"Tunable Multifunctional Macromolecules via Parallel Experiment and Computation: from Drug and DNA Delivery Vehicles to Sustainability"

Wednesday
March 22, 2023
3:30 PM
Wu and Chen Auditorium
Levine Hall

Theresa M. Reineke is the Prager Chair in Macromolecular Science and Distinguished McKnight University Professor in the Department of Chemistry at The University of Minnesota. She also holds graduate faculty appointments in the Departments of Chemical Engineering/Materials Science and Pharmaceutics. She received a B.S. Degree from the University of Wisconsin-Eau Claire, a M.S. Degree from Arizona State University, and a Ph.D. from The University of Michigan. She then received a National Institutes of Health Postdoctoral Fellowship to further her research background at the California Institute of Technology prior to beginning her independent faculty career. Her research group is focused on enabling fundamental and applied technology advancements of polymers in the fields of gene therapy and genome editing, drug delivery, and sustainability. She has published over 170 peer reviewed manuscripts, has numerous patents, and manages a large group of researchers funded by several corporate, private foundation, and national funding agency grants. Reineke has received several awards, including the 2009 National Institutes of Health Director’s New Innovator Award, 2012 Outstanding New Investigator Award from the American Society of Gene and Cell Therapy, 2017 Carl S. Marvel Creative Polymer Chemistry Award from the American Chemical Society Division of Polymer Chemistry, 2018 was awarded the DuPont Nutrition and Health Sciences Excellence Medal, and most recently the 2022 Arthur C. Cope Scholar Award from the American Chemical Society. She has cofounded two start up biotech companies: Techulon, Inc. and Nanite, Inc. She has also served as Associate Editor of ACS MacroLetters and Chemical Science and in 2023 became Editor-in-Chief of Bioconjugate Chemistry. She also currently serves on the Editorial Advisory Boards of the peer-reviewed journals Biomacromolecules, Bioconjugate Chemistry, Polymer Chemistry, and ACS Applied Polymer Materials.