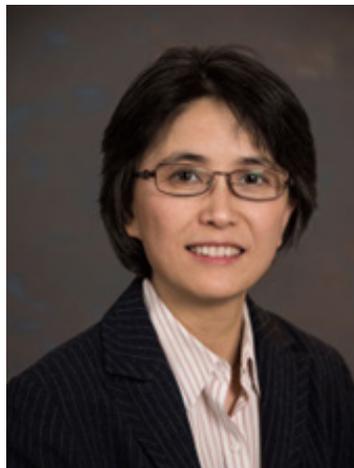


COLLEGE OF ENGINEERING BIOENGINEERING SEMINAR

 **Temple
University**
College of Engineering

**Friday
March 24
12pm EST**

**Engineering
Room 126**



Xinqiao Jia, PhD

Department of Materials Science
and Engineering,
Department of Biomedical Engi-
neering,
University of Delaware

“Biomaterials-based, bottom-up approaches for the engineering of functional tissue”

Abstract: Research in the Jia Group lies at the interface of materials and biology. Using diverse and modular building blocks and employing highly efficient bio-orthogonal chemistries, we are developing innovative biomaterials that closely mimic the molecular composition, mechanical properties and biological functions of the natural extracellular matrices. The synthetic matrices, combined with defined mechanical cues and biological factors, create a three dimensional microenvironment for improved understanding of cell biology and tissue morphogenesis. Using biologically inspired paradigms, we are developing methodologies for the engineering of healthy, replacement tissues and physiologically relevant disease models.

Bio: Xinqiao Jia is Professor of Materials Science and Engineering and Biomedical Engineering at the University of Delaware. She received her B.S. in Applied Chemistry from Fudan University in China in 1995 and her Ph.D. in Polymer Science and Engineering from the University of Massachusetts Amherst in 2002. She conducted her postdoctoral training with Professor Robert Langer at MIT prior to joining the University of Delaware in 2005. She received the NSF CAREER Award in 2006, DuPont Young Professor Award in 2010, the Delaware BioScience Association's Academic Award in 2011, and the Delaware ACS Section Award in 2018. She was the Thematic Program Chair of the 244th ACS meeting and served as a program co-chair for the Division of Polymeric Materials Science and Engineering (PMSE) in 2015-2018. She served as an ad hoc reviewer for many NIH review panels and is currently a chartered member of the Biomaterials and Biointerfaces Study Section.

For more info on BioE Seminars or for how to participate remotely [via Zoom](#)

(Zoom ID: 923 7875 8038), please contact

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Dr. Karin Wang (karin.wang@temple.edu).



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