Jay Humphrey named to the inaugural John C. Malone Professorship

Yale UniversityYale University

Jay D. Humphrey, newly appointed as the inaugural John C. Malone Professor of Biomedical Engineering, studies vascular mechanics and mechanobiology.

Using both experimental and advanced computational methods, his research seeks to understand mechanisms of vascular disease progression, particularly aortic aneurysms that result from genetic mutations and diverse risk factors including hypertension.

Humphrey received his B.S. from Virginia Tech, and his M.S. and Ph.D. from the Georgia Institute of Technology. He also completed a postdoctoral fellowship in cardiovascular biomechanics at Johns Hopkins University. Humphrey previously held positions in the Department of Mechanical Engineering at the University of Maryland (1987-1998) and in the Department of Biomedical Engineering at Texas A&M University (1999-2010).

The Yale researcher is the author of three textbooks, including “Cardiovascular Solid Mechanics” and “An Introduction to Biomechanics,” and over 190 journal articles. He was the 2011 recipient of the H.R. Lissner Medal (Highest Divisional Award) from

the American Society of Mechanical Engineers (ASME). An invited lecturer at many colleges and universities, he has been recognized as a fellow of both the American Institute for Medical and Biological Engineering and the ASME.

The John C. Malone Professorship is one of 10 Malone Professorships established at the School of Engineering and Applied Science through the generosity of John C. Malone ’63E.

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