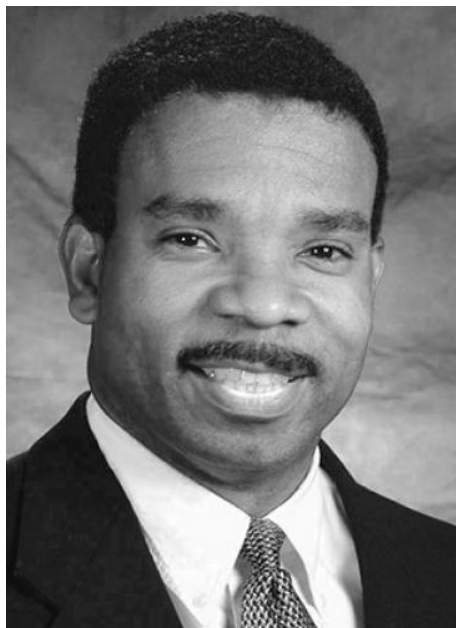


New England Science Symposium

KEYNOTE SPEAKER

Charles R. Bridges, Jr., M.D., Sc.D.

*Global Chief Technology Officer
Pulmonary Hypertension Therapeutic Area
Actelion Research and Development
Johnson & Johnson, Janssen Pharmaceuticals*



Charles R. Bridges, Jr., M.D., Sc.D., is the Global Chief Technology Officer in the Pulmonary Hypertension Therapeutic Area at Janssen Pharmaceuticals, where he leads the development of novel therapeutic devices and the application of advanced data sciences methods to solve problems in research and development. The goal within this area is to accelerate the development of novel commercially available technologies for the early diagnosis of rare diseases including pulmonary arterial hypertension.

From 2015 through January 2018, Dr. Bridges was Global Vice President in the Therapeutic Cardiovascular Area Expert for Johnson & Johnson Medical Devices. He served as the scientific lead for high-profile investments and acquisitions in the cardiovascular and neurovascular spaces culminating in the formation of CERENOVUS, Johnson & Johnson's neurovascular business in July 2017. He served as the scientific lead on nearly half a billion dollars of investments in medical device technologies.

Dr. Bridges was previously Professor of Surgery at the University of Pennsylvania, Chief of Cardiac Surgery at Pennsylvania Hospital, and Professor and Chairman of Cardiovascular, Thoracic and Vascular Surgery at Carolina's HealthCare System with the University of North Carolina. Dr. Bridges has received more than \$10 million in continuous National Institutes of Health (NIH) RO1 funding and has over 160 peer-reviewed publications. He served as a regular member of the Bioengineering, Technology and Surgical Sciences Study Section of NIH from 2010-2014, and was past Chairman of the Cardiovascular Committee of the American Society for Gene and Cell Therapy. He is a co-founder of StrongHolt Therapeutics, an early stage biotechnology company developing novel gene-based therapies for heart failure and muscular dystrophy.

Dr. Bridges received an A.B. in applied physics from Harvard College *magna cum laude* at age 19 and an M.D. from Harvard Medical School in the Harvard-MIT Program in Health Sciences and Technology. He received a Master of Science in electrical engineering and a Doctor of Science in chemical engineering from Massachusetts Institute of Technology as a Whittaker Health Sciences Fellow. He also competed in the 2016 World Rubik's Cube U.S. Nationals competition.