

Nikolaos M. Tsoukias, PhD

Present Position: Associate Professor, Department of Biomedical Engineering, Florida International University, Miami, USA.

Education: B.S. in Chemical Engineering, National Technical University of Athens (1989-1994); PhD in Engineering, University California Irvine (1995-1999); Postdoctoral Fellow in Biomedical Engineering, Johns Hopkins University (2000-2003).

Professional Societies: Microcirculatory Society; American Physiological Society; American Heart Association; Biomedical Engineering Society.

Current Funding: NIH (SC1HL095101) Theoretical and experimental investigations of microcirculatory signaling in hypertension, (2008-2013).

Honors: 2006 Arthur Guyton Award for Excellence in Integrative Physiology.

Grant Review: AHA (Biotechnology and Bioengineering section); NSF (Nano and Bio mechanics program); NIH (Multiscale Modeling Special Emphasis panel).

Peer Review: American Journal of Physiology; Biophysical Journal; Journal of Applied Physiology; Microcirculation; Annals of Biomedical Engineering; Journal of Theoretical Biology; European Respiratory Journal; Respiratory Physiology and Neurobiology; Biophysical Chemistry; Journal of Experimental Nanoscience; Applied Mathematics and Computation; Mathematical Biosciences; Acta Physiologica; Plos Computational Biology; Journal of Physiology.

Current Research Interest:

Calcium dynamics; Nitric Oxide dependent signaling; Intercellular communication; Regulation of microcirculatory tone.

Personal Statement:

I have been a member of the Microcirculatory Society since 2007 and I have served on the editorial board of "Microcirculation" since 2010. My participation in the council, if elected, will be a great privilege and it will allow me to learn more about the society and to further interact with its members. As a councilor, I will bring the perspective of an engineering faculty in a minority serving institution and I will assist the leadership of the society in their efforts for scientific excellence and increased visibility. The intimate environment, the non-diffuse scientific focus and the willingness to promote and integrate young investigators, separates the Microcirculatory Society from other academic societies, that I have been a member of, and I would like to assist and continue past efforts in maintaining such an environment.