

Plenary Speaker

Buddy Ratner

Director, University of Washington Engineered Biomaterials Engineering Research Center, USA; Michael L. and Myrna Darland Endowed Chair in Technology Commercialization, USA; and Professor, Departments of Bioengineering and Chemical Engineering, University of Washington, USA



Buddy D. Ratner is the Director of the University of Washington Engineered Biomaterials (UWEB) Engineering Research Center and the Michael L. and Myrna Darland Endowed Chair in Technology Commercialization in USA. He is also Professor of Bioengineering and Chemical Engineering at the University of Washington, USA. Ratner received his Ph.D. (1972) in Polymer Chemistry from the Polytechnic Institute of Brooklyn, USA. From 1985-1996, he directed the National Institutes of Health-Funded National ESCA and Surface Analysis Center for Biomedical Problems. In 1996, he assumed the directorship of UWEB.

He is Editor of the *Journal of Undergraduate Research in BioEngineering*, on the advisory board of *Biointerphases* and serves on the editorial boards of 10 other journals. He is a past president of the Society for Biomaterials. He has authored over 400 scholarly works and has 18 issued patents.

Ratner is a Fellow of the American Institute of Medical and Biological Engineering (AIMBE), American Vacuum Society, American Association for the Advancement of Science, the Biomedical Engineering Society (BMES) and the International College of Fellows Biomaterials Science and Engineering. He served as President of AIMBE in 2002-2003. In 2002, Ratner was elected a Member of the National Academy of Engineering, USA. In 2003, he was elected President of the Tissue Engineering Society of North America. He is now on the council of the Tissue Engineering and Regenerative Medicine International Society. He has participated in the launch of six companies based on technologies from his laboratory.

He has won numerous awards including the Medard W. Welch Award of the American Vacuum Society (2002), the Founders Award of the Society for Biomaterials (2004), the C. William Hall Award from the Society for Biomaterials (2006), the BMES Pritzker Distinguished Lecturer Award (2008) and the Acta Biomaterialia Gold Medal (2009). His research interests include biomaterials, tissue engineering, polymers, biocompatibility, surface analysis of organic materials, self assembly, nanobiotechnology and RF-plasma thin film deposition.