

SHORT BIO

Joan Redwing is a Distinguished Professor of Materials Science and Engineering and Electrical Engineering at Penn State University. She currently serves as Director of the 2D Crystal Consortium (2DCC), an NSF Materials Innovation Platform national user facility that is focused on advancing the synthesis and characterization of 2D materials for next generation devices. Her research focuses on crystal growth and epitaxy of electronic materials, with an emphasis on thin film and nanomaterial synthesis by metalorganic chemical vapor deposition. She is a fellow of the Materials Research Society, the American Physical Society, and the American Association for the Advancement of Science. She is an author on over 350 publications in refereed journals and holds 8 U.S. patents.