David A. Rubenstein, Ph.D.

Current Position: Assistant Professor, School of Mechanical and Aerospace Engineering, Oklahoma State University, Stillwater, Oklahoma

Education: B.E. in Biomedical Engineering, Stony Brook University (2000-2004); M.S. in Biomedical Engineering, Stony Brook University (2004-2005); Ph.D. in Biomedical Engineering, Stony Brook University (2005-2007).

Professional Societies: Biomedical Engineering Society (2001-); Microcirculatory Society (2005-; Communications Committee Member 2008-)

Funding: Oklahoma Center for the Advancement of Science and Technology – "Platelets & endothelial cells induce diabetic pathologies"; AHA – "Platelets and endothelial cell responses to coronary blood flow"; NSF – "Surfactant-templated polyurea-nanoencapsulated macroporous silica aerogel, a potential new biomaterial for artificial heart valves"

Honors and Awards: MAE Outstanding Faculty Member in Teaching and Research (AY 200809, Awarded by Pi Tau Sigma); Travel Award for Research Excellence to A Special Transatlantic Meeting of The Microcirculatory Society, Inc. and The British Microcirculation Society; Travel Award to the Annual Biomedical Engineering Fall Conference (2004 & 2005); Award for Academic Excellence in Biomedical Engineering – Class of 2004 (5/21/2004); Provosts Award for Academic Excellence - Stony Brook University (5/20/2004); Barry M. Goldwater Scholar (2003)

Grant Review: NSF – BME Panel (2008-); AHA – Vascular Wall Biology Panel (2008-)

Peer Review: Microcirculation; Annals of Biomedical Engineering; Nicotine and Tobacco Research; Journal of Heat Transfer; Journal of Thrombosis and Haemostasis; Thrombosis Research; International Journal of Computational Fluid Dynamics; BBA - Proteins and Proteomics

Current Research Interests: Microvascular Tissue Engineering, Cardiovascular Disease Development through Platelet and Endothelial Cell Communications, Biomaterial Scaffold Fabrication, Coagulation Kinetics

Personal Statement: I was introduced to the Microcirculatory Society in 2004 as a graduate student. I immediately felt that this was a unique society that fostered career development, at many levels, in a very friendly atmosphere. I have had a small impact on the redesign of the MCS webpage and would like to take this opportunity to continue to serve the society as a councilor. If elected, I would encourage new members, from non-MCS traditional disciplines, to join our society. The aim would be to bring new ideas and new collaborations to our society while retaining our core fundamentals in microcirculatory research.