



*What the leading academic experts are saying about Bob Ward and PTG...*



*"Bob Ward is without peer in manufacturing polymeric biomaterials for application in the hostile environment of the human body."*

**James M. Anderson, MD, PhD**  
Professor of Pathology, Macromolecular Science & Biomedical Engineering, Case Western Reserve University; Editor-in-Chief, *Journal of Biomedical Materials Research*



*"PTG is at the top in commercializing biomedical polymer products, and Bob Ward is most certainly one of the pioneers in this field."*

**Jean T. Jacob, PhD**  
Professor of Ophthalmology & Neuroscience, Louisiana State Univ. Health Science Center



*"Bob Ward and his Polymer Technology Group have indeed been catalysts for the increased use of polymers in device development."*

**Buddy D. Ratner, PhD**  
Professor of Bioengineering & Chemical Engineering, University of Washington; Council Member, Tissue Engineering & Regenerative Medicine International Society



*"Bob Ward and PTG have driven the development of novel biomedical products that are significantly benefiting mankind."*

**Gabor A. Somorjai, PhD**  
Professor of Chemistry, U. of California at Berkeley

*"...the design (of) implantable devices...has moved away from attempts to develop inert biomaterials in favor of biomaterials that interact with, and in time are integrated into, the biological environment."*

Jon Katz, Editor, *Medical Device & Diagnostic Industry Magazine*

## The Driving Force behind new medical devices

By Ronald C. Trahan

"There can be no doubt that PTG is one of the most critically important companies in the area of biomaterials and medical devices," insists **Dr. Gabor A. Somorjai**, professor of chemistry at the University of California, Berkeley. (In 2002, Dr. Somorjai was presented with the National Medal of Science by President George Bush for his important contributions to the advancement of knowledge in the field of chemistry.)

"PTG has truly pioneered the analysis of biomaterial surfaces and interfaces," says Dr. Somorjai, who also is Director of the Surface Science and Catalysis Program at Lawrence Berkeley National Laboratory, where 11 Nobel Laureates are employed. "It is well-known in the industry that Bob Ward and PTG have driven the development of novel biomedical products that are significantly benefiting mankind. And not by hype. The biomaterials industry is based on empirical knowledge. What PTG has done is to increase its scientific understanding of why things work, why things don't work, and based on their knowledge have developed a whole new generation of biomaterials. They are an extremely valuable company in the biomaterials and medical device industry."

The Berkeley, Calif.-based Polymer Technology Group ("PTG") was co-founded in 1989 by **Robert S. Ward**, who is a recognized pioneer in the field of biomaterials and the Company's CEO. PTG specializes in the research, development, design, scale-up, and manufacture of new polymers, medical devices, and components. PTG's commercial product portfolio also includes two of the world's most extensively tested biomaterials in



*"Our goal is to apply a vertically integrated approach to development of implantable devices and prostheses: to tailor the mechanical properties and surface chemistry of the material in order to produce optimum results in the body."*  
Bob Ward, Co-Founder and CEO, PTG

clinical use today: **BioSpan**<sup>®</sup>, a segmented polyurethane, and **Bionate**<sup>®</sup>, a polycarbonate urethane. In addition, PTG offers custom-fabricated components—from its patented **PurSil**<sup>®</sup> silicone polyether urethane, and **CarboSil**<sup>®</sup> silicone polycarbonate urethane. PTG's newly expanded operations can support production-scale polymer synthesis through contract medical device manufacturing. ■