

Hans Dietrich, Ph.D.

Present Position: Assistant Professor of Neurological Surgery, Washington University, St. Louis, MO.

Education: PhD (1986) Physiology, Max-Planck-Institute, Dortmund and Ruhr-University Bochum, Germany. Postdoctoral Fellowship at Department of Medical Biophysics, University of Western Ontario, London, ON, Canada.

Professional Societies: Microcirculatory Society, European Microcirculatory Society, American Physiological Society, Society for Neuroscience.

National Funding: Current: NIH RO1 NS30555 (Hypoxia-Reoxygenation and Regulatory Mechanisms), RO1 HL041250 (Lipid Mediators of Signal Transduction in Smooth Muscle), PO1 P01 NS32636 (Pathogenesis of CAA-Induced Neurovascular Dysfunction) Role Co-Investigator. Completed: NIH FIRST AWARD HL 57540, ADRC (NIA P50 AG05681) Pilot Study, PI.

Grant Review: Alzheimer's Association 2005 – now, Ad hoc reviewer: The Wellcome Trust; American Association of Neurological Surgeons (AANS).

Peer Review: American Journal of Physiology; Brain Research; Glia; Journal of Applied Physiology; Journal of Cerebral Blood Flow & Metabolism; Journal of Comparative Neurology; Journal of the American Society of Hypertension; Journal of Vascular Research; Journal of Neurosurgery; Microvascular Research, Neurosurgery; Stroke

Current Research Interests: Purinergic regulatory mechanisms in cerebral microcirculation, mechanisms of hypoxia/reoxygenation induced cerebro-microvascular injury, mechanism of amyloid beta induced cerebro-vascular dysfunction, cerebral amyloid angiopathy and vascular function in Alzheimer's Disease, cerebral microvessel and astrocyte communication, calcium independent phospholipase A2 (iPLA2) and vascular regulation, Regulator of G-protein signaling 2 (RGS2) and arteriolar vascular reactivity.

Personal Statement: If elected as treasure, my main goals would be to continue to maintain and further improve our Society's financial basis by assuring that the Society's moneys are received and spent according to our bylaws and Society goals. I have no background as an accountant except for my personal finances, but applying all the available tools such as accounting software to maintain a proper and complete ledger will help me in accomplishing this task. Meeting and interacting with the wealth of scientific minds presented in our society had a great impact on me and undoubtedly aided me in my career. Maintaining and improving our Society's financial basis will ensure that young scientist will have the continued opportunity to attend our Society meetings through our Society awards.