

Matthew Boegehold, Ph.D.

Present position: Professor and Vice-Chair, Department of Physiology and Pharmacology, and Director, Center for Cardiovascular and Respiratory Sciences, West Virginia University School of Medicine, Morgantown, WV

Education: BS: University of Michigan (Biology, 1980); Ph.D.: University of Arizona (Physiology, 1986); Postdoctoral Training: Indiana University (Microvascular Physiology, 1988)

Professional Societies: Microcirculatory Society; American Physiological Society; European Society for Microcirculation; AHA Council for High Blood Pressure Research (Fellow, 1991); AHA Council on Basic Cardiovascular Sciences; APS Cardiovascular Section (Fellow, 2001); Society for Free Radical Biology and Medicine

Honors and Awards: NIH predoctoral traineeship (1980–85); Fellow, AHA Council for High Blood Pressure Research (1991); Young Investigator Award, Second Int. Symposium on Endothelium-Derived Vasoactive Factors (1992); IUPS Travel Awards (1993, 1997); Microcirculatory Society Outstanding Young Investigator Travel Award (1994); Dean's Award for Excellence in Research, WVU School of Medicine (2000); Fellow, APS Cardiovascular Section (2001)

National Funding (as PI): AHA 0755264B, “Dietary Salt and Microvascular Superoxide Production”. AHA #09GRNT2250298, “Effect of Juvenile Growth on Endothelium-Dependent Control of Microvascular Tone”. NIH/NIEHS 1RC1ES018274, “Microvascular Health and Nanoparticle Exposure” (Co-PI). NIH R01 HL092203, “Dietary Salt and Microvascular Function” (pending). NIH R01 HL103984, “Juvenile Growth and Microvascular Nitric Oxide Production” (pending).

Editorial Board: “Microcirculation” (2002-present).

Grant Review: AHA National, “Brain and Cardiovascular Regulation” Study Group (1995-1997); NIH/NHLBI Program Project review panel (1997); AHA “Cellular Cardiovascular Physiology & Pharmacology” Study Group (2000). Medical Research Grant Program, Jewish Hospital, Louisville, KY, (Ad hoc, 2000); NIH “Cardiovascular and Renal (CVB)” Study Section (Ad hoc; 2002); Ohio University Research Committee (Ad hoc, 2002). AHA, “Vascular Biology and Blood Pressure/Regulation 2” Study Group (2008-present).

Peer Review: Microcirculation; Microvascular Research; Am. J. Physiol., Heart and Circulatory Physiology; Am. J. Physiol., Regulatory, Integrative and Comparative Physiology; Cardiovascular Research; FASEB Journal; Experimental Physiology; Gut; Hypertension; Journal of Pharmacology and Experimental Therapeutics; Journal of Physiology; Journal of Vascular Research; Life Sciences

Professional Activities: MCS Awards Committee (1995-98; Chair: 1998); MCS Finance Committee (2000-2003); MCS Executive Council (2001-2004); MCS Development Committee (2002-2004); MCS Publications Committee (Chair: 2005-2008). APS, Cardiovascular Section Nominating Committee (2009-present). Symposium organizer and chair: (1) “Hypertension”, 20th European Conf. on Microcirculation, 1998, (2) “Hypertension and Microvascular Control”, IWCBS, 1998, (3) “Apoptosis and Organ Injury Mechanisms in Hypertension”, EB, 2002, (4) “Evolution of Vascular Regulation from the Neonate to the Aging Adult: Mechanisms and Functional Consequences”, EB, 2003, (5) “Inflammatory Aspects of Hypertension: Insights from the Microcirculation”, XXXV International Congress of Physiological Sciences, 2005.

Current Research Interests: Mechanisms of tissue blood flow regulation; effect of microvascular network growth on endothelial function, microvascular oxidant stress and inflammation associated with dietary salt and salt-induced hypertension.

Personal Statement: Since joining the Microcirculatory Society as a young investigator 20 years ago, I have experienced firsthand the rich personal and professional rewards that come from active participation in the Society. Since its inception, an important guiding principal of the Society has been to foster the career development of young investigators, and in these challenging times we need to maintain this focus more than ever. As President, I would support opportunities for young investigators to become even more involved in society meetings, activities and governance, while at the same time working to maintain the collegial and supportive atmosphere that has been our hallmark. Modern scientific tools have revealed the complexity of mammalian biology and it's clear that meaningful advances in biomedical research will increasingly depend on the combined talents of investigators from diverse backgrounds. The continued relevance and growth of our society rests on our ability to attract and retain these individuals, and as President I would strongly support initiatives that would continue to raise awareness among the larger scientific community of the superb science and exciting collaborative opportunities that our society has to offer. As we meet these challenges, it is also critical that our society continues to maintain its independence and unique identity through additional freestanding meetings organized around cutting-edge themes, as well as small joint meetings with other societies.