

CURRICULUM VITAE

Philip M. Cox

January 27, 2017

Educational History:

Ph.D.	2016	Program in Pharmacology	Johns Hopkins University School of Medicine
			Mentor: Namandjé N. Bumpus, Ph.D.
B.S.	2010	Biology-Chemistry	Southern Nazarene University

Professional Experience

Assistant Professor	2017 -	Azusa Pacific University, Azusa, CA
		Department of Biology and Chemistry
Graduate Student	2012-2016	Lab of Namandje Bumpus, Ph.D.
		Johns Hopkins University School of Medicine, Baltimore, MD
Research Technician	2010-2012	Lab of Darise Farris, Ph.D.
		Oklahoma Medical Research Foundation, OKC, OK
Summer Student	2009	Lab of Kenneth Kaye, Ph.D.
		Harvard Medical School, Boston, MA
Summer Student	2008	Lab of John Iandolo, Ph.D.
		University of Oklahoma Health Sciences Center, OKC, OK
Summer Student	2007	Lab of Swapan Nath, Ph.D.
		Oklahoma Medical Research Foundation, OKC, OK

External Funding:

National Science Foundation Graduate Research Fellowship, September 2013-December 2016

Peer-Reviewed Publications:

Cox PM, Bumpus NN. (2016) Single Heteroatom Substitutions in the Efavirenz Oxazinone Ring Impact Metabolism by CYP2B6. *ChemMedChem*. doi:10.1002/cmdc.201600519

Cox PM, Bumpus NN. (2014) Structure-Activity Studies Reveal the Oxazinone Ring Is a Determinant of Cytochrome P450 2B6 Activity Toward Efavirenz. *ACS Med Chem Lett*. 10:1156-1161. PMID: PMC4191608

Dumas EK, Nguyen ML, Cox PM, Rodgers H, Peterson JL, James JA, Farris AD. (2013) Stochastic humoral immunity to Bacillus anthracis protective antigen: identification of anti-peptide IgG correlating with seroconversion to Lethal Toxin neutralization. *Vaccine*. 14:1856-63. PMID: PMC3614092

Garman L, Dumas EK, Kurella S, Hunt JJ, Crowe SR, Nguyen ML, Cox PM, James JA, Farris AD. (2012) MHC class II and non-MHC class II genes differentially influence humoral immunity to Bacillus anthracis lethal factor and protective antigen. *Toxins (Basel)*. 12:1451-67. PMID: PMC3528256

Dumas EK*, Cox PM*, Fullenwider CO, Nguyen M, Centola M, Frank MB, Dozmorov I, James JA, Farris AD. (2011) Anthrax lethal toxin-induced gene expression changes in mouse lung. *Toxins (Basel)*. 9:1111-30. (*Indicates co-first authors) PMID: PMC3202878

Selected Presentations:

Cox PM, Bumpus NN. (2016) Single Atom Substitutions In the Efavirenz Oxazinone Ring Have Marked Impacts on Kinetics of Metabolism by CYP2B6. Conference on Microsomes and Drug Oxidation, Davis, CA, October 3, 2016.

Cox PM, Bumpus NN. (2015) Use of Efavirenz Analogues to Probe CYP2B6 Substrate Specificity. JHMI Pharmacology Department Retreat, Baltimore, MD, October 17, 2015.

Cox PM, Bumpus NN. (2014) Use of Efavirenz Analogues to Probe CYP2B6 Substrate Specificity. JHMI Pharmacology Department Retreat, Baltimore, MD, September 20, 2014.

Cox PM, Bumpus NN. (2014) Use of Efavirenz Analogues to Probe CYP2B6 Substrate Specificity. Conference on Microsomes and Drug Oxidation, Stuttgart, Germany, May 20, 2014.

Cox PM, Bumpus NN. (2013) Use of Efavirenz Analogues to Probe CYP2B6 Substrate Specificity. International Society for the Study of Xenobiotics, Toronto, Canada, September 30, 2013.

Service and Leadership:

2014-2016 Faith and Film Ministry Leader, Mount Vernon Place United Methodist Church

2012-2016 Lay Leader, Mount Vernon Place United Methodist Church

2012-2015 Habitat for Humanity of the Chesapeake Volunteer

Professional Affiliations:

2016 - American Society for Pharmacology and Experimental Therapeutics

2016 - Association for Biology Laboratory Education