
BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Stocker, Sean D.		POSITION TITLE Assistant Professor of Physiology	
eRA COMMONS USER NAME Stocker			
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)
Allegheny College – Meadville, PA		B.S.	1993-1997
University of Pittsburgh – Pittsburgh, PA		Ph.D.	1997-2002
University of Texas HSC – San Antonio, TX		Postdoctoral	2002-2005
			FIELD OF STUDY
			Biology & Psychology
			Neuroscience
			Physiology

A. POSITIONS AND HONORS

Positions and Employment

1997-2002	Graduate Student, Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA
2002-2005	Postdoctoral Fellow, Department of Physiology University of Texas Health Science Center, San Antonio, TX
2005-Present	Assistant Professor, Department of Physiology, University of Kentucky College of Medicine, Lexington, KY
2006-Present	Cardiovascular Research Training Faculty, University of Kentucky
2006-Present	Associate Faculty - Linda & Jack Gill Heart Cardiovascular Research Institute

Other Experience

2003-2006	American Physiological Society Water & Electrolyte Section Steering Committee
2003-2006	American Physiological Society Trainee Advisory Committee
2005	American Physiological Society Strategic Planning Meeting
2005-2007	Advisory Board Member – NIH/NIGMS Grant for the American Physiological Society Entitled “Professional Skills for Minority Students in Biomedicine: Interactive and Online Development Tools”
2006-2007	American Physiological Society Strategic Planning Task Force
2007	American Heart Association Peer Review Committee 3B, Southeast Consortium
2007-Present	American Physiological Society Conference Committee
2007-Present	American Physiological Society Central Nervous System Steering Committee
2007-Present	American Heart Association Peer Review Committee, National Program Vascular Biology and Blood Pressure Regulation I
2008-Present	American Heart Association Peer Review Committee, Region 1, Cardiac Biology 2

Professional Memberships

1998-Present	American Physiological Society (member)
2002-Present	American Heart Association – High Blood Pressure Council (member)
2003-Present	Society for Neuroscience (member)

Honors

1993-1997	Presidential Scholar, Allegheny College
1994-1997	Alden Scholar, Allegheny College
1996	Distinguished Alden Scholar, Allegheny College
1996	Glenn W. Thompson Psychology Award, Allegheny College
1997	Guy Emerson Buckingham Psychology Award, Allegheny College
2000	Caroline tum Suden/Frances Hellebrandt Professional Opportunity Award
2001	American Physiological Society Water & Electrolyte Research Recognition Award
2001	Society for the Study of Ingestive Behavior New Investigator Award
2002	Society for Experimental Biology & Medicine Travel Grant
2002	American Physiological Society Water & Electrolyte Research Recognition Award
2003	American Physiological Society Water & Electrolyte Research Recognition Award
2003	Barbara H. Bowman Postdoctoral Award, University of Texas Health Science Center
2004	Caroline tum Suden/Frances Hellebrandt Professional Opportunity Award
2004	American Physiological Society Central Nervous System Research Award
2005	American Physiological Society Neural Control & Autonomic Regulation Section - Michael J. Brody Young Investigator Award
2006-2007	University of Kentucky Wethington Award
2007	American Heart Association Council for High Blood Pressure Research Harry Goldblatt New Investigator Award

B. SELECTED PEER REVIEW PUBLICATIONS (IN CHRONOLOGICAL ORDER):

1. Rossiter CD, Hayden NL, **STOCKER SD**, and Yates BJ. Changes in outflow to respiratory pump muscles produced by natural vestibular stimulation. *J Neurophysiol* 76(5): 3274-3284, 1996.
2. **STOCKER SD**, Steinbacher BS, Balaban CD, and Yates BJ. Connections of the caudal ventrolateral medullary reticular formation (CVLM) in the cat brainstem. *Exp Brain Res* 116: 270-282, 1997.
3. Yates BJ and **STOCKER SD**. Integration of somatic and visceral inputs by the brainstem: Functional considerations. *Exp Brain Res* 119(3): 269-275, 1998.
4. Yates BJ, Smail JA, **STOCKER SD**, and Card JP. Transneuronal tracing of neural pathways controlling activity of diaphragm motoneurons in the ferret. *Neurosci* 90(4): 1501-1513, 1999.
5. **STOCKER SD**, Sved AF, and Stricker EM. Role of renin-angiotensin system in hypotension-evoked thirst: studies with hydralazine. *Am J Physiol Regul Integr Comp Physiol* 279 (2): R576-R585, 2000.
6. **STOCKER SD**, Stricker EM, and Sved AF. Acute hypertension inhibits thirst stimulated by angiotensin II, hyperosmolality, and hypovolemia. *Am J Physiol Regul Integr Comp Physiol* 280 (1): R214-R224, 2001.
7. Sved AF, Ito S, Madden CJ, **STOCKER SD**, and Yajima Y. Excitatory inputs to the RVLM in the context of the baroreceptor reflex. *Ann N Y Acad Sci*: 940, 247-258, 2001.
8. **STOCKER SD**, Stricker EM, and Sved AF. Arterial baroreceptors mediate the inhibitory effect of acute hypertension on thirst. *Am J Physiol Regul Integr Comp Physiol* 282: R1718-R1729, 2002.

9. Toney GM, Chen QH, Cato MJ, and **STOCKER SD**. Central osmotic regulation of sympathetic nerve activity. *Acta Physiol Scand* 177: 43-55, 2003.
10. **STOCKER SD**, Smith CA, Kimbrough CM, Stricker EM, and Sved AF. Elevated dietary salt suppresses renin release but not thirst evoked by arterial hypotension. *Am J Physiol Regul Integr Comp Physiol* 284 (6): R1521-1528, 2003.
11. **STOCKER SD**, Muldoon MF, and Sved AF. Inverse relationship between fenfluramine-evoked prolactin secretion and hypertension in rats. *Hypertension* 42(2): 719-724, 2003.
12. **STOCKER SD**, Keith KJ, and Toney GM. Acute inhibition of the hypothalamic paraventricular nucleus decreases renal sympathetic nerve activity and arterial blood pressure in water-deprived rats. *Am J Physiol Regul Integr Comp Physiol* 286 (4): R719-R725, 2004
13. **STOCKER SD**, Schiltz JC, and Sved AF. Acute hypertension does not inhibit vasopressin secretion stimulated by angiotensin II or hyperosmolality in rats. *Am J Physiol Regul Integr Comp Physiol* 287 (1):R127-R37, 2004.
14. **STOCKER SD**, Cunningham J.T., and Toney G.M. Water deprivation increases Fos immunoreactivity in PVN autonomic neurons with identified projections to the spinal cord and rostral ventrolateral medulla. *Am J Physiol Regul Integr Comp Physiol* 287: R1172-R1183, 2004.
15. **STOCKER SD**, Hunwick KJ, and Toney GM. Hypothalamic paraventricular nucleus differentially supports lumbar and renal sympathetic outflow in water-deprived rats. *J Physiol*, 563: 249-263, 2005.
16. **STOCKER SD** and Toney GM. Median preoptic neurons projecting to the hypothalamic paraventricular nucleus respond to peripheral angiotensin II, osmotic, and baroreceptor input. *J Physiol*, 568: 599-615, 2005.
17. **STOCKER SD**, Simmons JR, Stornetta RL, Toney GM, and Guyenet PG. Water deprivation activates a glutamatergic projection from the hypothalamic paraventricular nucleus to the rostral ventrolateral medulla. *J Comp Neurol*, 494(4): 673-685, 2006.
18. **STOCKER SD**, Wilson ME, Madden CJ, Lone U, and Sved AF. Intravenous 6-hydroxydopamine attenuates vasopressin and oxytocin secretion stimulated by hemorrhage and hypotension but not hyperosmolality. *Am J Physiol Regul Integr Comp Physiol*, 291(1): R59-R67, 2006.
19. Madden CJ, **STOCKER SD**, and Sved AF. Homeostatic responses to hypotension and glucodeprivation are attenuated following selective destruction of the C1-catecholaminergic cell population of the rostral ventrolateral medulla (RVLM) in rats. *Am J Physiol Regul Integr Comp Physiol*, 291(3): R751-R759, 2006.
20. **STOCKER SD** and Toney GM. Vagal afferent input alters the discharge of osmotic and ANG II-responsive median preoptic neurons projecting to the hypothalamic paraventricular nucleus. *Brain Research*, 1131(1): 118-128, 2007.
21. **STOCKER SD**, Meador R, and Adams JM. Neurons of the rostral ventrolateral medulla contribute to diet-induced obesity hypertension in rats. *Hypertension*, 49(3): 640-646, 2007.
22. Adams JM, Madden CJ, Sved AF, and **STOCKER SD**. Increased dietary salt enhances both sympathoexcitatory and sympathoinhibitory responses evoked from the rostral ventrolateral medulla. *Hypertension*, 50(2): 354-359, 2007.

