

Yadong Wang, Ph.D.

Yadong Wang is the William Kepler Whiteford Professor of Bioengineering with adjunct positions in Chemical and Petroleum Engineering, Mechanical Engineering and Materials Science, and Surgery at the University of Pittsburgh. He obtained his Ph.D. degree in Chemistry at Stanford University



in 1999, and performed his postdoctoral studies in biomaterials at MIT. He joined the Bioengineering Department at University of Pittsburgh in 2008 after serving as an assistant professor at the Georgia Institute of Technology for 5 years. His research focuses on creating biomaterials that present controlled chemical, physical, and mechanical signals to cells, tissues and organs. The ultimate goal is to control how the human body interacts with these materials. He is especially interested in applications of biomaterials in the cardiovascular, nervous and musculoskeletal systems. His team enjoys collaborating with other scientists and clinicians who share the same passion in translational research. Current projects include vascular grafts, controlled release of proteins and microfabrication of biomaterials.

Dr. Wang has published consistently in high-impact journals including Science, Nature Biotechnology, Nature-Medicine, and PNAS. In addition to academic research, he is also very active in technology translation: 5 of his patents are licensed; he co-founded a company that will soon market a switchable adhesive that drastically reduce tissue damages associated with removal of medical tapes; a polymer he invented is now marketed under the trade mark Regenerex™, the first new bioelastomer introduced to the market in decades. For his contribution to biomaterials and regenerative medicine, he was inducted into AIMBE in 2014.