

Curriculum Vitae

Melissa Gale Steiner
Brookhaven College, 3939 Valley View Lane, Farmers Branch, TX 75244
972-860-4750
MSteiner@dccd.edu

Education

Project Management Institute, Dallas, TX
Project Management Professional Certification (PMP)

Purdue University, West Lafayette, IN
Ph.D. in Veterinary Physiology & Pharmacology

Wheaton College, Norton, MA
A.B. in Biology and Chemistry

Teaching Experience

Brookhaven College, Farmers Branch, TX August 2007 – present
Instructor – Biology 1408, 1409

Project Management Institute, Dallas, TX April 2005 - present
Instructor – Project Management Communications

Cornell University Medical College, New York, NY August 1994 – January 1999
Assistant Professor – Cell Biology and Anatomy in Otorhinolaryngology

Publications and Papers

Calcium-Dependent Changes in Growth and Morphology of Pleomorphic Adenoma Cells in vitro.
Presented at AAO-HNSF, 1998.

Inhibition of Oncogene-Induced Proliferation by Rosemary Extract in Human Mammary Epithelial Cells.
Presented at AACR Meeting, 1998.

Preventive Efficacy of Receptor Class Selective Retinoids on HER/neu Oncogene Expressing Preneoplastic Human Mammary Epithelial Cells.
Presented at AACR Meeting, 1998.

Effect of N-(4-hydroxyphenyl)retanimide (HPR) on Cell Cycle Progression and Apoptosis in HER/neu Expressing Human Mammary Epithelial Cells.
Presented at the 20th Annual San Antonio Breast Cancer Symposium, 1997.

RGD Peptides Inhibit the Adhesion of a Recurrent Pleomorphic Adenoma Cell Line to a Variety of Extracellular Matrix Proteins.

Presented at AAO-HNSF, 1997.

Expression of VLA (β 1) Integrins in a Recurrent Pleomorphic Adenoma Cell Line.

Presented at AAO-HNSF, 1997.

Proliferation Indices of Acoustic Neuromas and Meningiomas.

Presented at COSM, 1997.

RGD Peptide Inhibits Adhesion of Pleomorphic Adenoma Cell Lines to Fibronectin in a Dose-Dependent Manner.

Presented at AAO-HNSF, 1996.

Characterization of Novel Cell Lines from Pleomorphic Adenomas of the Parotid Gland Established in a Collagen Gel System.

Presented at AAO-HNSF, 1995.

Expression of VLA (β 1) Integrins in Pleomorphic Adenomas.

Presented at AAO-HNSF, 1995.

Expression of VLA (β 1) Integrins in Pleomorphic Adenoma Cell Lines.

Presented at AAO-HNSF, 1995.

Publications

Babbs, CF and Gale, MJ, "Colorimetric assay for methanesulfinic acid in biological samples," *Analytical Biochemistry* 163: 67-73, 1987.

Babbs, CF and Gale, MJ, "Methane sulfinic acid production from DMSO as an indicator of hydroxyl radical production in vivo," in *Free Radicals: Methodology and Concepts*, ed. C. Rice-Evans and B. Halliwell, pp. 91-121, Richelieu Press, London, 1988.

Babbs, CF and Steiner, MG, "Detection and quantitation of hydroxyl radicals using dimethyl sulfoxide as a molecular probe," in *Methods in Enzymology*, vol 186, ed. L. Packer and A.N. Glazer, pp. 137-147, Academic Press, New York, 1990.

Babbs, CF and Steiner, MG, "Simulation of free radical reactions in biology and medicine: A new two-compartment kinetic model of intracellular lipid peroxidation," *Free Radical Biology and Medicine* 8, pp 471-485, 1990.

Steiner, MG and Babbs, CF, "Quantitation of the hydroxyl radical by reaction with dimethyl sulfoxide," *Archives of Biochemistry and Biophysics* 278, pp. 478-481, 1990.

Steiner, MG and Babbs, CF, "Hydroxyl radical generation by postischemic rat kidney slices in vitro," *Free Radical Biology and Medicine* 9, pp. 67-77, 1990.

Steiner, MG, Harlow, SP, Colombo, E, and Bauer, KD, "Chromosomes 8, 12, and 17 copy number in Astler-Coller stage C colon cancer in relation to proliferative activity and DNA ploidy," *Cancer Research* 53, pp. 681-686, 1993.

Laurence, J, Mitra, D, Steiner, M, Lynch, DH, Siegal, FP, and Staiano-Coico, L, "Apoptotic depletion of CD4+ T Cells in Idiopathic CD4+ Lymphocytopenia," *J. Clinical Investigation* 97, pp. 672-680, 1995.

Laurence, J, Mitra, D, Steiner, M, and Staiano-Coico, L, "Plasma from patients with idiopathic and human immunodeficiency virus-associated thrombotic thrombocytopenic purpura induces apoptosis in microvascular endothelial cells," *Blood* 87, pp. 3245-3254, 1996.

Mitra, D, Steiner, M, Lynch, DH, Staiano-Coico, L, and Laurence, J, "HIV-1 upregulates Fas ligand expression in CD4+ T cells in vitro and in vivo: Association with Fas-mediated apoptosis and modulation by aurintricarboxylic acid," *Immunology* 87, pp. 581-585, 1996.

Staiano-Coico, L, Carano, K, Allan, VM, Steiner, MG, Pagan-Charry, I, Bailey, BB, Babaar, P, Rigas, B, and Higgins, PJ. "PAI-1 gene expression is growth state-regulated in cultured human epidermal keratinocytes during progression to confluence and post-wounding," *Exp Cell Res* 227, pp. 123-134, 1996.

Glassman, RH, Hempstead, BZL, Staiano-Coico, L, Steiner, MG, Hanafusa, H, and Birge, RB, "v-CRK, an effector of the nerve growth factor signaling pathway, delays apoptotic cell death in neurotrophin-deprived PC12 cells," *Cell Death & Differentiation* 4, pp. 82-93, 1997.

Desloge, RB, Carew, JF, Finstad, CL, Steiner, MG, Sassoon, J, Levenson, MJ, Staiano-Coico, L, Parisier, SC, and Albino, SC, "DNA Analysis of Human Cholesteatomas," *Am J Otolaryngology* 18, pp. 155-159, 1997.

Steiner, MG, Carew, JF, Huo, J, Hoda, SA, Kuhel, WI, Staiano-Coico, L, and Schley, WS, "Characterization of Novel Cell Lines from Pleomorphic Adenomas of the Parotid Gland Established in a Collagen Gel System," *Laryngoscope* 107, pp. 654-660, 1997.

Bander, NH, Yao, D, Liu, H, Chen, Y-T, Steiner, M, Zuccaro, W, and Moy, P, "MHC Class I and II Expression in Prostate Carcinoma and Modulation by Interferon-Alpha and -Gamma," *Prostate* 33, pp. 233-239, 1997.

Jinno, H, Steiner, MG, Mehta, RG, Osborne, MP, and Telang, NT, "Inhibition of Aberrant Proliferation and Induction of Apoptosis in HER-2/neu Oncogene Transformed Human Mammary Epithelial Cells by N-(4-Hydroxyphenyl)-Retinamide," *Carcinogenesis* 20, pp. 229 – 235, 1999.

Li F, Goncalves J, Faughnan K, Steiner MG, Pagan-Charry I, Esposito D, Chin B, Providence KM, Higgins PJ, Staiano-Coico L, "Targeted inhibition of wound-induced PAI-1 expression alters migration and differentiation in human epidermal keratinocytes." *Experimental Cell Research* 258, pp. 245 – 253, 2000.

Jinno, H, Steiner, MG, Nason-Burchenal, K, Osborne, MP and Telang, NT, "Preventive Efficacy of Receptor Class Selective Retinoids on HER-2/neu Oncogene Expressing Preneoplastic Human Mammary Epithelial Cells," *International Journal of Oncology* 21, pp. 127 – 134, 2002.