Department of Biomedical Engineering and Department of Biomedical Sciences, CityU

presents

Title: Delivery of Biologics

Speaker: Professor Xiaohu Gao,

Department of Bioengineering, University of Washington at Seattle

Date: 7 August 2023 (Monday)

Time: 10:00 AM - 11:30 AM

Venue: LT-4 Mr & Mrs David T F Chow Lecture Theatre, Level 4, Yeung Building, CityU

Abstract:

Biomacromolecule-based imaging agents and therapeutics such as DNA, RNA, and proteins are often superior in structural and functional diversity compared to small molecules and are easier to design or screen. Despite these fundamental advantages, the power and impact of biomacromolecule-based agents are often undermined by the delivery challenge. In this talk, I will discuss a couple of new strategies for targeted and intracellular delivery of biologics with applications in both basic biology studies and drug discovery.

Brief biography:

Dr. Gao received his Ph.D. degree in chemistry from Indiana University, Bloomington in 2004, and his postdoctoral training from the Department of Biomedical Engineering at Georgia Tech and the Winship Cancer Institute at Emory University. He became a faculty member in the Department of Bioengineering and the Center for Nanotechnology at the University of Washington, Seattle in 2005. His research interests include cancer nanotechnology, molecular engineering, molecular imaging, and drug delivery. He has published 100 peer-reviewed papers that have been cited over 27,000 times collectively according to Google Scholar.

Honors and Awards:

- 2010 Faculty innovator award, College of Engineering, University of Washington
- 2007 CAREER Award, National Science Foundation
- 2013 Elected fellow of AIMBE (American Institute for Medical and Biological Engineering)

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Enquiries:

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