:30-15:00	Ross Bathgate	The University of Melbourne, Melbourne, Australia	Understanding G protein-coupled receptor function using thermostabilized receptors and NMR	Australia	Protein Science
15:00-15:30	Coffee Break				
15:30-16:00	Mingyao Liu	East China Normal University, Shanghai, China	G protein-coupled receptors and gene editing: from basic to translational research	China	Protein Science
16:00-16:30	Sun Choi	Ewha Womans University, Seoul, Korea	Exploration of protein dynamics and intra-molecular signaling pathways for GPCR activation mechanism, and its application to rational drug discovery	Korea	Protein Science
16:30-17:00	Jinpeng Sun	Shandong University, Jinan, China	Arrestin-dependent coupling of GPCR to ion channels	China	Protein Science
17:00-17:30	Haitao Zhang	Zhejiang University, Hangzhou, China	Structure-based selective, biased and allosteric drug discovery of GPCRs	China	Protein Science
Day 1	Thursday, March 22	Social Impact Moderators: Borge Diderichsen and Na He	London Hall	Country	
13:00-13:25	Samir M. Hanash	The University of Texas MD Anderson Cancer Center, Houston, U.S.A.	Drug discovery beyond genomics	U.S.A.	Social Impact
13:25-13:50	Borge Diderichsen	Independent Consultant (formerly at Novo Nordisk A/S), Copenhagen, Denmark	From Copenhagen medicon valley to global life science aspirations	Denmark	Social Impact
13:50-14:15	Yankun Hou	UBS Investment Research, Hong Kong SAR, China	From smokestack to labtech: where is the Chinese innovation boom taking place?	Hong Kong SAR, China	Social Impact
14:15-14:40	Feng Xu	GlaxoSmithKline R&D Centre Shanghai, Shanghai, China	Intellectual property: accelerator and enhancer in drug discovery	China	Social Impact
14:40-15:05	Jianwei Xuan	Health Economic Research Institute, Sun Yat-Sen University, Guangzhou, China	Demonstrate the value of innovative medicines to speed up market access	China	Social Impact
15:00-15:30	Coffee Break				
15:30-15:55	Na He	School of Public Health, Fudan University, Shanghai, China	Biomedical intervention to prevent HIV transmission: challenges and opportunities	China	Social Impact
15:55-16:20	Zhiping Li	Children's Hospital, Fudan University, Shanghai, China	Opportunities and challenges of Chinese pediatric pharmaceutical care	China	Social Impact
16:20-16:45	Jing Zhang	Huashan Hospital, Fudan University, Shanghai, China	Application of population pharmacokinetics/pharmacodynamics model in clinical research of antimicrobial agents	China	Social Impact
16:45-17:10	Jyh-Wei Shin	National Cheng Kung University, Tainan, Chinese Taipei	Effects of stain drug on pathogenesis of <i>blastocystis hominis</i> in vitro	Chinese Taipei	Social Impact
Day 1	Thursday, March 22	Annual Editorial Board Meeting of <i>Acta Pharmacologica Sinica</i>	Singapore Hall	Coordinator	Minshu Wu
17:45-19:15	Concert performed by a group of well-established young musicians (Venue: Shanghai Hall)				
19:30-21:00	Welcome Reception (Venue: Event and Exhibition Center at the 6th Floor)				

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Friday, March 23

Day 2	Friday, March 23	Plenary Session Moderator: Ming-Wei Wang	Shanghai Hall	Country	
9:00-9:50	Patrick M. Sexton	Monash University, Melbourne, Australia	Advances in structural understanding of class B GPCR activation	Australia	Plenary
9:50-10:40	Hinrich Gronemeyer	Institute of Genetics and Molecular and Cellular Biology, Strasbourg, France	Systems biology of retinoid-regulated cell fate acquisition in stem cells	France	Plenary
10:40-11:10 Coffee Break					
11:10-12:00	Wensheng Wei	Peking University, Beijing, China	Dissection of functional big data in biological contexts	China	Plenary
12:00-13:00 Lunch and Technology Show Cases (Shanghai Hall) Moderator: Di Zhu					
12:20-12:30	Merk Chemicals (Shanghai) Co., Ltd.		Accelerate the discovery by advanced molecular biology tools	Sponsor	
12:30-12:40	Tecan (Shanghai) Trading Co., Ltd.		Miniaturize your assay with Tecan digital dispenser	Sponsor	
12:40-12:50	Levena (Suzhou) Biopharm Co., Ltd.		Next generation ADC technology and production	Sponsor	
Day 2	Friday, March 23	Cancer Biology Moderators: David Croucher and Min Huang	Shanghai Hall	Country	
13:00-13:30	Peter K. Vogt	The Scripps Research Institute, La Jolla, U.S.A.	Phosphoinositol 3-kinase inhibitors: few drugs, many questions	U.S.A.	Cancer
13:30-14:00	Bo Yang	Zhejiang University, Hangzhou, China	Targeting Hippo-YAP pathway to interfere with hypoxia-mediated HCC malignancy	China	Cancer
14:00-14:30	David Croucher	Garvan Institute of Medical Research, Darlinghurst, Australia	Targeting chemoresistance through predictive models of drug induced signaling	Australia	Cancer
14:30-15:00	Hua Yu	City of Hope Comprehensive Cancer Center, Duarte, U.S.A.	STAT3-FAO pathway in cancer lipid metabolic dysregulation and drug resistance	U.S.A.	Cancer
15:00-15:30 Coffee Break					
15:30-16:00	Zhu-Jun Yao	Nanjing University, Nanjing, China	Exploring anticancer properties of annonaceous acetogenin mixtures	China	Cancer
16:00-16:30	Seong-Woon Yu	Daegu Gyeonbuk Institute of Science and Technology, Daegu, Korea	Differential regulation of autophagy in activated microglia and macrophage: a lesson for cell type-specific autophagy targeting	Korea	Cancer
16:30-17:00	Min Huang	Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China	Metabolic vulnerabilities and cancer therapy	China	Cancer
17:00-17:30	Xuejun Li	Peking University, Beijing, China	Effects and mechanisms of several compounds on inflammation related cancers	China	Cancer
Day 2	Friday, March 23	Innovative Research Moderators: Lei Xi and Tao Ye	Frankfurt Hall	Country	
13:00-13:30	Yizhun Zhu	Macau University of Science and Technology, Macau SAR, China	Hydrogen sulfide and its novel effects on cardiac inflammation and immune responses	Macau SAR, China	Innovative Research
13:30-14:00	Lei Xi	Virginia Commonwealth University, Richmond, U.S.A.	Emerging biomarkers for early detection of acute cardiac ischemia	U.S.A.	Innovative Research
14:00-14:30	Hong-Shuo Sun	University of Toronto, Toronto, Canada	TRP ion channels as potential therapeutic targets for cerebral ischemia and hypoxic-ischemic injury	Canada	Innovative Research
14:30-15:00	Zhong-Ping Feng	University of Toronto, Toronto, Canada	Discovery of new novel peptide drugs for neuroregeneration	Canada	Innovative Research
15:00-15:30 Coffee Break					
15:30-16:00	Xianting Ding	Shanghai Jiaotong University, Shanghai, China	Multiplex target identification and drug combination optimization	China	Innovative Research
16:00-16:30	Tao Ye	Peking University Shenzhen Graduate School, Shenzhen, China	Drug discovery from macrocyclic natural products	China	Innovative Research
16:30-17:00	Wanchai De-Eknankul	Chulalongkorn University, Bangkok, Thailand	A search for natural products with anti-hair loss (androgenic alopecia) activity	Thailand	Innovative Research
17:00-17:30	Yonghong Liu	South China Sea Institute of Oceanology, Chinese Academy of Sciences, Guangzhou, China	Marine microorganisms metabolites and their bioactivities	China	Innovative Research
Day 2	Friday, March 23	Metabolic Disorders Moderators: Jingya Li and Jianping Ye	Chicago Hall	Country	
13:00-13:30	Charles A. Stanley	University of Pennsylvania, Philadelphia, U.S.A.	Molecular basis of neonatal hypoglycemia	U.S.A.	Metabolic Disorders
13:30-14:00	Qi-Qun Tang	School of Basic Medical Sciences, Fudan University, Shanghai, China	Activation of beige adipocyte and the prevention of obesity	China	Metabolic Disorders
14:00-14:30	Jiandie Lin	University of Michigan, Ann Arbor, U.S.A.	NASH: pathogenic mechanisms and new therapeutic opportunities	U.S.A.	Metabolic Disorders
14:30-15:00	Jingya Li	Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China	Novel strategy for hyperglycemia control by targeting mitochondria ETC coupling and pyruvate dehydrogenase complex	China	Metabolic Disorders
15:00-15:30 Coffee Break					
15:30-16:00	Feng Liu	Central South University, Changsha, China	eGAS: a novel target for obesity-induced metabolic dysfunction	China	Metabolic Disorders
16:00-16:30	Xiaoyong Yang	Yale University School of Medicine, New Haven, U.S.A.	O-GlcNAc signaling at the intersection of diabetes and cancer	U.S.A.	Metabolic Disorders
16:30-17:00	Minjia Tan	Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China	Characterization of molecular mechanism of Metabolic Disorders using mass spectrometry-based proteomics technologies	China	Metabolic Disorders
17:00-17:30	Jianping Ye	Diabetes Institute, Shanghai Jiaotong University, Shanghai, China	Mitochondrial ATP production by substrate push-in mechanism of insulin resistance	China	Metabolic Disorders
Day 2	Friday, March 23	Protein Science Moderators: Richard D. Ye and Joel L. Sussman	Mumbai Hall	Country	
13:00-13:30	H. Eric Xu	Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China	Rhodopsin as a model system for assembly of GPCR signaling complexes	China	Protein Science
13:30-14:00	Ming Lei	Shanghai Jiaotong University School of Medicine, Shanghai, China	Capping the end: structure and function of telomere and telomerase	China	Protein Science
14:00-14:30	Richard D. Ye	University of Macau, Macau SAR, China	Modulation of different activation states of class A GPCRs	China	Protein Science
14:30-15:00	Suwen Zhao	iHuman Institute, ShanghaiTech University, Shanghai, China	Computer-aided discovery of GPCR targets for traditional Chinese medicine Danshen	China	Protein Science
15:00-15:30 Coffee Break					
15:30-16:00	Ping Zhu	Institute of Biophysics, Chinese Academy of Sciences, Beijing, China	Cryo-EM study of nucleosome and chromatin fiber	China	Protein Science
16:00-16:30	Joel L. Sussman	The Israel Structural Proteomics Center, Weizmann Institute of Science, Rehovot, Israel	Recent breakthroughs in the structure/function studies of acetylcholinesterase	Israel	Protein Science
16:30-17:00	Huaiyu Yang	East China Normal University, Shanghai, China	Discovery of active compounds for K2P channels	China	Protein Science
17:00-17:30	Liangren Zhang	Peking University, Beijing, China	Identification of the binding protein of calcium signaling messenger cyclic ADP-ribose	China	Protein Science
Day 2	Friday, March 23	New Technologies Moderators: Dan Ohtan Wang and Yi Yang	London Hall	Country	
13:00-13:30	Kazuya Kikuchi	Osaka University, Osaka, Japan	New biological findings which were revealed by imaging studies based on chemical probes	Japan	New Technologies
13:30-14:00	Seung Bum Park	Seoul National University, Seoul, Korea	Discovery of a small-molecule inhibitor of protein-microRNA interaction using binding assay with a site-specifically labeled Lin28	Korea	New Technologies
14:00-14:30	Bengang Xing	Nanyang Technical University, Singapore	Cutting edge biological fluorescence imaging strategies for precise regulation of cellular activities and localized therapeutics	Singapore	New Technologies
14:30-15:00	Dan Ohtan Wang	Kyoto University, Kyoto, Japan	Synaptic epitranscriptomics and dynamic RNA imaging	Japan	New Technologies
15:00-15:30 Coffee Break					
15:30-16:00	Fang Wu	Shanghai Jiaotong University, Shanghai, China	High-throughput tandem-microwell assay identifies small-molecule modulators for the hydrogen sulfide signaling pathway	China	New Technologies
16:00-16:30	Yi Yang	East China University of Science and Technology, Shanghai, China	Visualizing cell metabolism and screening for regulating agents	China	New Technologies
16:30-17:00	Na Li	Macau University of Science and Technology, Macau SAR, China	Investigation on drug induced idiosyncratic toxicity using LC-MS approach	Macau SAR, China	New Technologies
17:00-17:30	Runhui Liu	East China University of Science and Technology, Shanghai, China	Synthetic mimics of host defense peptide to fight against antimicrobial resistance	China	New Technologies
Day 2	Friday, March 23	Young Investigators' Forum Moderators: Yi Zang and Qing Liu	Singapore Hall	Country	
13:00-13:20	Zhifu Xie	Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China	The discovery and mechanism study of gypenosides for treatment of metabolic syndrome	China	Young Investigators' Forum
13:20-13:40	Grace Gong	The University of Auckland, Auckland, New Zealand	Who would have thought that ATP competitive inhibitors could affect protein-membrane interactions?	New Zealand	Young Investigators' Forum
13:40-14:00	Daeyoung Han	Seoul National University, Seoul, Korea	Targeting cell surface exposed lysyl-tRNA synthetase suppresses cancer metastasis	Korea	Young Investigators' Forum
14:00-14:20	Yue-Jing Jiang	Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China	AMPK-mediated 53BP1 phosphorylation maintains genomic stability in DNA double-strand breaks repair	China	Young Investigators' Forum
14:20-14:40	You-Bo Zhang	Peking University, Beijing, China	CYP2E1, a new target for metabolic syndrome	China	Young Investigators' Forum
14:40-15:00	Seung Jae Jeong	Seoul National University, Seoul, Korea	Inhibition of MUC1 biosynthesis via threonyl-tRNA synthetase suppresses cancer cell migration	Korea	Young Investigators' Forum
15:00-15:30 Coffee Break					
15:30-15:50	Xue-Feng Zhou	South China Sea Institute of Oceanology, Chinese Academy of Sciences, Guangzhou, China	Bioactive natural products for kidney diseases from marine microorganisms	China	Young Investigators' Forum
15:50-16:10	Xu Wang	Institute of Materia Medica, Chinese Academy of Medical Sciences, Beijing, China	Development of optochin analogues as new antibiotics against <i>Streptococcus pneumoniae</i>	China	Young Investigators' Forum
16:10-16:30	Yi-Lynn Liang	Monash University, Melbourne, Australia	Approaches to GPCR complex formation for structure determination by single particle cryo-EM	Australia	Young Investigators' Forum
16:30-16:50	Zongwei Yue	Peking University, Beijing, China	ent-Jungemennone C triggers reactive oxygen species-dependent cell differentiation in leukemia cells	China	Young Investigators' Forum
16:50-17:00	Summary by evaluators (Borge Diderichsen, Peter Gunning, Na Li, Charles A. Stanley and Jinpeng Sun)				
Day 2	Friday, March 23	ADC Advances Moderators: Demin Zhou and Hui Li	New York Hall	Country	
13:00-13:25	Demin Zhou	Peking University, Beijing, China	Unnatural amino acid-mediated conjugation of drug with antibody for improvement of ADC quality	China	ADC Advances
13:25-13:50	Gang Qin	GeneQuantum Healthcare (Suzhou) Co., Ltd., Suzhou, China	R&D of next generation ADCs via innovative iLDC platform	China	ADC Advances
13:50-14:15	Sheldon Cao	Zhejiang Zova Biotherapeutics Co., Ltd., Hangzhou, China	Application of a novel conjugation method in the development of ZV0203	China	ADC Advances
14:15-14:40	Wei Huang	Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China	Glycosite-specific antibody-drug conjugates with high homogeneity	China	ADC Advances
14:40-15:05	Hu Li	Shanghai Mimocgen Inc., Shanghai, China	Bioanalytical of antibody and nonclinical safety considerations of antibody drug conjugate	China	ADC Advances
15:00-15:30 Coffee Break					
15:30-15:55	Cheng Liu	Affinity Inc., Shanghai, China	Small molecule drug conjugate: twin of ADC role in IO combination therapy	China	ADC Advances
15:55-16:20	Nianhe Han	NewBio Therapeutics Co., Ltd., Shanghai, China	Site-specific conjugation and next-generation of ADCs	China	ADC Advances
16:20-16:45	Yongxin Zhao	Hangzhou DAC Biotech, Co., Ltd., Hangzhou, China	An ADC platform and its ADC drugs for targeted treatment of cancer	China	ADC Advances
16:45-17:10	Xun Meng	Ab-Mart Co., Ltd., Shanghai, China	Cancer and immune target atlas	China	ADC Advances