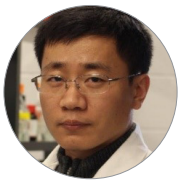
SESSION LECTURE

No. 52
Nanomedicine
Room: 310

Co-Chairs: Lizeng Gao



Chair: David Cormode

Day 3 October 29th (Monday) 8:30 – 12:00		
Time	**Speaker**	**Title**
8:30-9:00	**David Cormode** *University of Pennsylvania, USA*	Inorganic nanoparticle contrast agents for multi-energy x-ray imaging
9:00-9:30	**Can Xie** *Peking University, China*	A Moving Landscape Between Biology and Physics: How do animals sense the magnetic field and how do octopuses change color?
9:30-10:00	**Yunlong Zhou** *Wenzhou Institute of Biomaterials & Engineering, China*	Dynamic self-assembly and antimicrobial activity of glycopeptide
10:00-10:30	**Tea Break**	
10:30-11:00	**Zhuang Liu** *Soochow University, China*	Biomaterials to Enable Cancer Immunotherapy after Local Treatment
11:00-11:30	**Dan Ding** *Nankai University, China*	Design, Preparation and Biomedical Applications of Rotor-Rich Molecular Imaging Probes
11:30-12:00	**Daishun Ling** *Zhejiang University, China*	Multifunctional Nanoparticle Assemblies for Biomedical Applications

David Cormode

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Dr Cormode did his undergraduate and graduate studies in the Chemistry Department of the University of Oxford. He was a postdoctoral fellow at Mount Sinai School of Medicine, working with Prof. Zahi Fayad and Willem Mulder. Dr Cormode moved to the Radiology Department of the University of Pennsylvania, where he is now an associate professor. The focus of his lab is the development of inorganic nanoparticle contrast agents for multi-energy x-ray imaging techniques. Dr. Cormode is also a founder of PolyAurum and Daimroc Imaging, companies that are commercializing nanoparticles for medical applications.

Daishun Ling

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Prof. Ling received his Ph.D. (2013) from School of Chemical and Biological Engineering at Seoul National University. Later, he worked as a senior researcher at the Center for Nanoparticle Research, Institute for Basic Science. He joined the faculty of the College of Pharmaceutical Sciences at Zhejiang University in 2014 through “Zhejiang University 100 Talent Professor” and “National 1000 Young Talent Program.” He currently focuses on the synthesis and dynamic assembly of functional nanoparticles for biomedical applications.

Can Xie

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Dr. Xie is a professor in School of Life Sciences, Peking University. The aims of his research are to understand the molecular mechanism of how animals sense the magnetic field and how animals migrate. Dr. Xie and his lab have identified the animal magnetoreceptor (MagR, Qin et al. 2016, Nature Materials), a protein with innate magnetic feature. It has profound influence on both biological and physical fields.

Yunlong Zhou

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Yunlong Zhou is a professor of Wenzhou Institute of Biomaterials and Engineering and Wenzhou Medical University. His research area is biointerface structural effects on the properties of nanoassemblies, ranges from colloidal chemistry to tissue engineering.

Dan Ding

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Dr. Dan Ding is currently a professor in the College of Life Sciences and State Key Laboratory of Medicinal Chemical Biology, Nankai University. His current research interest focuses on the design and preparation of nanomedicines and new molecular imaging probes as well as exploration of their biomedical applications.

Zhuang Liu

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Dr. Zhuang Liu is a Changjiang Distinguished Professor at Soochow University in China. The primary goal of his research team is to develop innovative biomaterials and nanotechnology for biomedical imaging and cancer therapy. He is a fellow of the Royal Society of Chemistry (FRSC), and is serving as an associate editor for Biomaterials.