

Raymond Tu, PhD

Professor, Department of Chemical Engineering
The City College of New York (CCNY)



Session: Healthcare

Title of Talk: Competitive adsorption at the air/water interface – Who wins the race between mAbs and surfactants?

Bio: Raymond Tu received his PhD in chemical engineering from the University of California - Santa Barbara in 2004, studying the design and self-assembly of peptide functionalized molecular architectures. He completed a post-doctoral fellowship in 2005 at Georgia Institute of Technology investigating rheological properties of biologically functionalized polymer-based materials. Currently, he is a professor of chemical engineering at The City College of New York - CUNY. The focus of his research program is the synthesis and characterization of surface-active molecular building blocks, which are derived from the combination of elements that direct interfacial assembly with components responsible for selective binding. This methodology is proving to be an effective tool for understanding biologic drug product development and engineering complex composite materials.