

# Water Balance, Temperature, and Blood Pressure Regulation



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## Education:

Wright State University: B.S. in Biology.  
Indiana University, Ph.D. in Medical Physiology  
University of Florida, Postdoctoral Research

**Areas of expertise:** Medical Physiology,  
Environmental Physiology, Thirst

**Grants:** Merck/AAAS Undergraduate Science Research Program and Howard Hughes Medical Institute Undergraduate Science Education Program

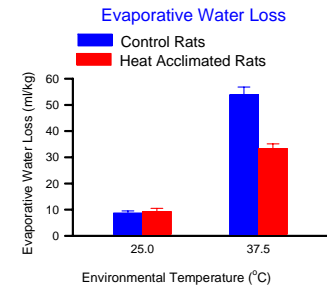
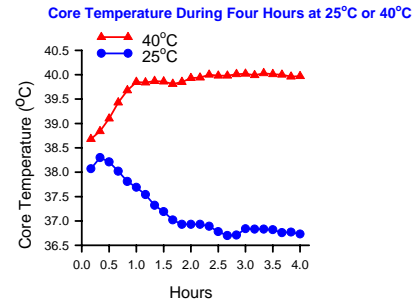
## Key Publications and Presentations:

Gayheart\*, K. and **C. C. Barney**. 2005. Endogenous angiotensin II does not regulate oxygen consumption and core temperature in rats. *FASEB J.*, 19:A1194.

**Barney, C. C.**, D. M. Kurylo\*, and J. L. Grobe\*. 2003. Thermal dehydration-induced thirst in lithium-treated rats. *Pharmacol. Biochem. Behav.* 75:341-347.

**Barney, C. C.**, G. L. Smith\*, and M. M. Folkerts\*. 1999. Thermal dehydration-induced thirst in spontaneously hypertensive rats. *Am. J. Physiol.* 276: R1303-R1310.

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## Heart Rate Responses to Infusion of Angiotensin II

