

2018 Roche–RSC International Symposium on Scientific Frontiers to Enable Drug Discovery



1–2 June 2018
Shanghai, China

Programme Agenda

Conference Center, ShanghaiTech University
393 Middle Huaxia Road, Zhangjiang, Pudong, Shanghai, 201210, China

Friday, 1 June, 2018

Time	Session	Chair
09:00	Introduction and welcome	Hong Shen
09:10	Medicinal Chemistry of Purinergic Signaling in Inflammation, Immunity and Cancer Christa Müller, University of Bonn, <i>Germany</i>	
09:50	A Kiss of Death for Targeted Protein Degradation Alessio Ciulli, <i>University of Dundee, United Kingdom</i>	
10:30	Photo & Coffee break	
11:00	Discovery of First-in-Class, Potent, and Orally Bioavailable Embryonic Ectoderm - Development (EED) Inhibitor with Robust Anticancer Efficacy - Insight of Structural Based Drug Discovery, A wave of Twists and Turns Zhengtian Yu, <i>Novartis (China) Biomedical Research Co., Ltd., China</i>	Hongying Yun
11:30	Discovery and Development of a Novel Capsid Assembly Inhibitor for the Treatment of Chronic HBV Infection Wei Zhu, <i>Roche Innovation Center Shanghai, China</i>	
12:00	Lunch	
13:00	Royal Society of Chemistry - Supporting the Chemical Science Community in Tackling Health Global Challenges Richard Kelly, <i>Royal Society of Chemistry, United Kingdom</i>	Hayley Binch
13:20	Application of Genome Editing Techniques in the Study of Human Diseases and Infections Xuebin Liao, <i>Tsinghua University, China</i>	
14:00	Mechanistic Insights into Cytosolic LPS Sensing and Pyroptosis Execution Jingjin Ding, <i>National Institute of Biological Science, Beijing, China</i>	Haixia Liu
14:10	A First-in-Class Sirtuin6 Allosteric Activator for Colorectal Cancer Treatment Jialin Shang, <i>Shanghai Jiaotong University, China</i>	
14:20	Strategies Targeting on Smoothened Receptor to Reverse Cancer Resistance Fang Zhou, <i>ShanghaiTech University, China</i>	
14:30	An Asymmetrical Semicyanine Dye Nanoparticles(TR-NPs) for Small Vessel Photoacoustic Imaging Jialiang Xiong, <i>Tsinghua University, China</i>	
14:40	Tea & Coffee break & Poster session	
15:30	Practical Heteroatom-Transfer Reagents and Reactions Lazlo Kurti, <i>Rice University, United States</i>	Wei Zhu
16:10	Fluoroalkyl-Substituted Sulfonium Ylides: A New Type of Fluoroalkylating Reagents Qilong Shen, <i>Shanghai Institute of Organic Chemistry, CAS, China</i>	
16:50	Site-Selective C–C and C–H Functionalization of Common Functional Groups Guangbin Dong, <i>University of Chicago, United States</i>	
17:30	Close	

2018 Roche–RSC International Symposium on Scientific Frontiers to Enable Drug Discovery



1–2 June 2018
Shanghai, China

Saturday, 2 June, 2018

Time	Session	Chair
09:00	Delivery of RNA Therapeutics: Overcoming a Billion Years of Evolutionary Defenses Steven Dowdy, <i>UC San Diego School of Medicine, United States</i>	Thomas Ryckmans
09:40	FITGE-Based Target Identification: New Tool in Chemical Biology Seung Bum Park, <i>Seoul National University, South Korea</i>	
10:20	Tea & Coffee break & Poster Session	
11:00	Molecular Visualizaiton: History and Current Applications Yan Liang, <i>University of Science and Technology of China, China</i>	Ge Zou
11:20	Incorporating Quantum Mechanics Calculation in Retrospective and Prospective Analyses of Organic Syntheses John S. Wai, <i>WuXi AppTec (Shanghai) Co., Ltd. / Fudan University</i>	
12:00	Lunch	
13:00	Structural Biology Study of Human Cannabinoid Receptor CB1 Tian Hua, <i>ShanghaiTech University, China</i>	Xiao Ding
13:30	Beyond Orthogonality: Sulfur(VI) Fluoride Exchange (SuFEx), another Good Reaction for Click Chemistry Jiajia Dong, <i>Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, China</i>	
14:00	Switchable Synthesis of Highly Functionalized Pyridines and Pyrroles via Cu-catalyzed Cascade Addition Reactions and Mechanistic Study Zheng Ling, <i>Shanghai Jiaotong University, China</i>	Xiaoqing Wang
14:10	Cu-catalyzed Sonogashira Cross-coupling Reaction Ying Chen, <i>Shanghai Institute of Organic Chemistry, CAS, China</i>	
14:20	Divergent Asymmetric Total Syntheses of Hydroindole Alkaloids Nengzhong Wang, <i>East China Normal University, China</i>	
14:30	New Fluorescent Probe used to Detect and Image Carboxylesterase in Hepatoma Cells and its Inspiration to Medical and Drug Research Zihe Yan, <i>Tsinghua University, China</i>	
14:40	Tea & Coffee break	
15:10	Development of Concise and Efficient Synthetic Methodologies to Total Synthesis of Biologically Important Natural Products Zhen Yang, <i>Peking University, Shenzhen Graduate School, China</i>	Zhijie Liu
15:50	A New Approach Towards Diabetes Drug Discovery Ray Stevens, <i>ShanghaiTech University, China</i>	
16:30	Closing Remarks & Poster award	Zhijie Liu, Hong Shen and Hongmei Peng