SESSION LECTURE

No. 12
Nanobiotech
Room: 301AB

Co-Chairs: Xiyun Yan

Taeghwan Hyeon

Day 1 October 27th (Saturday) 13:30 – 17:00		
Time	**Speaker**	**Title**
13:30-14:00	**Arkady Karyakin** *Moscow State University, Russia*	Catalytically Synthesized Prussian Blue Nanoparticles Defeating Natural Enzyme Peroxidase
14:00-14:30	**Guangjun Nie** *National Center for Nanoscience and Nanotechnology, China*	Tumor microenvironment targeting nanorobots: a promise for a cure of cancer
14:30-15:00	**Lizeng Gao** *Yangzhou University China*	Nanozyme therapy for cancer and infectious diseases
15:00-15:30	**Tea Break**	
15:30-16:00	**Taeghwan Hyeon** *Seoul National University, Korea*	Designed Chemical Synthesis and Assembly of Inorganic Nanomaterials for Medical Applications
16:00-16:30	**Zhen Gu** *University of California, Los Angeles (UCLA), USA*	Leverage Physiology for Bioresponsive Drug Delivery
16:30-17:00	**Gang Liu** *Xiamen University, China*	Cellular membrane-derived nanovesicles as a Versatile Drug Delivery System for Imaging-Guided Cancer Therapy

Taeghwan Hyeon

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Dr. Taeghwan Hyeon is a professor at the School of Chemical and Biological Engineering of Seoul National University. He has been focused on the synthesis and applications of uniform-sized nanoparticles and related nanostructured materials. Since 2010, he has served as an Associate Editor of J. Am. Chem. Soc. He has been serving as editorial (advisory) board members of ACS Central Science, Advanced Materials, Nanoscale, Nano Today, and Small.

Guangjun Nie

niegj@nanoctr.cn

Professor Nie research programs focus on design of bio-inspired materials to overcome the current barriers in disease treatment of cancers and neurodegenerative disorders. In particular, his group is working toward controlling the chemical properties of multi-functional nanoparticles to allow specific targeting and regulation of tumor cells and their microenvironment of pancreatic and liver cancers. His recent research activities generated a group of interdisciplinary works in nanobiology, nanomedicine and blood physiology fields. He serves as an associate editor of Nano Letters.

Zhen Gu

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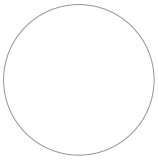
Dr. Zhen Gu is currently a Professor in the Department of Bioengineering at University of California, Los Angeles (UCLA). His group studies controlled drug delivery, bioinspired materials and nanobiotechnology. He is a co-founder of three start-up companies. He serves as an Associate Editor for Nano Research.



Arkady Karyakin

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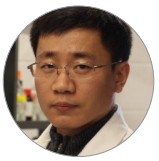

Lizeng Gao

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Dr. Lizeng Gao is a Professor in School of Medicine at Yangzhou University. His research focuses on developing bioactive nanomaterials (e.g. nanozymes) and multifunctional nano-enzyme complex for biomedical applications including antibacteria/biofilm and cancer diagnosis and therapy.

Gang Liu

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Prof. Gang Liu is a Professor of Biomedical and Bioengineering at the Center for Molecular Imaging and Translational Medicine, Xiamen University. He is particularly interested in developing new molecular imaging probes through cellular/molecular-biology-oriented methods and applying novel imaging and therapeutic agents for cancer theranostics.