

**Research where Osmotic Pumps were Used  
American Physiology Summit, Minneapolis, MN**

**Friday April 24th 4:30 – 7:00 pm**

**RAAS-related Sex Differences in the Skin**

Poster Session #: POS-EEP-003, Poster Board #: F211

Presenter: Kelsey Bullens, University of Kentucky College of Medicine, Department of Physiology

**Central miR-410-3p expression sex-dependently attenuates cardiometabolic dysfunction**

Poster Session #: POS-NCAR-001, Poster Board #: F273

Presenter: Ayushi Patel, Louisiana State University Health Sciences Center – New Orleans

**AngII-Salt Hypertension and the Role of the OVLN1-Sympathetic-Gut Microbiome Axis**

Poster Session #: POS-NCAR-005, Poster Board #: F324

Presenter: Mariana R Lauer, University of Minnesota, Department of Surgery, Medical School

**Ablation of Angiotensin II Type 1 Receptors in Cholinergic Neurons Alters Autonomic Tone**

Poster Session #: POS-NCAR-005, Poster Board #: F330

Presenter: Mina Ghobrial, Medical College of Wisconsin

**Intrarenal Medullary Infusion of an Acid Ceramidase Inhibitor Suppresses Sodium Excretion and Promotes Sodium Retention in Mice**

Poster Session #: POS-WEH-002, Poster Board #: F407

Presenter: Weili Wang, Virginia Commonwealth University

**The role of angiotensin II and FGF interplay in VSMC plasticity in HFpEF**

Poster Session #: POS-CVS-001, Poster Board #: F420

Presenter: Dzmitry Matushkevich, Washington University School of Medicine

**Metabolic Remodeling–Driven Dicarboxyl Stress Impairs Mitochondrial Function in Angiotensin II/Phenylephrine-induced Heart Failure with Preserved Ejection Fraction Phenotype**

Poster Session #: POS-CVS-001, Poster Board #: F421

Presenter: Ankit Aryal, Louisiana State University Health Sciences Center

**Colchicine Anti-Inflammatory Treatment Restores Normal Carotid Body Function and Improve Cardiac Function in HFpEF**

Poster Session #: POS-TPIG-001, Poster Board #: F621

Presenter: Katherin Pereyra, Pontificia Universidad Catolica de Chile

**Premenopausal female protection from angiotensin II-induced hypertension is eliminated with the loss of calprotectin**

Poster Session #: POS-RENAL-001, Poster Board #: F645

Presenter: Katherinne Mantilla, Tulane University School of Medicine, Department of Physiology

**Betacellulin and EGF decrease urine concentrating ability in epidermal growth factor (EGF) knockout mice**

Poster Session #: POS-RENAL-001, Poster Board #: F668

Presenter: Richard Bouley, Massachusetts General Brigham Hospital

**GPER agonist G1 attenuates hypertension and reductions in hepatic tissue oxygenation in ovariectomized female rats exposed to chronic intermittent hypoxia**

Poster Session #: POS-GIL-007, Poster Board #: F755

Presenter: Jackson Watson, Des Moines University Medicine and Health Sciences

**Research where Osmotic Pumps were Used**  
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**Saturday April 25<sup>th</sup> 4:30 – 7:00 pm**

**GPER agonist G1 attenuates hypertension, renal hemodynamic dysregulation, and reductions in tissue oxygenation in ovariectomized rats conditioned with chronic intermittent hypoxia**

Poster Session #: POS-SGRIG-001, Poster Board #: S102

Presenter: Júlia Lombardi Labegaline, Des Moines University Medicine and Health Sciences

**Influence of Ovarian Hormones on Exertional Heat Stroke in Mice**

Poster Session #: POS-EEP-007, Poster Board #: S288

Presenter: Michele Moraes, University of Florida

**Central delivery of an acetylcholinesterase inhibitor reverses cardio-renal pathology in lupus mice**

Poster Session #: POS-NCAR-009, Poster Board #: S379

Presenter: Paromita Das-Earl, University of Texas Southwestern Medical Center

**Angiotensin II stimulates cardiac sympathetic denervation via p75NTR**

Poster Session #: POS-NCAR-014, Poster Board #: S408

Presenter: Annika Nichols, George Fox University

**Effects of Angiotensin II on sympathetic nerves in the kidneys**

Poster Session #: POS-NCAR-014, Poster Board #: S410

Presenter: Spencer Pardee, Taylor University

**Chemo- and radiotherapy promote cerebrovascular pathology in a preclinical model of pediatric medulloblastoma**

Poster Session #: POS-CNS-013, Poster Board #: S440

Presenter: Dorina Nagy, OUHSC

**Angiotensin-(1-7) improves learning and memory in aged mice**

Poster Session #: POS-CNS-018, Poster Board #: S469

Presenter: Jordan Tanner, Penn State College of Medicine

**Immune training by angiotensin II exhibits sex-specific responses**

Poster Session #: POS-WEH-006, Poster Board #: S499

Presenter: Emma Hope, Vanderbilt University, Department of Pathology, Microbiology, and Immunology

**Time of day of CXCR2 stimulation drives Ang II-induced hypertension**

Poster Session #: POS-WEH-006, Poster Board #: S504

Presenter: Lance Benson, The University of Arkansas for Medical Sciences

**Alamandine Restores Mitochondrial Functions in the Aging Brain Microvasculature**

Poster Session #: POS-CVS-014, Poster Board #: S526

Presenter: Henryata Eileen Rozario, North Dakota State University

**Preeclampsia Model of Gestational Hyperleptinemia Shows Male-Specific Circadian Dysregulation and Increased Blood Pressure Variability**

Poster Session #: POS-CVS-015, Poster Board #: S557

Presenter: Mona Elgazzaz, August University

**Brain Leptin Receptor Activation Promotes Cardiac Repair via Brown Adipocyte Extracellular Vesicles After Ischemia/Reperfusion Injury**

Poster Session #: POS-CVS-018, Poster Board #: S584

Presenter: Ana Carolina Mieko M. Omoto, University of Mississippi Medical Center, Department of Physiology and Biophysics

**The influence of the apeline-13 on apoptosis in rat model of doxorubicin-induced cardiotoxicity**

Poster Session #: POS-CVS-018, Poster Board #: S591

Presenter: Agnieszka Cudnoch Jedrzejewska, Medical University of Warsaw

**Loss of calprotectin impairs female protection from angiotensin II-induced hypertension, cardiac hypertrophy and vascular contractility**

Poster Session #: POS-CVS-022, Poster Board #: S648

Presenter: Kayla Nist, Tulane University School of Medicine, Department of Physiology

**Interleukin-17 mediates kidney endothelial dysfunction and contributes to diabetic kidney disease**

Poster Session #: POS-RENAL-002, Poster Board #: S667

Presenter: Mariela Mendez, Wayne State University

**Sex-specific kinetics of renal innate immune cell infiltration during angiotensin II-induced hypertension**

Poster Session #: POS-RENAL-002, Poster Board #: S706

Presenter: Erica Deluane, Tulane University School of Medicine, Department of Physiology

**Renal Hemodynamic and Blood Pressure Effects of the Glutamate Receptor GluN2C in Liddle Syndrome**

Poster Session #: POS-RENAL-002, Poster Board #: S707

Presenter: Cesar Romero, Emory University School of Medicine

**Deletion of intratubular renin-angiotensin system selectively in the proximal tubules alters renal cortical and medullary blood flows in angiotensin II-induced hypertensive mice**

Poster Session #: POS-RENAL-002, Poster Board #: S708

Presenter: Zhangli Yuan, Tulane University School of Medicine