

**NSF Directorate for Engineering  
Advisory Committee Guest Biographies  
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**LINDA ABRIOLO** is Dean of the School of Engineering and Professor of Civil and Environmental Engineering at Tufts University. Abriola also holds a courtesy appointment in the Department of Chemical and Biological Engineering. She received her Ph.D. and master's degrees from Princeton University and a bachelor's degree from Drexel University, all in civil engineering. Abriola is a Fellow of the American Geophysical Union and a member of both the American Academy of Arts and Sciences and the National Academy of Engineering (NAE). She is currently an elected member of the NAE governing Council and served on the executive board of the American Society of Engineering Education's Engineering Deans Council.

An author of more than 130 refereed publications, Abriola is an expert on the multiphase transport, fate, and recovery of contaminants in the subsurface. She has been the recipient of a number of awards, including the Association for Women Geoscientist's Outstanding Educator Award, the National Ground Water Association's Distinguished Darcy Lectureship, designation as an ISI Highly Cited Author in Ecology/Environment, and the Strategic Environmental Research and Development Program Project of the Year Award in Remediation.

**DAVID R. WALT** is the Robinson Professor of Chemistry and a University Professor at Tufts University, and he holds an appointment in the department of biomedical engineering in the Tufts School of Engineering. He is also a Howard Hughes Medical Institute Professor. Walt joined the Tufts chemistry faculty in 1981. He investigates fundamental questions about biological processes, including protein folding, and creates optical microarray technologies for disease detection and cancer diagnostics. He has published more than 300 papers and holds more than 70 patents.

Walt is a founder and board member of two companies: Illumina, built on his invention of a miniature platform for rapid and inexpensive genetic analysis, and Quanterix, which offers analysis of single molecules such as protein and other biomarkers. To improve pre-college science education, Walt founded the Chemistry Organized Outreach Partnership (CO-OP), which brings modern laboratory techniques, equipment, and experiments to urban high schools in Massachusetts.

Walt received a B.S. in chemistry from the University of Michigan and a Ph.D. in chemical biology from SUNY at Stony Brook. He received the Esselen Award for chemistry in the public interest, is a member of the National Academy of Engineering, and is a fellow of the American Academy of Arts and Sciences.