

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Hall, Carolyn Sue	POSITION TITLE Research Scientist		
eRA COMMONS USER NAME (credential, e.g., agency login) CSHALL			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Central Michigan University	B.S.	1981	Chemistry/Biology
Michigan State University	Ph.D.	2007	Physiology

A. Positions and Honors.

Positions and Employment:

2008- Research Scientist, Department of Surgical Oncology, MD Anderson Cancer Center
 1985- 2008 Research Assistant, Department of Physiology, Michigan State University, East Lansing, MI
 1982-1985 Medical Technologist, University of North Carolina University Hospital,
 Chapel Hill, NC

Honors/Awards:

1977-1981 Dow Corning Corporation Undergraduate Scholarship
 CMU Outstanding Undergraduate Scholarship
 2006- 2007 American Heart Association Predoctoral Fellowship:
"Role of Receptor Activity Modifying Protein 3 in ERK-mediated proliferation of mesangial cells"

Teaching experience:

Teaching assistant
 Human Physiology I [PSL 531] Michigan State University
 Physiology Lab [PSL 475], Michigan State University
 Human Physiology I [PSL 431], Michigan State University
 Human Physiology II (cardiovascular and renal sections) [PSL 432], Michigan State University

B. Selected peer-reviewed publications.

Hall C, Krishnamurthy S, Lodhi A, Mosalpuria K, Kuerer HM, Meric-Bernstam F, Bedrosian I, Hunt KK, and Lucci A. Disseminated Tumor Cells in Biologic Subtypes of Stage I-III Breast Cancer Patients. Ann Surg Onc. Epub 2010 Jun 18.

Savitri Krishnamurthy, Massimo Cristofanilli, Balraj Singh, James Reuben, Hui Gao, Evan N. Cohen, Eleni Andreopoulou, Carolyn S. Hall, Ashutosh Lodhi, Summer Jackson, and Anthony Lucci. Detection of minimal residual disease in blood and bone marrow in early stage breast cancer. Cancer Epub 5 May 2010.

Singh Cook KR, Vincent L, Hall CS, Martin C, and Lucci A. Role of COX-2 in Tumorspheres Derived from a Breast Cancer Cell Line, *e. J Surg Res.* Epub 2010 Mar 26.

B Singh, K.R. Cook, L. Vincent, C.S. Hall, J.A. Berry, A.S. Multani, and A. Lucci. Cyclooxygenase-2 induces genomic instability, BCL2 expression, doxorubicin resistance, and altered cancer-initiating cell phenotype in MCF7 breast cancer cells. *J Surg Res.* 2008 Jun 15;147(2):240-6.

J.E.Lang, C.S. Hall, B. Singh, and A. Lucci. Significance of Micrometastasis in the Bone Marrow and Blood of Operable Breast Cancer Patients: Research Tool or Ready for Clinical Application? *Expert Rev Anticancer Ther.* 2007 Oct;7(10):1463-72.

J.M. Bomberger, W.S. Spielman, C.S. Hall, E.J. Weinman, and N. Parameswaran. Receptor activity-modifying protein (RAMP) isoform-specific regulation of adrenomedullin receptor trafficking by NHERF-1. 2005, *Journal of Biological Chemistry*, 280(25): 23926-35.

J.M. Bomberger, N. Parameswaran, C.S. Hall, N. Aiyar, and W.S. Spielman. Novel function for receptor activity modifying proteins (RAMPs) in post-endocytic receptor trafficking. 2005, *Journal of Biological Chemistry*. 280(10):9297-307

N. Parameswaran, C.S. Hall, J. Bomberger, H.V.Sparks, D.B. Jump, and W.S. Spielman. Negative growth effects of ciglitazone on kidney mesangial cells and interstitial fibroblasts: role of PPAR- γ . 2003, *Kidney and Blood Pressure Research*, 26(1), 2-9.

N. Parameswaran, C.S. Hall, J. Bomberger, and W.S. Spielman. Regulation of adrenomedullin signaling in kidney interstitial fibroblasts. 2003, *Cellular Physiology and Biochemistry*, 13: 391-400.

N. Parameswaran, C.S. Hall, L. McCabe, and W.S. Spielman. Adrenomedullin increases AP-1 expression and activity in rat mesangial cells. 2003, *Cell Physiol Biochem*. 2003: 13(6): 367-74.

V. Nowak, N. Parameswaran, C.S. Hall, N. Aiyar, H.V. Sparks, and W.S. Spielman. A Novel Regulation of Adrenomedullin Receptor By PDGF In Mesangial Cells- Role Of Receptor Activity Modifying Protein-3. 2002. *American Journal of Physiology-Cell Physiology*, 282: C1322-C1331

N. Parameswaran, C.S. Hall, B.C. Bock, H.V. Sparks, K.A. Gallo, and W.S. Spielman. Mixed lineage kinase 3 inhibits phorbol myristoyl acetate-induced DNA synthesis but not osteopontin expression in rat mesangial cells. 2002, *Molecular and Cellular Biochemistry*, 241: 37-43

N. Parameswaran, C.S. Hall, B.C. Bock, H.V. Sparks, K.A. Gallo, and W.S. Spielman. Mixed lineage kinase 3 inhibits platelet-derived growth factor-stimulated DNA synthesis and matrix mRNA expression in mesangial cells. 2002, *Cellular Physiology and Biochemistry*, 12 (5-6): 325-334.

K.K. Hwang, C.S. Hall, W.S. Spielman, and H.V.Sparks. FK506 promotes adenosine release from endothelial cells via inhibition of adenosine kinase. 2001, *Eur J Pharmacol*. 425(2): 85-93.

N. Parameswaran, W. Nowak, C.S. Hall, H.V. Sparks, and W.S. Spielman. Cellular and molecular mechanisms of adrenomedullin actions in mesangial cells. 2001, *Peptides*, 22 (11): 1919-1924.

N. Parameswaran, P. Nambi, C.S. Hall, D.P. Brooks, and W.S. Spielman. Adrenomedullin decreases extracellular signal-regulated kinase activity through an increase in protein phosphatase-2A activity in mesangial cells. 2000, *European J of Pharmacology*, 388 (2): 133-8.

Program Director/Principal Investigator (Last, First, Middle):

M.W. Gorman, M.X. He, C.S. Hall, and H.V. Sparks. Inorganic phosphate as regulator of adenosine formation in isolated guinea pig hearts. 1997, Am J Physiol. 272(2 Pt 2): H913-20.

C. Research Support:

Current/Pending Research Support: None.

Completed Research Support

AHA Predoctoral Fellowship

01/01/2006 – 12/31/2007

Role of receptor activity modifying protein-3 in ERK-mediated proliferation of mesangial cells.

Role: PI