

Brant E. Isakson, PhD

Present Position: Assistant Professor in Molecular Physiology and Biological Physics and Resident Faculty of the Robert M. Berne Cardiovascular Research Center, University of Virginia School of Medicine (2007-present)

Education: B.S. Biology, Gustavus Adolphus College (1994-1998); Ph.D. Physiology, University of Wyoming; Mentor, Scott Boitano (1998-2002); Post-doctoral Training, University of Virginia: Mentor, Brian Duling (2003-2007)

Professional Societies: Microcirculatory Society (2006-present): Chair, Communications Committee; Chair, Publications Committee; American Physiological Society (2000-present): CV Section Fellowship Committee; American Society for Cell Biology (2003-present); North American Vascular Biology Organization (NAVBO; 2008-present); American Heart Association (2006-present); Co-organizer, 2013 International Connexin, Pannexin and Innexin Conference

National Funding (current): NIH R01—Mechanisms of heterocellular signaling in the vessel wall; NIH R21—Plasminogen activator inhibitor regulation of myoendothelial junctions; American Heart Association, Scientist Development Award; Phillip Morris Initiative Grant—Connexin43 regulation of cell cycle control

Grant Review: NIH, Ad-hoc, Study Section: *Atherosclerosis and Inflammation in the Cardiovascular Systems* (2011); American Heart Association, Study Section: *Cardiac Biology and Regulation* (2008-present); British Diabetes Association (2008-2009)

Peer Review (current): Editorial Board, *Microcirculation*; Editorial Board, *Biochemical Journal*; Editorial Board, *Journal of Biological Chemistry*; Editorial Board, *Frontiers in Vascular Physiology*; Ad hoc journal reviewer: *Nature Cell Biology*, *Circulation Research*, *ATVB*, *Journal of Cell Biology*, *Journal of Cell Science*, *American Journal of Physiology*

Research Interests (current):

We are currently focused on the role of pannexins in the microcirculation and the regulation/post-translational effects of nitric oxide and related proteomic players at myoendothelial junctions.

Personal Statement

The Microcirculatory Society has been an integral part of my research career and I humbly and happily owe the society a great deal. To my knowledge, there is no society that monetarily and professionally supports young researchers like we do, and it is a true honor to be in a group the values aspiring scientist to such a degree. I would like to see this commitment to young researchers continue and be even more integrated into the society, perhaps by allowing specialized representation and/or special invitations to publish in *Microcirculation*.