

Concurrent session 3: Biophysics and Soft Matter

Friday, July 27, 2018

14:00 – 18:10	Concurrent session 3: Biophysics and Soft Matter
Venue:	Anthony Lau Building (E4), E4-3054
Chairpersons:	1. Dan Li 2. Xuanjun Zhang 3. De-Fang Ouyang
14:00 – 14:25	Keynote presentation
	Chemopallet - A Strategy for Tuning Photoluminescence of Supramolecular Coordination Entities Dan Li, Jinan University. MC: Xuanjun Zhang
14:25 – 15:40	Invited presentations
14:25 – 14:40	Multifunctional fluorescent optical sensors for bioanalysis Yanqing Tian, Southern University of Science and Technology, China. MC: Xuanjun Zhang
14:40 – 14:55	Semiconducting Polymers for Biomedical Applications Changfeng Wu, Southern University of Science and Technology, China. MC: Xuanjun Zhang
14:55 – 15:10	Mechanism of contact between a droplet and a smooth substrate Lei Xu, The Chinese University of Hong Kong. MC: Xuanjun Zhang
15:10 – 15:25	Systems approach to complex human microbial networks Pan-Jun Kim, Hong Kong Baptist University. MC: Xuanjun Zhang
15:25 – 15:40	Human brain connectomics and microbiomics in schizophrenia Kai Wu, South China University of Technology. MC: Xuanjun Zhang
15:40 – 16:00	Contributed presentations
15:40 – 15:50	Modified interfacial force field for accurate representation of peptide adsorption free energy on self-assembled monolayer Pratiti Bhadra, University of Macau. MC: Xuanjun Zhang
15:50 – 16:00	Analysis of potential landscape of colloidal diffusion using the Markov state model Chengjie Luo, Hong Kong University of Science and Technology. MC: Xuanjun Zhang
16:00 – 16:20	Tea/coffee break, poster, discussion
16:20 – 16:45	Keynote presentation
	The control of megakaryocyte and platelet formation Mo Yang, South Medical University. MC: Dan Li
16:45 – 17:30	Invited presentations
16:45 – 17:00	Dynamic basis of substrate permissiveness of a plant acyltransferase Yi Wang, The Chinese University of Hong Kong. MC: Dan Li
17:00 – 17:15	Photoacoustic imaging guided cancer theranostics Yuan Zheng, University of Macau. MC: Dan Li
17:15 – 17:30	A microcannon device for overcoming biological membrane barriers by powering nanoparticles Gang Chen, Guangdong Pharmaceutical University. MC: Dan Li

17:30 – 18:10	Contributed presentations
17:30 – 17:40	Phase separation of swimmers drives long-range fluid Haoran Xu, The Chinese University of Hong Kong. MC: De-Fang Ouyang
17:40 – 17:50	Modeling Predictive Information and Direction Selectivity in the Retina Min Yan, Hong Kong University of Science and Technology. MC: De-Fang Ouyang
17:50 – 18:00	The Link between Membrane Composition and Permeability to Drugs Chi Hang Tse, The Chinese University of Hong Kong. MC: De-Fang Ouyang
18:00 – 18:10	Transfer learning for the prediction of pharmacokinetic properties Ye Zhuyifan, University of Macau. MC: De-Fang Ouyang
After 18:15	Banquet Dinner (Hotel: Galaxy Macau, Bus pick-up point & time: E4 G/F Lobby @ 18:15 pm)

Saturday, July 28, 2018

09:00 – 12:00	Concurrent session 3: Biophysics and Soft Matter
Venue:	Anthony Lau Building (E4), E4-3054
Chairpersons:	1. De-Fang Ouyang 2. Ophelia K. C. Tsui 3. Zhengtao Xu
09:00 – 09:25	Keynote presentation
	Sulfur Chemistry and Linker Cyclization for Stable and Electroactive Metal-Organic Frameworks Zhengtao Xu, City University of Hong Kong. MC: De-Fang Ouyang
09:25 – 10:25	Invited presentations
09:25 – 09:40	Growth factor-binding biomaterials scaffolds for tissue repair Chunming Wang, University of Macau. MC: Ophelia K. C. Tsui
09:40 – 09:55	Functionality-Oriented DNA Material: Taking Advantage of Amplification Techniques Leilei Tian, Southern University of Science and Technology, China. MC: Ophelia K. C. Tsui
09:55 – 10:10	Single- and Two-Photon Non-Diffracting Light-Sheet Microscopy for Bioimaging Shengwang Du, Hong Kong University of Science and Technology. MC: Ophelia K. C. Tsui
10:10 – 10:25	Titania-Coated Gold Nanostructures for Blocking Autophagy Flux and Sensitizing Cancer Cells to Proteasome Inhibitor-Induced Death Xiaoming Zhu, Macau University of Science and Technology. MC: Ophelia K. C. Tsui
10:25 – 10:35	Contributed presentations
	Investigation molecular mechanism of cyclodextrin formulations Zhao Qianqian, University of Macau. MC: Ophelia K. C. Tsui
10:35 – 10:55	Tea/coffee break, poster, discussion
10:55 – 11:20	Keynote presentation
	Transport Properties of Thin Polymer Liquid and Solid Films Ophelia K. C. Tsui, Hong Kong University of Science and Technology. MC: Zhengtao Xu
11:20 – 11:50	Invited presentations
11:20 – 11:35	High-throughput screening for identification of protein capture agents and proteomic profiling for disease biomarker discovery Liqian Gao, School of Pharmaceutical Science (Shenzhen), Sun Yat-Sen University. MC: Zhengtao Xu
11:35 – 11:50	Computational pharmaceuticals Defang Ouyang, University of Macau. MC: Zhengtao Xu
11:50 – 12:00	Contributed presentations
	Pinning and depinning dynamics of a moving contact line over a disordered surface Caishan Yan, Hong Kong University of Science and Technology. MC: Zhengtao Xu
12:00 – 14:00	Buffet Lunch (venue: UM Chao Kuang Piu College, W21-G019)