

Biography



Prof. Catherine E. Costello
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Catherine E. Costello is a William Fairfield Warren Distinguished Professor at Boston University, with appointments in the Depts. of Biochemistry, Biophysics and Chemistry. She earned her AB at Emmanuel College, Boston, and PhD at Georgetown University, Washington, DC. She was a postdoctoral fellow and Senior Research Scientist at MIT, where she served as Associate Director of the NIH Mass Spectrometry Resource for more than 20 years. She founded the BU School of Medicine Center for Biomedical Mass Spectrometry in 1994. Her research centers on development of mass spectrometry-based instrumentation and methods for biopolymers and their application to study glycobiology, protein post-translational modifications, protein misfolding disorders, cardiovascular and infectious diseases, and bioactive lipids. She has authored >375 scientific papers. She serves on multiple editorial and advisory boards. She is Immediate Past President of the International Mass Spectrometry Foundation; she was President of ASMS in 2002-04 and International HUPO in 2011-12. She has been a Councilor for the NESACS since 1989 and was Chair of the section in 2014. She is a Board Member of the Malta Conferences Foundation. She has received several major awards in the fields of mass spectrometry, proteomics and chemistry and is a Fellow of the ACS and the AAAS.