



Timothy R. Billiar, MD

Member of the Board of Directors of the Ri.MED Foundation

Timothy R. Billiar, MD received his medical degree from the University of Chicago and completed his surgical training, which included a four-year research fellowship, at the University of Minnesota and the University of Pittsburgh. In 1992, Dr. Billiar became the first Samuel B. Harbison Assistant Professor of Surgery at the University of Pittsburgh. Within five years he was promoted to Professor, and in 1999 he was named Chair of the Department of Surgery and the George Vance Foster Chair in Surgery at the University of Pittsburgh School of Medicine.

Dr. Billiar has served in numerous leadership roles, including President of the Society of University Surgeons, the Surgical Infection Society, and the International Nitric Oxide Society. He also served as a member of the surgery residency review committee of the ACGME and a member of the Surgery, Anesthesiology, and Trauma study section of the NIH. His laboratory was the first to demonstrate the expression of the high output or inducible nitric oxide production pathway in humans and outside of the immune system. His lab would go on to clone the human inducible nitric oxide synthase gene (1993). More recently, his research program has focused on innate immune mechanisms in surgical sepsis and trauma with a special emphasis on the role of Damage Associated Molecular Pattern molecules and their pattern recognition receptors. This work includes the characterization of inflammatory networks, based on circulating biomarker patterns, in injured humans.

Dr. Billiar has published more than 700 papers, reviews, and book chapters and currently holds seven U.S. patents. In addition, he is an editor of Schwartz's Principles of Surgery, the leading international textbook of surgery.

Dr. Billiar's many honors include induction into the Institute of Medicine of the National Academies and designation as Distinguished Professor at the University of Pittsburgh (the University's highest honorific title). He is also a recipient of both the Flance-Karl Award and the Medallion for Scientific Achievement from the American Surgical Association, as well as the annual Scientific Achievement Award from the Shock Society. He is past recipient of an NIH Merit Award (2003-2013) and received an Innovative Global Talents Program Award from the Natural Science Foundation of China. Dr. Billiar also serves as Vice President and Chief Academic Officer of University of Pittsburgh Physicians, and Associate Medical Director of UPMC International and Commercial Services Division.

Since 2015 he's member of the Board of Directors of the Ri.MED Foundation.