Programme

Meng Minwei Building, Zijingang Campus, Zhejiang University
Saturday, 12 November 2016

Time	Event	Session chair
08:30	**Opening**	
Session 1		
09:00	**Digital microfluidics for chemistry, biology, and medicine** Aaron Wheeler, *University of Toronto, Canada*	Peng-Yuan Yang, *Fudan University, China*
09:30	**Rigid nanoparticles prepared by droplet-based microfluidics for enhanced cellular uptake** Xing-Yu Jiang, *National Center for Nanoscience and Technology of China, China*	
10:00	**Break**	
10:30	**Collective behavior of crowded drops in microfluidic systems** Sindy KY Tang, *Stanford University, USA*	Dong-Pyo Kim, *Pohang University of Science and Technology, South Korea*
11:00	**Drop microfluidics: A versatile and promising approach for fabricating functional granular materials** Liang-Yin Chu, *Sichuan University, China*	
11:30	**All-aqueous droplet microfluidics for bio-encapsulation** Anderson Ho Cheung Shum, *Hongkong University, China*	
12:00	**Lunch & poster**	
Session 2		
14:30	**Continuous-flow passive/active manipulation of droplet trains and its application for in-droplet magnetic particle separation** Kwang W. Oh, *State University of New York at Buffalo, USA*	Jin-Ming Lin, *Tsinghua University, China*
15:00	**Unique properties of nanofluidics for bioanalysis** Xing-Hua Xia, *Nanjing University, China*	
15:30	**Micro-droplets array for life-analytical science** Jing-Juan Xu, *Nanjing University, China*	
16:00	**Break**	
16:30	**Droplet-based microchemical syntheses for organics and nanomaterials** Dong-Pyo Kim, *Pohang University of Science and Technology, South Korea*	Petra Dittrich, *ETH Zürich, Switzerland*
17:00	**Picoliter droplets as microreactors for synthesis of fluorescent quantum dots** Zhi-Ling Zhang, *Wuhan University, China*	
17:30	**Droplet-based microfluidics for functional microparticles preparation** Jian-Hong Xu, *Tsinghua University, China*	
18:00	**Close of day one**	
	Banquet	

Sunday, 13 November 2016

Time	Event	Session chair
Session 3		
09:00	**Droplet microfluidics for single cell studies** David A. Weitz, *Harvard University, USA*	Aaron Wheeler, *University of Toronto, Canada*
09:30	**Droplet microfluidics for highly efficient evolution of recognition ligands at the single-molecule level** Chao-Yong Yang, *Xiamen University, China*	
10:00	**Break**	
10:30	**Interfaces to couple droplet microfluidics with mass spectrometry** Petra Dittrich, *ETH Zürich, Switzerland*	Xing-Hua Xia, *Nanjing University, China*
11:00	**Droplet generation and its application to multichannel chip-mass spectrometry for cell analysis** Jin-Ming Lin, *Tsinghua University, China*	
11:30	**Microfluidic droplets for simultaneous on-line proteolysis and enrichment of low abundance proteins** Bao-Hong Liu, *Fudan University, China*	
12:00	**Lunch & poster**	
Session 4		
14:30	**Drug delivery vesicles via droplet microfluidics - using light and magnetism** Nicole Pamme, *University of Hull, UK*	Daniel T. Chiu, *University of Washington, USA*
15:00	**Droplet microfluidics for bioinspired biological applications** Jian-Hua Qin, *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China*	
15:30	**Droplets by surface wettability guided assembly for chemical and biological applications** Bi-Feng Liu, *Huazhong University of Science and Technology, China*	
16:00	**Break**	
16:30	**SD chip for digital biological measurements** Daniel T. Chiu, *University of Washington, USA*	Jian-Hua Qin, *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China*
17:00	**Emulsion single cell whole genome amplification and sequencing** Yan-Yi Huang, *Peking University, China*	
17:30	**Generation of droplet arrays for single cell analysis** Wen-Bin Du, *Institute of Microbiology, Chinese Academy of Sciences, China*	
18:00	**Prizes & closing**	