

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 Jan Michael Williams, Ph.D.	POSITION TITLE Assistant Professor		
eRA COMMONS USER NAME			
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
Georgia Southern University, Statesboro, GA	B.S.	1995-1999	Chemistry
Medical College of Georgia, Augusta, GA	Ph.D.	2000-2005	Physiology
Medical College of Wisconsin, Milwaukee, WI	Postdoc	2005-2009	Physiology
Medical College of Wisconsin, Milwaukee, WI	Asst. Prof.	2009-pres	Physiology

RESEARCH AND PROFESSIONAL EXPERIENCE

2000-2005 Graduate Research Assistant, Medical College Georgia, Augusta, GA
2005-2009 Postdoctoral Fellow, Medical College of Wisconsin, Milwaukee, WI
2009 Assistant Professor, Physiology, Medical College of Wisconsin, Milwaukee, WI
2009-present Assistant Professor, Pharmacology & Toxicology, University of Mississippi Medical Center, Jackson, MS

AWARDS AND PROFESSIONAL ACTIVITIES

Societies: AHA/ASA Professional Member, American Physiological Society Member
Awards: Forest Pharmaceutical New Investigator Travel Award-Cardiovascular-Renal Meeting 2008, Kidney Council New Investigator Award-High Blood Pressure Research Conference 2008, FASEB Young Investigator Award-FASEB Summer Conference 2007, FASEB MARC Travel Award-FASEB Summer Conference 2007, UNCF Merck Postdoctoral Fellowship Award 2006, The American Physiological Society Minority Travel Fellowship Award-Experimental Biology 2005, Award of Excellence in Physiology at the Medical College of Georgia-Graduate Research Day 2004, American Physiological Society Water and Electrolyte Award-Experimental Biology 2003, The American Physiological Society Minority Travel Fellowship Award-Experimental Biology 2003, Award of Excellence in Physiology at the Medical College of Georgia-Graduate Research Day 2002, The American Physiological Society Minority Travel Fellowship Award-Experimental Biology 2002

PUBLICATIONS

- Williams JM**, Sarkis A, Hoagland KM, Fredrich K, Moreno C, Lopez B, Lazar J, Fenoy FJ, Sharma M, Garrett MR, Jacob HJ, and Roman RJ. Transfer of the CYP4A region of chromosome 5 from Lewis to Dahl S rats attenuates renal injury. *Am J Physiol Renal Physiol.* 2008 Oct. 8 (in press).
- Williams JM**, Sharma M, Anjaiah S, Falck JR, and Roman RJ. Role of Endogenous CYP450 Metabolites of Arachidonic Acid in Maintaining the Glomerular Protein Permeability Barrier. *Am J Physiol Renal Physiol.* 2007 Aug;293(2):F501-5.
- Williams JM**, Sarkis A, Lopez B, Ryan RP, Flasch AK, and Roman RJ. Elevations in Renal Interstitial Hydrostatic Pressure and 20-HETE Contribute to Pressure Natriuresis. *Hypertension.* 2007. Mar;49:687-94.

4. Elmarakby AA, **Williams JM**, Imig JD, Pollock JS, and Pollock DM. Synergistic actions of enalapril and tempol during chronic angiotensin II-induced Hypertension. *Vascul Pharmacol*. 2007 Feb;46(2):144-51.
5. **Williams JM** and Pollock DM. Renal Endothelin. In: *Handbook of Biologically Active Peptides*, A.J. Kastin, Editor. Elsevier, San Diego, 2006.
6. **Williams JM** and Pollock DM. Contribution of TP Receptors to the Pressor and Intrarenal Hemodynamic Response to ET-1. *Clin Exp Pharmacol Physiol*. 2006 Mar;33(3):253-7.
7. **Williams JM**, Zhao X, Wang MH, Imig JD, and Pollock DM. PPAR-alpha Activation During Chronic ETB Receptor Blockade. *Hypertension*. 2005;46:366-371.
8. **Williams JM**, Pollock JS, and Pollock DM. Arterial Pressure Response to the Antioxidant, Tempol, and ETB Receptor Blockade in Rats on a High Salt Diet. *Hypertension*. 2004;44:1-6.
9. Wingard CJ, Husain S, **Williams J**, and James S. RhoA-Rho kinase mediates synergistic ET-1 and phenylephrine contraction of rat corpus cavernosum. *Am J Physiol Regul Integr Comp Physiol*. 2003 Nov;285(5):R1145-52
10. Elmarakby AA, **Williams JM**, and Pollock DM. Targeting sources of superoxide and increasing nitric oxide bioavailability in hypertension. *Curr Opin Investig Drugs*. 2003 Mar;4(3):282-90. Review.

GRANT SUPPORT

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|-----------|--|
| 2006-2009 | National Institutes of Health NHLBI Research Supplement Grant to Promote Diversity in Health-Related Research. |
| 2006-2008 | UNCF Merck Postdoctoral Science Research Fellowship. 20-HETE and TGF- β in Hypertension-Induced Renal Injury. |
| 2004-2005 | National Institutes of Health NHLBI NRSA Predoctoral Fellowship. The Contributions of Oxidative Stress and TP-R activation in Salt-Sensitive Hypertension. |
| 2002-2004 | American Heart Association Predoctoral Fellowship. Effects of Oxidative Stress on Sodium Balance. |