

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.
Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Herderick, Edward E.		POSITION TITLE CEO eehscience, LLC	
eRA COMMONSUSER NAME			
EDUCATION/TRAINING (<i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i>)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
The Ohio State University, Columbus OH	B.Sc.	1978	Statistics

A. Positions and Honors.

Professional Experience:

1975-1977 Part-time Statistical Programmer, Department of Veterinary Physiology,
The Ohio State University
1977-1978 Part-time Programmer, College of Medicine, The Ohio State University
1978-1980 Systems Analyst 1, College of Medicine, The Ohio State University
1980-1987 Systems Programmer 2, Laboratory of Experimental Atherosclerosis, The Ohio
State University
1987-1996 Systems Programmer 3, Laboratory of Vascular Diseases, The Ohio State University
1996-2005 Senior Systems Developer, Biomedical Engineering Center, The Ohio State University
2005-present CEO, eehscience, LLC

B. Selected peer-reviewed publications.

Grzybowski DM, Herderick EE, Kapoor KG, Holman DW, Katz SE. Human arachnoid granulations Part I: a technique for quantifying area and distribution on the superior surface of the cerebral cortex. Cerebrospinal Fluid Res. 2007 Jul 16;4:6.

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Zieske AW, Tracy RP, McMahan CA, Herderick EE, Homma S, Malcom GT, McGill HC Jr, Strong JP; Pathobiological Determinants of Atherosclerosis in Youth Research Group. Elevated serum C-reactive protein levels and advanced atherosclerosis in youth. Arterioscler Thromb Vasc Biol. 2005 Jun;25(6):1237-43. Epub 2005 Mar 31.

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McGill HC Jr, McMahan CA, Herderick EE, Zieske AW, Malcom GT, Tracy RE, Strong JP; Pathobiological Determinants of Atherosclerosis in Youth (PDAY) Research Group. Obesity accelerates the progression of coronary atherosclerosis in young men. *Circulation.* 2002 Jun 11;105(23):2712-8.

Szczotka LB, Roberts C, Herderick EE, Mahmoud A. Quantitative descriptors of corneal topography that influence soft toric contact lens fitting. *Cornea.* 2002 Apr;21(3):249-55.

Rescigno A, Powers J, Herderick EE. Bioequivalent or nonbioequivalent? *Pharmacol Res.* 2001 Jun;43(6):543-7. Erratum in: *Pharmacol Res* 2001 Oct;44(4):343.

Bartoszynski R, Powers JD, Herderick EE, Pultz JA. Statistical comparison of dissolution curves. *Pharmacol Res.* 2001 Apr;43(4):369-87.

McGill HC Jr, McMahan CA, Herderick EE, Malcom GT, Tracy RE, Strong JP. Origin of atherosclerosis in childhood and adolescence. *Am J Clin Nutr.* 2000 Nov; 72(5 Suppl):1307S-1315S. Review.

McGill HC Jr, McMahan CA, Zieske AW, Tracy RE, Malcom GT, Herderick EE, Strong JP. Association of Coronary Heart Disease Risk Factors with microscopic qualities of coronary atherosclerosis in youth. *Circulation.* 2000 Jul 25;102(4):374-9.

Koozekanani D, Roberts C, Katz SE, Herderick EE. Intersession repeatability of macular thickness measurements with the Humphrey 2000 OCT. *Invest Ophthalmol Vis Sci.* 2000 May;41(6):1486-91.

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Brousseau ME, Kauffman RD, Herderick EE, Demosky SJ Jr, Evans W, Marcovina S, Santamarina-Fojo S, Brewer HB Jr, Hoeg JM. LCAT modulates atherogenic plasma lipoproteins and the extent of atherosclerosis only in the presence of normal LDL receptors in transgenic rabbits. *Arterioscler Thromb Vasc Biol.* 2000 Feb; 20(2):450-8.

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McGill HC Jr, McMahan CA, Tracy RE, Oalman MC, Cornhill JF, Herderick EE, Strong JP. Relation of a postmortem renal index of hypertension to atherosclerosis and coronary artery size in young men and

women. Pathobiological Determinants of Atherosclerosis in Youth (PDAY) Research Group. *Arterioscler Thromb Vasc Biol.* 1998 Jul;18(7):1108-18.

Veress AI, Cornhill JF, Herderick EE, Thomas JD. Age-related development of atherosclerotic plaque stress: a population-based finite-element analysis. *Coron Artery Dis.* 1998;9(1):13-9.

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Hoeg JM, Santamarina-Fojo S, Bérard AM, Cornhill JF, Herderick EE, Feldman SH, Haudenschild CC, Vaisman BL, Hoyt RF Jr, Demosky SJ Jr, Kauffman RD, Hazel CM, Marcovina SM, Brewer HB Jr. Overexpression of lecithin:cholesterol acyltransferase in transgenic rabbits prevents diet-induced atherosclerosis. *Proc Natl Acad Sci U S A.* 1996 Oct 15;93(21):11448-53.

Litovsky SH, Farb A, Burke AP, Rabin IY, Herderick EE, Cornhill JF, Smialek J, Virmani R. Effect of age, race, body surface area, heart weight and atherosclerosis on coronary artery dimensions in young males. *Atherosclerosis.* 1996 Jun;123(1-2):243-50.

Alving CR, Swartz GM Jr, Wassef NM, Ribas JL, Herderick EE, Virmani R, Kolodgie FD, Matyas GR, Cornhill JF. Immunization with cholesterol-rich liposomes induces anti-cholesterol antibodies and reduces diet-induced hypercholesterolemia and plaque formation. *J Lab Clin Med.* 1996 Jan;127(1):40-9.

Cornhill JF, Herderick EE, Vince DG. The clinical morphology of human atherosclerotic lesions. Lessons from the PDAY Study. *Pathobiological Determinants of Atherosclerosis in Youth. Wien Klin Wochenschr.* 1995;107(18):540-3.

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Cornhill JF, Levesque MJ, Herderick EE, Nerem RM, Kilman JW, Vasko JS. Quantitative study of the rabbit aortic endothelium using vascular casts. *Atherosclerosis.* 1980 Mar;35(3):321-37.

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D Koozekanani, C Roberts, SE. Katz, EE Herderick: "Repeatability of Non-Dilated Macular Thickness Measurements with Optical Coherence Tomography." *Investigative Ophthalmology and Visual Science Suppl*, 1999, 40(4):S125.

L.B. Szczotka, C. Roberts, EE Herderick, A Mahmoud: "Quantitative Descriptors of Corneal Topography Which Influence Soft Toric Contact Lens Fitting." *Investigative Ophthalmology and Visual Science Suppl*, 1999, 40(4):S175.

Mahmoud AM, Roberts C, Herderick EE. "The Ohio State University Corneal Topography Tool." *Investigative Ophthalmology and Visual Science Suppl.* 2000; 41(4):S677.

Wang RC, Koozekanani DD, Herderick EE, Roberts C, Katz SE. "Effect of Pupil Dilation and Scanning Power on Retinal Thickness Measurements using Optical Coherence Tomography." *Investigative Ophthalmology and Visual Science Suppl.* 2000; 41:S173.