

Concurrent session 3: Biophysics and Soft Matter

Friday, July 27, 2018

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| 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 |

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| 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

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| 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 pharmaceutics 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) |