

## Concurrent session 3: Biophysics and Soft Matter

Friday, July 27, 2018

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

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

## Saturday, July 28, 2018

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