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Dr. Weaver received her B.S. degree in Chemistry in 1989 from the California Institute of Technology and her Ph.D. in Chemical Physics in 1994 from the University of Colorado at Boulder. She served as an Assistant Professor in the Department of Chemistry at the University of Colorado at Denver from 1994 to 2001. During that time she shifted the focus of her research work from physical chemistry to educational research and the development of instructional technologies. She joined Purdue in 2001 as an Associate Professor. In 2004 she became Director of the Center for Authentic Science Practice in Education, a lead project in the Discovery Learning Center that is funded by the Chemistry Division at NSF. In 2008 she was promoted to full professor and also served as Associate Head in the Department of Chemistry in 2009. Dr. Weaver has been a co-author on two different first-year chemistry textbooks, and continues to be a contributing author to *Chemistry in Context*, a textbook produced by the American Chemical Society. She has also been the leader in several projects to develop instructional technologies including DVDs, websites and videogames for teaching chemistry.