

Robert W. Brock, Ph.D.

Present Position: Associate Professor and Wyeth Research Scholar - Department of Physiology and Pharmacology; Graduate Director - Cellular and Integrative Physiology; Center for Cardiovascular and Respiratory Sciences, West Virginia University School of Medicine, Morgantown, West Virginia.

Education: B.Sc. (Honors Kinesiology 1995) University of Waterloo, Canada; M.Sc. (Work Physiology, 1997), University of Waterloo, Canada; Ph.D. (Medical Biophysics, 2000), University of Western Ontario, Canada; Postdoctoral Fellow (2000-2002), Lawson Health Research Institute, Centre for Critical Illness Research.

Professional Societies: Microcirculatory Society (Awards Committee), American Heart Association (Great Rivers Affiliate - Research Committee), American Physiological Society (Education Committee), American Society of Pharmacology and Experimental Therapeutics (Competition Committee-CV Section), Sigma Xi, American Association for the Study of Liver Diseases, International Association for the Study of the Liver.

National Funding: NIH Grant R01 DK067582 (2007-2012), PI - "C-peptide: protection against diabetic complications."; AHA Beginning Grant-in-Aid 0660073Z (2006-2008), PI - "Protection from type 1 diabetic microvascular dysfunction: role of C-peptide and NADPH."

Honors and Awards: 2000-2002 Natural Sciences & Engineering Research Council of Canada Postdoctoral Fellowship; 2003 APS-GI and Liver Section Young Investigator Award; 2007-present Wyeth Research Scholar for Research Excellence, West Virginia University; 2008-present Fellow of the Basic Cardiovascular Sciences Council-AHA.

Editorial Boards: Microcirculation; Journal of Pharmacology & Experimental Therapeutics; Liver International; Reports in Medical Imaging; Advances in Physiology Education (Associate Editor).

Grant Review: American Heart Association-National Center, 2007-present (Chair); North Carolina Biotechnology Center, 2007; Italian Ministry of Health/NIH, Directorate for Health and Technologies Research, 2009.

Peer Review: Microcirculation; Microvascular Research; Journal of Pharmacology & Experimental Therapeutics; Hepatology; Journal of Physiology-London; AJP-Regulatory, Integrative and Comparative Physiology; AJP-Gastrointestinal and Liver Physiology; Antioxidants & Redox Signaling; Free Radical Biology & Medicine; Liver International; Advances in Physiology Education.

Current Research Interests: Regulation of the hepatic and renal microcirculation in pathological states (diabetes, obesity and transplant), the role of inflammation and oxidant stress, the role of the endothelial cell and mitochondria.

Personal Statement: The Microcirculatory Society (MCS) has helped to forge my career for the past 12 years, from the early beginnings as a graduate student to my current position as an established investigator and mentor. I was attracted to the Society by its diverse membership and its embrace of the history and traditions of microcirculation research. Over the past couple of years, the relentless work of our Society's leadership has helped to further cultivate these treasured elements while striving to enhance our independence. I believe we can continue to promote this growth and strengthen our Society with active participation in all MCS activities and full support of our official journal, *Microcirculation*. If

elected as Councilor, I hope to further develop the independence of the Society while preserving its unique diversity and traditions.