

Tina Louise Brower-Thomas



Tina Louise Brower-Thomas received her PhD in materials chemistry from the New York University Tandon School of Engineering. After completing a National Research Council postdoctoral fellowship at the Naval Research Lab, Surface and Microanalysis Division, Center for Biomolecular Science and Engineering, Tina began a career in consulting. As a consultant, she supported missions of The Defense Advanced Research Projects Agency (DARPA) and The Department of Homeland Security (DHS). Tina returned to her Alma Mater, Howard University in 2007. At Howard, Tina pursues research molecular self-assembly, surface functionalization for biotechnology, and growth and characterization of 2D materials. In addition to being research faculty, Tina is the education director for the NSF Science and Technology Center for Integrated Quantum Materials, a Center between Harvard, Howard and the Massachusetts Institute of Technology, as well as public outreach through the Museum of Science, Boston. The mission of CIQM is to provide pathways to careers in science and technology and develop a diverse group of scholars that are equipped with the tools and training to make important breakthroughs in quantum materials. Since the Center's inception no less than eighty students have completed internships at Harvard, Howard and MIT. She has mentored numerous undergraduate researchers through Howard University Nanoscale Science and Engineering Facility, where she is the executive director. Many of her mentees have gone on to pursue graduate degrees in STEM fields. Tina is a founding member of The Color of STEM.