

## **Jane D. Smith, Ph.D.**

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### **EDUCATION**

2000-2009	M.D. (to be awarded)	Vanderbilt University School of Medicine Medical Scientist (M.D./Ph.D.) Training Program Nashville, TN
2007-2008	Postdoctoral Training	Department of Radiation Oncology Mentors: Dennis E. Hallahan, M.D. and Bo Lu, M.D., Ph.D. Vanderbilt University Medical Center, Nashville, TN
2002-2006	Ph.D.	Biochemistry Mentor: Jennifer A. Pietenpol, Ph.D. Vanderbilt University Medical Center, Nashville, TN
1996-2000	B.S.	Microbiology, <i>summa cum laude</i> University of Puerto Rico, Mayaguez, PR

### **HONORS AND AWARDS**

2006	Poster Presentation Award at the Vanderbilt-Ingram Cancer Center Retreat
2004	Basic Science Research Poster Presentation Award at the Vanderbilt Medical Center Annual Research Forum
2003	AACR Minority Scholar Award in Cancer Research
2001 - 2003	Hispanic Scholarship Fund Award
2000	College of Arts and Sciences Medal for Excellence, University of Puerto Rico
2000	Charles Darwin Department of Biology Medal for Excellence, University of Puerto Rico
1999	Tri Beta Biology Honor Society, University of Puerto Rico
1999	Phi Kappa Phi Honor Society, University of Puerto Rico
1999	Golden Key Honor Society, University of Puerto Rico
1998 - 2000	Minority Access to Research Careers (MARC) Honor Program, University of Puerto Rico

### **PROFESSIONAL ORGANIZATIONS**

Radiation Research Society (Member In Training)  
American Association for Cancer Research (Associate Member)

### **EXTRA-CURRICULAR EXPERIENCES**

2007-2009 *Member, Medical Scientist Training Program Student Advisory Committee, Vanderbilt University School of Medicine (Nashville, TN); led organ recital section in the student-organized 2008 service activity for grade school students*

- 2004-2006 *Student Member, Medical Scientist Training Program Faculty Advisory Committee, Vanderbilt University School of Medicine (Nashville, TN); participated in selection, interview, and ranking of MSTP applicants*
- 2002-2003 *Tutor, Medical School Biochemistry Course, Vanderbilt University School of Medicine (Nashville, TN); assisted first year medical students with questions regarding the Biochemistry course material*
- 2001-2002 *Instructor, Minority Medical Education Program, Robert Wood Johnson Foundation, Vanderbilt University School of Medicine (Nashville, TN); functioned as instructor for clinical immersion summer class for minority college students*

### **VOLUNTEER EXPERIENCE**

- 2002-2008 Translator (Spanish) and medical student volunteer at Siloam non-profit clinic (Nashville, TN)
- 2008 Medical student volunteer at student-run Shade Tree Clinic (Nashville, TN)

### **RESEARCH PUBLICATIONS**

**Smith, J.D.**, Chen, H., Jaboin, J., Wills, M., Courtney, R., Roberts, J.N., Cai, Q., and Lu, B. Association between EGFR polymorphism and freedom from recurrence in prostate cancer. *Journal of Clinical Oncology*. 2009. Manuscript under review.

**Smith, J.D.**, Fu, A., Tu, T., Onishko, H., Hallahan, D.E., and Geng, L. Radiation induces a protective immune antitumor response in mouse melanoma. *International Journal of Radiation Biology*. 2009. Manuscript accepted.

Hwang, M.\*, **Smith, J.D.** \*, Moretti, L. \*, and Lu, B. The mTOR signaling network: Insights from its role during embryonic development. *Current Medicinal Chemistry*. 2008. 15:1192-208. \***Equal contribution**

**Smith, J.D.**, Ott, J., Mays D.J., and Pietenpol, J.A. p63 consensus DNA binding site: Identification, analysis and application into a p63MH algorithm. *Oncogene*. 2007. 26:7363-70.

**Smith, J.D.** and Pietenpol J.A. Transcriptional programs regulated by p63 in normal epithelium and tumors. *Cell Cycle*. 2007. 6(3):246-54.

Barbieri, C.E., **Smith, J.D.**, Johnson, K.N., Ely, K.A., Billheimer, D., and Pietenpol, J.A. IGFBP-3 is a direct target of transcriptional regulation by  $\Delta$ Np63 $\alpha$  in squamous epithelium. *Cancer Research*. 2005. 65:2314-20.

### **RESEARCH PRESENTATIONS**

#### **Oral Presentation Abstracts:**

**Smith, J.D.**, Chen, H., Jaboin, J., Wills, M., Courtney R., Roberts, J.N., Cai Q., and Lu, B. (2008) ASTRO's 50th Annual Meeting, Boston, MA, September 21-25, 2008. Association between EGFR polymorphism and recurrence-free survival in prostate cancer.

**Smith, J.D.**, Rosenbluth, J., Pietenpol, J.A., and Lu, B. Radiation Research Society 54<sup>th</sup> Annual Meeting, Boston, MA, September 21-25, 2008. Radiosensitization of lung carcinoma through inhibition of Aurora Kinase B.

### **Poster Abstracts:**

Ling G., **Smith, J.D.**, Fu, A., Tu, T., Onishko, H., and Hallahan, D.E. (2007) American Society for Therapeutic Radiology and Oncology (ASTRO) 49<sup>th</sup> Annual Meeting, Los Angeles, CA, October 28-November 1, 2007. Calreticulin expression is a mechanism of radiation-induced immune response in cancer.

**Smith, J.D.**, Chung, C.H., Mays, D., and Pietenpol, J.A. (2006) Vanderbilt-Ingram Cancer Center Retreat: Inflammation and Cancer, Vanderbilt University School of Medicine, Nashville, TN, May 5, 2006. Mapping of p63 genomic binding sites and regulated transcriptional networks in glandular and stratified epithelium.

**Smith, J.D.** and Pietenpol, J.A. (2005) 20<sup>th</sup> Annual MD/PHD Student Conference, Keystone, CO, July 29-31, 2005. Characterizing the function of p63 in breast myoepithelial cells.

**Smith, J.D.** and Pietenpol, J.A. (2005) Era of Hope Department of Defense Breast Cancer Research Program Meeting, Philadelphia, PA, June 8-11, 2005. Regulation of gene expression by p63 in breast myoepithelial cells.

**Smith, J.D.**, Hearnese, J., Mays, D., and Pietenpol, J.A. (2004) Susan G. Komen Breast Cancer Foundation 7<sup>th</sup> Annual Mission Conference, New York, NY, June 27-29, 2004. p63 regulation of gene expression in the breast myoepithelium.

**Smith, J.D.** and Pietenpol, J.A. (2003) American Association for Cancer Research 94<sup>th</sup> Annual Meeting, Washington, D.C., July 11-14, 2003. p63 regulation of gene expression in the breast myoepithelium.

### **GRANTS AND FELLOWSHIPS**

- 2007-2008 Department of Health and Human Services Public Health Service Ruth L. Kirschstein National Research Service Award **Postdoctoral Fellowship** (CA093240-06)
- 2004-2007 Department of Defense Breast Cancer Research Program of the Office for Congressionally Directed Medical Research Program **Predocotrinal Traineeship Award** (W81XWH-04-1-0304)
- 2003-2004 The Susan G. Komen Breast Cancer Foundation **Dissertation Research Award** (DISS02201345)

### **OUTSIDE INTERESTS**

Latin American literature  
Running (*Country Music Half Marathon 2008 finisher*)  
Snorkeling, Scuba diving (*PADI<sup>(R)</sup> Open Water Diver certified*)  
Photography

