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eISSN: 1522-1563

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American Journal of Physiology REGULATORY, INTEGRATIVE AND COMPARATIVE PHYSIOLOGY®



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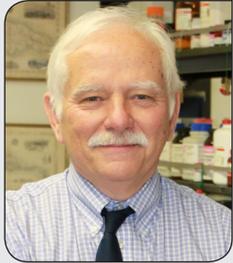
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A journal of the
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Editorship

Editor-in-Chief: Willis Samson, PhD, DSc



Dr. Willis K. Samson majored in Chemistry at Duke University and received his PhD in Physiology at UT Southwestern. His group studies the actions of peptides in the central control of cardiovascular function, stress hormone secretion, and fluid and electrolyte homeostasis. In 1999, Dr. Samson assumed his current position as Professor and Director of Graduate Programs in the Biomedical

Sciences at Saint Louis University. At SLU, he and his colleague, Dr. Gina Yosten, employ a bioinformatics approach to discover novel peptide hormones. They then use *in vitro* and *in vivo* model systems to characterize their biological activities, and a Deductive Reasoning Strategy to “pair” these ligands to known, orphan G protein-coupled receptors.

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The American Journal of Physiology—Regulatory, Integrative and Comparative Physiology publishes original investigations that illuminate normal or abnormal regulation and integration of physiological mechanisms at all levels of biological organization, ranging from molecules to humans, including clinical investigations. Major areas of emphasis include regulation in genetically modified animals; model organisms and comparative functional genomics; development and tissue plasticity; neurohumoral control of circulation and hypertension; local control of circulation; cardiac and renal integration; thirst and volume, electrolyte homeostasis; appetite and obesity, and inflammation and cytokines.

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