Jerome (Jerry) Breslin, PhD

Present Position:
Professor, Department of Molecular Pharmacology and Physiology, Morsani College of Medicine, University of South Florida, Tampa, FL

Education:
BA, Biological Sciences, Rutgers University
MS, Seton Hall University
PhD, Pharmacology and Physiology, Rutgers University

Honors and Awards:
MCS August Krogh Young Investigator Award (2005), Lymphatic Research Foundation/Susan G. Komen Breast Cancer Foundation Young Investigator Scholarship (2006), NIH Loan Repayment Program Participant (2009-2017), MCS Travel Award for Outstanding Young Investigators (2012), Fellow, American Physiological Society CV Section (2015)

Current Funding:
NIH R01GM120774 "S1P-Fluid Therapy to Reduce Hemorrhagic Shock & Intoxication-Induced Injury" (PI); and American Heart Association 18UFEL33960365 "University of South Florida Heart Institute Summer Undergraduate Research Program" (PI)

Professional Societies/Groups:
Microcirculatory Society, American Physiological Society (APS), American Society for Cell Biology, American Heart Association

Editorial Boards:
Microcirculation, Associate Editor (6/1/2013 – present), and member of the editorial boards for *PLOS One* (9/1/2014 – present) and the *Journal of Vascular Research* (September 1, 2018 – present)

Peer Review (Selected Journals from Past Two Years):
Circulation Research; Journal of Clinical Investigation; Journal of Physiology (London); Cardiovascular Research; American Journal of Physiology: Cell Physiology; American Journal of Physiology: Heart and Circulatory Physiology; American Journal of Physiology: Lung Cellular and Molecular Physiology; American Journal of Physiology: Regulatory, Integrative, and Comparative Physiology; American Journal of Physiology: Endocrinology and Metabolism; American Journal of Physiology: Gastrointestinal and Liver Physiology; Scientific Reports; Journal of the American Heart Association; Alcoholism: Clinical and Experimental Research; PLOS One; Journal of Applied Physiology; Microcirculation; Microvascular Research; Journal of Vascular Research

Grant Review (Past Two Years):
NIH Hypertension and Microcirculation Study Section, Ad Hoc Reviewer (2017)
US Army Congressionally Directed Medical Research Programs (2017)
NIH 2017/10 ZRG1 DKUS-H (58) R PAR-15-306: Lymphatics in Health and Disease in the Digestive System, Kidney, and Urinary Tract (R01) (2017)
NIH ZGM1 TWD-X (PR) Review of PRAT Applications (2018)
Department of Defense – Defense Medical Research and Development Program (2018)
NIH ZRG1 BCMB-C (40) PAR17-340, Collaborative Program Grant for Multidisciplinary Teams (RM1), Mail Reviewer (2018)

NIH 2019/01 ZRG1 F05-D (21) Fellowships: Cell Biology, Developmental Biology, and Bioengineering (2018)

Recent Professional Activities:
Councilor, The Microcirculatory Society (2014-2017); Microcirculatory Society Webmaster (2015-present); AAMC project team: Review of AAMC Compact Between Postdoctoral Appointees and their Mentors (2015-2018); Chair, APS Cardiovascular Section Communications Committee (2017-present); Scientific Advisory Committee for the 11th World Congress for Microcirculation (2017-2018)

Current Research:
Role of the microcirculation in the integrative pathophysiology of trauma; signals that control microvascular permeability; physiology of lymphatic system

Personal Statement:
I have been studying the microcirculation for the past twenty years. The MCS was the first scientific society I joined, and has provided so many opportunities for me to expand my knowledge and make many friends who share my interest in discovery and the pursuit of new knowledge. A few years ago I had the pleasure of serving on the MCS Council at a time when the MCS initiated what in my view were several positive changes, including new branding and reforming our activities and events to create a greater vibrancy at our scientific meetings. One change in which I provided direct leadership was the complete redesign of our society's website. During this transformation, we solved several problems that were plaguing the society at the time, such as poor online journal access, huge fees and liabilities with online credit card billing, and dated processes for communication and recordkeeping. Since implementing these changes, and with the efforts of the current MCS Council and several key members, the society has gained a lot of momentum in terms of producing exciting scientific programs, building its membership, and fostering the careers of its junior members. My vision for the future is that we find ways to add additional value to the MCS, which will be needed to sustain our society as a vibrant hub of communication and innovation for scientists in our field. We already have several web tools and features at our disposal that can potentially help with this goal. However, to make it work we will need to identify what information our members value the most and how they like to receive it, along with additional ways that we can bring more visibility to our society. If chosen as the next Secretary of the MCS, I would work with the Council to make sure we maintain our current momentum with producing exciting and stimulating scientific meetings, along with identifying and implementing practices that will make the MCS a "user-friendly" entity for the next generation of microvascular researchers.