

Current Trainees



Aaron D. DenDekker

- **Dates of Appointment:** July 1, 2010 to present
- **Mentor:** David J. Samuelson, PhD
- **Graduate Program:** Biochemistry and Molecular Biology
- **Research Project:** Identification of candidate genetic elements in orthologous human and rat breast/mammary cancer susceptibility alleles



Lacey M. Litchfield

- **Dates of Appointment:** October 1, 2010 to present
- **Mentor:** Carolyn M. Klinge, Ph.D.
- **Graduate Program:** Biochemistry and Molecular Biology
- **Research Project:** Effect of endocrine disruptors, diesel exhaust particulate extracts, Fludioxonil, or mammary specific carcinogens, on COUP-TFII-nucleolin interaction and target gene expression in human breast cancer cells



Carmine S. Leggett

- **Dates of Appointment:** December 1, 2010 to present
- **Mentor:** David W. Hein, PhD
- **Graduate Program:** Pharmacology and Toxicology
- **Research Project:** Functional effects of CYP1A2, NAT1, and NAT2 genetic variants in nucleotide excision repair - deficient human fibroblasts: Implications for toxicological risk from environmental arylamines



Christopher L. Barton

- **Dates of Appointment:** July 1, 2011 to present
- **Mentor:** Kenneth E. Palmer, PhD
- **Graduate Program:** Pharmacology and Toxicology
- **Research Project:** Investigation into the pharmacology and toxicology of red algal lectin griffithsin



Robin H. Schmidt

- **Dates of Appointment:** July 1, 2011 to present
- **Mentor:** Gavin E. Arteel, PhD
- **Graduate Program:** Pharmacology and Toxicology
- **Research Project:** Sulforaphane prevention of acetaminophen-induced hepatic injury in mice



Veronica L. Massey

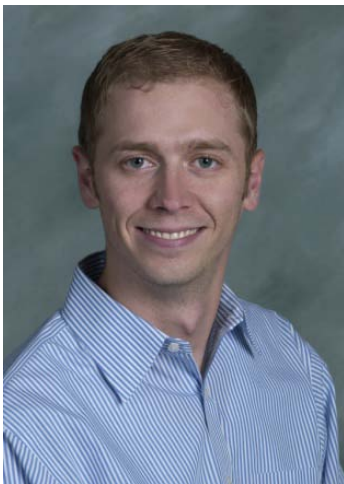
- **Dates of Appointment:** January 1, 2012 to present
- **Mentor:** Gavin E. Arteel, PhD
- **Graduate Program:** Pharmacology and Toxicology
- **Research Project:** ECM-integrin interaction in xenobiotic-induced organ damage

Program Graduates



Brian F. Clem, Ph.D.

- **Dates of Appointment:** July 1, 2004 to January 31, 2005
- **Mentor:** Barbara J. Clark, Ph.D.
- **Graduate Program:** Biochemistry & Molecular Biology
- **Dissertation Project:** Mechanisms of transcriptional regulation of the mouse steroidogenic acute regulatory (StAR) protein gene promoter



Kevyn E. Merten, Ph.D.

- **Dates of Appointment:** February 1, 2005 to December 31, 2006
- **Mentor:** Y. James Kang, Ph.D.
- **Graduate Program:** Pharmacology & Toxicology
- **Dissertation Project:** Effect of zinc on doxorubicin-induced activation of the calcineurin signaling pathway and the relation to myocardial cell death and hypertrophy



Jason M. Walraven, Ph.D.

- **Dates of Appointment:** July 1, 2004 to August 31, 2007
- **Mentor:** David W. Hein, Ph.D.
- **Graduate Program:** Pharmacology & Toxicology
- **Dissertation Project:** Computational and functional analyses of human and rat N-acetyltransferase genetic variants



Samuel C. McNeely, Ph.D.

- **Dates of Appointment:** July 1, 2004 to October 31, 2007
- **Mentor:** J. Christopher States, Ph.D.
- **Graduate Program:** Pharmacology & Toxicology
- **Dissertation Project:** Sensitivity to sodium arsenite depends on susceptibility to mitotic arrest-associated apoptosis



Krista A. Riggs, Ph.D.

- **Dates of Appointment:** July 1, 2004 to December 31, 2007
- **Mentor:** Carolyn M. Klinge, Ph.D.
- **Graduate Program:** Biochemistry & Molecular Biology
- **Dissertation Project:** Role of COUP-TFII in tamoxifen-resistant human breast cancer



Maia L. Green, Ph.D.

- **Dates of Appointment:** January 1, 2008 to June 30, 2009
- **Mentors:** Russell A. Prough PhD and Thomas B. Knudsen, PhD
- **Graduate Program:** Biochemistry and Molecular Biology
- **Dissertation Project:** Pharmacological Intervention of stress-induced release of p53 from the mitochondria



J. Philip Kaiser, PhD

- **Dates of Appointment:** September 1, 2007 to November 30, 2007*
- **Mentor:** Gavin E. Arteel, Ph.D.
- **Graduate Program:** Pharmacology & Toxicology
- **Dissertation Project:** The role of PKC-epsilon in models of alcohol- and toxin-induced liver disease
- *Recipient of individual NRSA fellowship F31-AA017346 effective December 1, 2007



Afsoon Mokhtar, PhD

- **Dates of Appointment:** July 1, 2009 to June 30, 2010
- **Mentor:** Ramesh C. Gupta, PhD
- **Graduate Program:** Pharmacology and Toxicology
- **Dissertation Project:** The influence of cigarette smoke on DNA damage and repair in human cervical and vaginal cells in vitro and ex vivo



Nicole A. Lavender, PhD

- **Dates of Appointment:** October 1, 2008 to September 30, 2010
- **Mentor:** La Creis R. Kidd, PhD
- **Graduate Program:** Pharmacology and Toxicology
- **Dissertation Project:** The role of genetic and environmental oxidative stress factors in prostate cancer



Gilandra K. Russell, Ph.D

- **Dates of Appointment:** January 1, 2007 to March 31, 2009
- **Mentor:** Ramesh C. Gupta, Ph.D.
- **Graduate Program:** Pharmacology & Toxicology
- **Dissertation Project:** Sustained systemic delivery of chemopreventive agents in inhibiting dibenzo[*a,h*]pyrene-induced DNA adducts in the lungs of A/J mice



Erica N. Rogers, Ph.D.

- **Dates of Appointment:** November 1, 2007 to April 30, 2008*
- **Mentor:** J. Christopher States, Ph.D.
- **Graduate Program:** Pharmacology & Toxicology
- **Dissertation Project:** The role of curcumin in response to BPDE-induced DNA damage in human lung epithelial cells
- *Recipient of individual NRSA fellowship F31-ES016719 effective May 1, 2008



Lindsey Jay Stallons, Ph.D

- **Dates of Appointment:** December 1, 2007 to November 30, 2010
- **Mentors:** W. Glenn McGregor, MD and J. Christopher States, PhD
- **Graduate Program:** Pharmacology & Toxicology
- **Dissertation Project:** DNA polymerase iota promotes G2/M checkpoint activation and genetic stability after UV-induced DNA damage



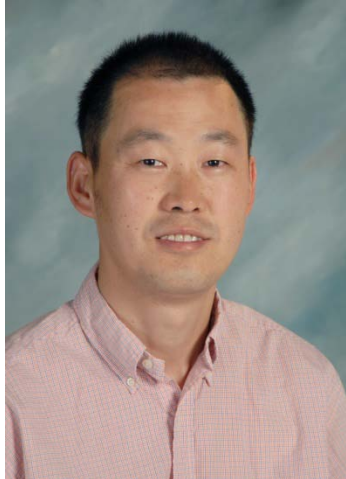
Lori M. Millner, Ph.D.

- **Dates of Appointment:** May 1, 2008 to September 30, 2008*
- **Mentor:** David W. Hein, PhD
- **Graduate Program:** Pharmacology and Toxicology
- **Dissertation Project:** Functional analysis of *N*-acetyltransferase (*NAT1*10* and *NAT1*14B*) in complete NATb and NATa mRNA
- *Recipient of individual United States Department of Defense predoctoral fellowship (BC083107) effective October 1, 2008



Katherine S. Bourcy, Ph.D.

- **Dates of Appointment:** July 1, 2009 to June 30, 2011
- **Mentor:** Y. James Kang, PhD
- **Graduate Program:** Pharmacology and Toxicology
- **Dissertation Project:** Mechanistic insights into copper-induced regression of heart hypertrophy



Pengxiao Cao, Ph.D.

- **Dates of Appointment:** August 1, 2010 to July 31, 2011
- **Mentor:** Ramesh C. Gupta, PhD
- **Graduate Program:** Pharmacology & Toxicology
- **Dissertation Project:** Prevention and treatment of lung cancer by green tea polyphenols



Stephanie A. Mathews, Ph.D.

- **Dates of Appointment:** July 1, 2009 to June 30, 2011
- **Mentors:** Shirish Barve, PhD and Craig J. McClain, MD
- **Graduate Program:** Pharmacology and Toxicology
- **Dissertation Project:** Role of HDACS and SAM in Interferon-alpha signaling and epigenetic regulation of anti-HCV gene expression



Lorena L. Canales

- **Dates of Appointment:** August 1, 2011 to December 31, 2011*
- **Mentor:** Rachel E. Neal, Ph.D.
- **Graduate Program:** Environmental and Occupational Health Sciences
- **Research Project:** Impact of maternal diet on prenatal bisphenol A-induced metabolic syndrome

*Left Louisville and the Environmental and Occupational Health Sciences graduate program for family reasons.



Mary Catherine Chan, Ph.D.

- **Dates of Appointment:** July 1, 2009 to July 31, 2010*
- **Mentor:** David J. Tollerud, MD, MPH
- **Graduate Program:** Environmental and Occupational Health Sciences
- **Research Project:** Building a dynamic model linking potential mercury regulations to risk to susceptible populations
- Recipient of individual EPA STAR predoctoral fellowship (FP-91711701-0) effective August 1, 2010.