

Charles L. Stebbins, Ph.D.

Research/Academic Interests In general, Dr. Stebbins' research interest is control of the circulation as it relates to regulation of blood pressure and blood flow during exercise. Of particular interest to him are endothelial function and vascular biology as they relate to regulation of skeletal muscle blood flow. Recent studies have focused on the effects of dietary supplements such as fish oils, nitrates and polyphenols on blood pressure, blood flow and vascular function in healthy individuals as well as those with pre-hypertension.

Title Professor of Cardiovascular Medicine

Specialty [Cardiovascular Medicine](#), Exercise Science, Physiology

Department [Internal Medicine](#)

Division Cardiovascular Medicine

Additional Phone Phone: 916-734-5678

Email clstebbins@ucdavis.edu

Education Ph.D., Philosophy, University of Wisconsin, Madison WI 1981

B.S., California State University, Hayward CA 1972

M.A., Physical Education, UC Berkeley, Berkeley CA 1974

Fellowships Cardiovascular Neural Control, UC San Diego, San Diego CA 1982-1987

Professional Memberships American College of Sports Medicine, Fellow

American Physiological Society

Select Recent Publications Doh, H.W., C.L. Stebbins, H.M. Choi, J. Park, H. Nho, J.K. Kim. Histamine H2 receptor blockade augments blood pressure responses to acute submaximal exercise in males. Applied Physiology, Nutrition, and Metabolism. 2016.

Lee JS, Stebbins CL, Jung E, Nho H, Kim JK, Chang MJ, Choi HM. Effects of chronic dietary nitrate supplementation on the hemodynamic response to dynamic exercise. Am J Physiol Regul Integr Comp Physiol. 2015 Sep;309(5):R459-66.

Charles L. Stebbins, Ph.D.

Kim KA, Stebbins CL, Choi HM, Nho H, Kim JK. Mechanisms Underlying Exaggerated Metaboreflex Activation in Prehypertensive Men. *Med Sci Sports Exerc.* 2015 Aug;47(8):1605-12.

Choi HM, Stebbins CL, Lee OT, Nho H, Lee JH, Chun JM, Kim KA, Kim JK. Augmentation of the exercise pressor reflex in prehypertension: roles of the muscle metaboreflex and mechanoreflex. *Appl Physiol Nutr Metab.* 2013 Feb;38(2):209-15.

Holdsworth CT, Copp SW, Hirai DM, Ferguson SK, Sims GE, Hageman KS, Stebbins CL, Poole DC, Musch TI. The effects of dietary fish oil on exercising skeletal muscle vascular and metabolic control in chronic heart failure rats. *Appl Physiol Nutr Metab.* 2014 Mar;39(3):299-307.

Stebbins CL, Stice JP, Hart CM, Mbai FN, Knowlton AA. Effects of dietary decosahexaenoic acid (DHA) on eNOS in human coronary artery endothelial cells. *J Cardiovasc Pharmacol Ther.* 2008 Dec;13(4):261-8.

Walser B, Stebbins CL. Omega-3 fatty acid supplementation enhances stroke volume and cardiac output during dynamic exercise. *Eur J Appl Physiol.* 2008 Oct;104(3):455-61.

Walser B, Giordano RM, Stebbins CL. Supplementation with omega-3 polyunsaturated fatty acids augments brachial artery dilation and blood flow during forearm contraction. *Eur J Appl Physiol.* 2006 Jun;97(3):347-54.

Streuber SD, Amsterdam EA, Stebbins CL. Heart rate recovery in heart failure patients after a 12-week cardiac rehabilitation program. *Am J Cardiol.* 2006 Mar 1;97(5):694-8.

Stebbins CL, Symons JD, Hageman KS, Musch TI. Endogenous prostaglandins limit angiotensin-II induced regional vasoconstriction in conscious rats. *J Cardiovasc Pharmacol.* 2003 Jul;42(1):10-6.

Charles L. Stebbins, Ph.D.

© 2017 UC Regents