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## **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 an associate professor at The City College of The City University of New York. The focus of his research program is the synthesis 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 engineering complex composite materials that contain structures with multiple length-scales.