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EDUCATION:

Department of Pharmacology/Molecular Cancer Biology, Duke University — **Durham, NC**
Ph.D. in Pharmacology/Certificate in Toxicology (GPA: 3.6) — Aug. 2002 – Sept. 2007

Medical Technology Program, University of Nebraska-Medical Center — **Omaha, NE**
B.S. in Medical Technology with High Distinction (GPA: 3.891) — May 2001 – June 2002

Biological Health Sciences, Queen Margaret University College — **Edinburgh, UK**
Undergraduate Exchange Student — Sept. 2000 – May 2001

Pre-Clinical Laboratory Science Program, University of Nebraska-Lincoln — **Lincoln, NE**
Undergraduate — Aug. 1998 – May 2001

RESEARCH EXPERIENCE:

Department of Medicine/Oncology, Stanford University — **Stanford, CA**
Postdoctoral Fellow — Nov. 2007 – present
Mentor: Dean W. Felsher, MD/PhD

Department of Pharmacology/Molecular Cancer Biology, Duke University — **Durham, NC**
Postdoctoral Researcher — June 2007 – Nov. 2007
Mentor: Christopher M. Counter, PhD

Doctoral Candidate — May 2003 – June 2007
Advisor: Christopher M. Counter, PhD
Thesis: "Genetically Malleable Porcine and Murine Xenograft Models for the Study of Tumorigenesis and Metastasis"

Research Rotations — Aug. 2002 – May 2003
PI: Theodore Slotkin, PhD
Project: Characterized α7 nAChR and α4β2 nAChR expression in rat neurons after chlorpyrifos exposure
PI: Christopher M. Counter, PhD
Project: Examined the nucleolar to nuclear trafficking of hTERT
PI: Chris Newgard, PhD
Project: Created a GLP-1 adenovirus for use in insulin regulation studies

Department of Microbiology/Genetics, University of Nebraska-Lincoln — **Lincoln, NE**
Undergraduate Researcher — Feb. 2000 – Aug. 2000
Advisor: Paul Blum, PhD
Project*:* Obtained isolates of *E. coli* O157:H7 from water treatment plants for pathogenesis study

PROFESSIONAL EXPERIENCE:

Nebraska Health System — **Omaha, NE**
Clinical Microbiology Laboratory Assistant — May 2001 – June 2002

BioNebraska, Inc. — **Lincoln, NE**
Supervisor: Penny Wilcox — May 2000 – Aug. 2000
Summer Research Intern: Tested β-cell stimulation by novel recombinant peptides for diabetes treatment

TEACHING ASSISTANT EXPERIENCE:

Pharmacology in Society, Undergraduate, Duke University — **Durham, NC**
Professor: Nicole Kwiek, PhD — Jan. 2007 – May 2007

PUBLICATIONS:

1. Naini, S*, Etheridge, KT*, **Adam, SJ**, Qualman, SJ, Bentley, R, Counter, CM, and Linardic, CM. Genetic Modeling of Alveolar Rhabdomyosarcoma**.** *Can Res.* 2008; 68 9583-9588.
2. Abbas R, **Adam SJ**, Okadal S, Groar H, Anderson J, Sanabria J. Development of a swine model of secondary liver tumor from a genetically induced swine fibroblast cell line. *HPB* (Oxford). 2008; 10(3):204-10.

3. Schook, LB, Kuzmuk, KN, **Adam, SJ**, Rund, LA, Chen, K, Rogatcheva, R, Mazur, M, Pollack, C, and Counter, CM. DNA-based Animal Models of Human Disease: from Genotype to Phenotype. *Development of Biologicals*, *vol. 132*. 2008.
4. **Adam, SJ** and Counter, CM. A method to generate genetically defined tumors in pigs. *Methods Enzymol*. 2008; 439:39-51.
5. **Adam, SJ***, Rund, LA*, Kuzmuk, KN, Zachary, JF, Schook, LB, and Counter, CM. Genetic induction of tumorigenesis in Swine. *Oncogene*, 2007 Feb. 26(7): 1038-1045. (2006 Sep 11; [Epub ahead of print])
6. Lim, KH, O'Hayer, KM, **Adam, SJ**, Kendall, SD, Campbell, PM, Der, CJ, and Counter, CM. Divergent roles for RalA and RalB in malignant growth of human pancreatic carcinoma cells. *Curr Biol*. 2006 Dec 19; 16(24):2385-94.
7. Kendall, SD, **Adam, SJ**, and Counter, CM. Genetically engineered human cancer models utilizing mammalian transgene expression. *Cell Cycle*. 2006 May; 5(10):1074-9.
8. Kendall, SD*, Linardic, CM*, **Adam, SJ**, and Counter, CM. A network of genetic events sufficient to convert normal human cells to a tumorigenic state. *Cancer Res.,* 2005 Nov 1; 65(21): 9824-8.
9. Slotkin, TA, Southard, MC, **Adam, SJ**, Cousins, MM, and Seidler, FJ. α7 nicotinic acetylcholine receptors targeted by cholinergic neurotoxicants: nicotine and chlorpyrifos. *Brain Research Bulletin,* 64 (2004) 227–235.

CONFERENCE PRESENTATIONS AND PUBLISHED ABSTRACTS:

Genetically Induced Tumorigenesis in Swine. Invited Oral Presentation and Poster. St. Jude's National Graduate Student Symposium, Memphis, TN, 2007

Genetic Modeling of Alveolar Rhabdomyosarcoma. Abstract (Non-presenting author). Pediatric Academic Societies' Annual Meeting, Toronto, Canada, 2007

A Porcine Model for the Study of Tumorigenesis. Poster. International Society of Animal Genetics, Porto Seguro, Brazil, 2006

Genetically Induced Tumorigenesis in Swine. Oral Presentation. Duke Pharmacology and Molecular Cancer Biology Annual Retreat, Wilmington, NC, 2006

A Porcine Model for the Study of Tumorigenesis. Poster. American Association of Cancer Researchers Annual Conference, Washington, DC, 2006

A Porcine Tumorigenesis Model. Poster. Swine In Biomedical Research Conference, Chicago, IL, 2005

HONORS AND AWARDS:

Stanford Postdoctoral Tumor Biology Training Grant – 2007-2008 – CA09151
St. Jude's National Graduate Student Symposium Invitee – 2007
Department of Defense – Predoctoral Breast Cancer Training Fellowship Award – W81XWH-06-1-0437
"DEVELOPMENT OF A PORCINE LARGE ANIMAL CANCER MODEL FOR TESTING OF NOVEL CHEMOTHERAPEUTICS IN BREAST CANCER"
CERTIFICATION - MT (ASCP) Certification #215172
Alpha Tau Mu Fraternity Scholarship, U of Nebraska Medical Center - Omaha
Regents Scholarship, U of Nebraska-Lincoln/U of Nebraska - Medical Center
Kiewit Distinguished Scholarship, U of Nebraska-Lincoln/U of Nebraska - Medical Center
Alpha Lambda Delta (Honorary Academic Fraternity), U of Nebraska-Lincoln
Phi Eta Sigma (Honorary Academic Fraternity), U of Nebraska-Lincoln
Golden Key National Honor Society, U of Nebraska-Lincoln

REFERENCES:

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Xiao-Fan Wang, PhD	email: wang0011@mc.duke.edu
Donald McDonnell, PhD	email: donald.mcdonnell@duke.edu
Corinne M. Linardic, MD/PhD	email: linar001@mc.duke.edu