

Dr. Spiro Megremis is the Director, Research and Standards of the Science Institute of the American Dental Association (ADA) and Adjunct Clinical Associate Professor of Biomaterials in Orthodontics, University of Illinois at Chicago, College of Dentistry. Dr. Megremis has a BS and MS in mechanical and biomedical engineering (BME), respectively, from Rose-Hulman Institute of Technology, and a PhD in BME with a focus on biomaterials from Northwestern University, where he was a NIH/NIDCR Fellow.

He has over 20 years of research experience related to medical and dental materials and equipment. At the ADA, he leads scientists and engineers who perform general and applied dental research, including laboratory testing of dental materials and products using standard and novel test methods. This also includes research to support the development and verification of these novel test methods and equipment. He and his research group at the ADA hold three patents on dental testing equipment. Furthermore, they provide subject matter expertise and laboratory support to the ADA in its role as the American National Standards Institute (ANSI) recognized Standards Development Organization for Dentistry. Dr. Megremis also serves as Convener, Chair, Vice-Chair and US expert on various ASTM, ANSI/ADA, and ISO Medical and Dental Standards Groups from polymer-based restorative materials and corrosion test methods to powered toothbrushes and interoperability of CAD/CAM Systems. He has published articles in numerous peer-reviewed journals and book chapters and has lectured extensively on the subject of dental materials and equipment. He is a former President and Vice-President of the Chicago Section of the American Association for Dental Research and former Chair and Vice-Chair of the Dental/Craniofacial Special Interest Group of the Society for Biomaterials, as well as the current Chair of the Devices and Materials Committee.

