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Sarah H. Tolbert is a professor in the Departments of Chemistry and Biochemistry and Materials Science and Engineering at UCLA. Prior to joining the faculty at UCLA, she received a B.S. from Yale University, a Ph.D. from U.C. Berkeley, and was an NSF postdoctoral fellow at U.C. Santa Barbara. Her research focuses on controlling nanometer-scale architecture in solution-processed nanomaterials to generate unique optical, electronic, magnetic, structural, and electrochemical properties. Her group specifically focuses on solar energy harvesting, electrochemical energy storage, nanomagnetism, and new ultra-hard materials. She also leads a program aimed at bringing nano-concepts to high school students in the greater LA area. Professor Tolbert is the recipient of a number of awards including the Office of Naval Research Young Investigator Award, an NSF CAREER Award, a Beckman Young Investigator Award, and a Sloan Foundation Research Fellowship.