

Luis Arturo Martinez-Lemus, D.V.M., Ph.D.

Present Position: *Professor:* Department of Medical Pharmacology and Physiology, and Dalton Cardiovascular Research Center Investigator, University of Missouri, Columbia, Missouri.

Education: *D.V.M.,* Universidad Nacional Autonoma de México (UNAM) (January 1991).
Ph.D. Texas A&M University, College Station, Texas (December 1998).
Postdoctoral Training. Texas A&M University, College Station, Texas (1999-2004).

Honors and Awards: American Physiological Society Cardiovascular Section Fellow (April 2014).
National Heart, Lung and Blood Institute, National Institutes of Health Trainee travel award to attend the XIIIth International Vascular Biology Meeting in Toronto, Canada. (July 2004).
American Physiological Society, Research Career Enhancement Award (July 2002).

Current Funding: *National Institutes of Health (NIH).* “Mechanisms of Microvascular Remodeling Progression.” Luis A. Martinez-Lemus (PI). 2016-2019.
Department of Veterans’ Affairs (VA, BX003391A). “Endothelial Cell Mineralocorticoid Receptor and Tubulointerstitial Fibrosis.” PI, Adam T. Whaley-Connell. Luis A. Martinez-Lemus (Co-I). 2017-2021.
National Institutes of Health (NIH). “Restoring vasodilator actions of insulin in patients with type 2 diabetes.” PI, Jaime Padilla. Luis A. Martinez-Lemus (Co-I). 2017-2021.

Grant Review: *NIH, Hypertension and Microcirculation Study Section.* Vascular and Hematology Integrated Review Group. June 2018.
NIH, Special Emphasis Panel. Hypertension and Microcirculation. June 2018.
NIH, Hypertension and Microcirculation Study Section. Vascular and Hematology Integrated Review Group. June 2017.
NIH, Special Emphasis Panel. Hypertension and Microcirculation. June 2017.
Department of Veterans Affairs. Cardiovascular Studies-B (CARB; vascular disease) Subcommittee, appointed Standing Member from February 2017-June 2021.
NIH, Special Emphasis Panel. ZRG1 CB-T(30)I. Shared Instrumentation: Confocal Microscopy and Imaging Review Group, Fall 2016.
Veterans Affairs Office of Research. Cardiology B (CARB; vascular disease) panel, Fall 2016.
Veterans Affairs Office of Research. Cardiology B (CARB; vascular disease) panel, Summer 2016.
NIH, Special Emphasis Panel. Vascular and Hematology Integrated Review Group, Summer 2016.
NIH Review Study-University of Wisconsin-Madison, 2016.
American Heart Association – National. Member, Vascular Wall Biology and Blood Pressure Regulation, 2014, 2016.
Science Foundation Ireland (ad hoc), 2010.
CONICYT, Chile (ad hoc), 2010.
American Heart Association – National. Member, Vascular Biology and Blood Pressure Regulation, 2006-2010

Editorship and Peer Review: *Editorial Board Member for:* “CardioRenal Medicine” 2012-Present, “Microcirculation” 2010-2015, “Frontiers in Vascular Physiology” 2010-Present.
Guest Editor for the “American Journal of Physiology-Heart and Circulatory Physiology focus on Extracellular Matrix in Cardiovascular Physiology,” 2017-2018.
Associate Editor for the Physiology and Reproduction section of “Poultry Science” 2003-2009.
Reviewer for: Journal of Vascular Research; Arteriosclerosis, Thrombosis, and Vascular Biology; American Journal of Physiology; Clinical and Experimental Medicine; The

Anatomical Record; BMC Cell Biology; Hospital Practice; Microcirculation; Hypertension; Clinical and Experimental Pharmacology and Physiology; Anatomical Record; PLOS-One; Biomechanics and Modeling in Mechanobiology (BMMB); Scientific Reports; Frontiers; Journal of Regenerative Medicine and Tissue Engineering; Journal of Visualized Experiments; Journal of Physiology and Pharmacology; *Biochimica et Biophysica Acta* (BBA) Molecular Cell Research; Pharmacological Research.

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

Professional Activities: *Microcirculatory Society:* Treasurer (2016-2018), Program Committee (2007-2010), Membership Committee (2010-2013), Councilor (2011-2014), Finance Committee (2014-2016).

American Physiological Society-Cardiovascular Section: Secretary-Treasurer (2016-2019), Fellowship Committee (2008-2011), NIH Liaison Committee (2012-2015).

Research Interest: Mechanisms of vascular remodeling during development, aging and disease.

Personal Statement: I first became interested in vascular biology while researching the mechanisms that underlie broiler chickens being highly susceptible to developing pulmonary hypertension. It was then that I realized the importance of the microcirculation and made the Microcirculatory Society my professional home. I have had the privilege of serving our society as Treasurer, as Councilor and as an active member of the Program, Membership and Finance Committees; but more than anything, I have enjoyed and savored my growth and development as scientist while being embraced by the support and camaraderie of my fellow society members. For this reason I have made a commitment to support and serve our Society in any capacity. At this time, if elected, I would be honored to serve you as President and work to keep our society moving forward in these challenging and exciting times.