

**Research where Osmotic Pumps were Used
American Physiology Summit, Baltimore, MD
Friday April 25th**

Friday April 25th 5:15 – 6:05pm

The Enhancement of a Serotonin-Mediated Reduction in Blood Pressure by a Diuretic: An Effective Anti-Hypertensive Combination

Poster Session #: POS-CVS-001, Abstract #: A-1950, Poster Board #: F555

Presenter: Rachel Kram, Dept. of Pharmacology and Toxicology, Michigan State

Direct Role of Endothelin B Receptors on Renal Afferent Nerves on Blood Pressure Control

Poster Session #: POS-CVS-003, Abstract #: A-1604, Poster Board #: F565

Presenter: Nathan Bradford, University of Alabama at Birmingham

Reduction in Blood Pressure Observed in Hypertensive Dahl Salt-Sensitive Rats After Cotreatment with Ivabradine and Spironolactone Coincides with Myocardial Inflammation

Poster Session #: POS-CVS-003, Abstract #: A-0189, Poster Board #: F583

Presenter: Eduard I Dedkov, Cooper Medical School of Rowan University

soluble FMS-like tyrosine kinase-1 induces vascular dysfunction and increases leptin production in both human placentas and mice

Poster Session #: POS-CVS-006, Abstract #: A-0258, Poster Board #: F615

Presenter: Mona Elgazzaz, Augusta University

Cardiac remodeling in chronic hypertension during murine pregnancy

Poster Session #: POS-CVS-006, Abstract #: A-0296, Poster Board #: F631

Presenter: Elnaz Ghajar-Rahimi, Purdue University

Filtration or perspiration? RAAS may also alter transport processes in eccrine sweat glands

Poster Session #: POS-EEP-005, Abstract #: A-0710, Poster Board #: F273

Presenter: Kelsey Bullens, University of Kentucky College of Medicine

The Gamma Subunit of the Epithelial Sodium Channel (gENaC) in Vascular Smooth Muscle Mediates Glomerular Filtration Rate (GFR) with Angiotensin II

Poster Session #: POS-RENAL-005, Abstract #: A-1254, Poster Board #: F757

Presenter: Kennedy Szekely, University of Pittsburgh

Soluble FMS-Like Tyrosine Kinase-1 (sFLT-1) and Soluble Endoglin (sEng) Induce Platelet Hyperfunction in a Rat Model of Severe Preeclampsia

Poster Session #: POS-SGRIG-001, Abstract #: A-0286, Poster Board #: F679

Presenter: Ana Palei, University of Mississippi Medical Center

Sex differences and the role of endothelial Nrf2 in the modulation of blood pressure and vascular reactivity

Poster Session #: POS-SGRIG-001, Abstract #: A-0643, Poster Board #: F683

Presenter: Neha Dhyani, University of Nebraska Medical Center

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Cognitive Decline in a Mouse Model of Arterial Stiffening is Associated with Microgliosis and Reduced Resting Cerebral Blood Flow

Poster Session #: POS-CNS-003, Abstract #A-0363, Poster Board #F428

Presenter: Cayla Jeff, Meharry Medical College

LOW DOSE I.C.V. ANG II IS ASSOCIATED WITH COGNITIVE IMPAIRMENT AND HYPERPHOSPHORYLATION OF TAU IN MALE MICE

Poster Session #: POS-CNS-003, Abstract #: A-1559, Poster Board #: F430

Presenter: Sara M. Zarate, Vanderbilt University Medical Center

Protective Role of Kinin B1 Receptor Blockade in Angiotensin II-Induced Cardiac Mitochondrial Dysfunction

Poster Session #: POS-CVS-003, Abstract #: A-0163, Poster Board #: F576

Presenter: Drew Theobald, East Carolina University

Hypertensive Mice Have Decreased Antibody Responses to COVID-19 mRNA Vaccination in the Angiotensin II Model of Hypertension

Poster Session #: POS-RENAL-001, Abstract #: A-1217, Poster Board #: F768

Presenter: Rebecca M. Horowitz, Tulane University School of Medicine, New Orleans, LA

Intercalated cells-specific CIC-K2 deletion ameliorates Ang II-induced hypertension by compromising renal Cl conservation

Poster Session #: POS-RENAL-002, Abstract #: A-0517, Poster Board #: F738

Presenter: Anna Atamanchuk, The University of Texas Health Science Center at Houston

Increased aquaporin expression and urine concentration in epidermal growth factor (EGF) knockout mice.

Poster Session #: POS-WEH-001, Abstract #: A-2108, Poster Board #: F466

Presenter: Richard Bouley, MGH

B Cells in Preeclampsia; Mediators of Autoantibodies, Endothelial Dysfunction, and Hypertension

Poster Session #: POS-WEH-003, Abstract #: A-0281, Poster Board #: F484

Presenter: Nathan Campbell, University of Mississippi Medical Center

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Ex Vivo Calcium Imaging of Intact Stellate Ganglion in Angiotensin II-Induced Hypertension

Poster #: POS-NCAR-002, Abstract #: A-1973, Poster Board #: S405

Presenter: Arianna Scalco, Oregon Health & Science University

Female Mice are Protected From Angiotensin II-Induced Changes in Renal Function

Poster #: POS-RENAL-004, Abstract #: A-0459, Poster Board #: S771

Presenter: Katherine M., Mantilla Tulane University School of Medicine, New Orleans, LA

Chronic Histamine-N-Methyltransferase Inhibition Attenuates Blood Pressure Development in Dahl SS Rats

Poster #: POS-RENAL-006, Abstract #: A-0582, Poster Board #: S731

Presenter: Antara Chaudhuri, Medical College of Georgia, Augusta University

Mid-late Gestation Eplerenone Treatment Improves Maternal Cardiovascular, But Not Fetal, Outcomes in a Mouse Model of Leptin-induced Preeclampsia

Poster #: POS-WEH-007, Abstract #: A-0252, Poster Board #: S507

Presenter: Elisabeth Mellott, Augusta University

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The effect of elabela on hemodynamic changes induced by doxorubicin in rats

Poster #: POS-CVS-008, Abstract #: A-1022, Poster Board #: S626

Presenter: Agnieszka Cudnoch-Jedrzejewska, Medical University of Warsaw

Neuraminidase-3 Inhibition Mitigates Vascular Endothelial Dysfunction and Reduces Arterial Stiffness in Type 2 Diabetic Mice

Poster #: POS-CVS-009, Abstract #: A-1527, Poster Board #: S542

Presenter: Francisco Ramirez-Perez, University of Missouri

Brain Leptin Receptor Activation May Improve Cardiac Function After Ischemia-Reperfusion Injury by Stimulating Release of miR-378a-5p-enriched EVs from Brown Adipocytes

Poster #: POS-CVS-011, Abstract #: A-0598, Poster Board #: S646

Presenter: Ana Carolina Miekio Omoto, University of Mississippi Medical Center

Understanding The Role of Protein O-GlcNAcylation (O-GlcNAc) in Aldosterone-induced Vascular Dysfunction

Poster #: POS-CVS-015, Abstract #: A-1534, Poster Board #: S690

Presenter: Daniel Rodrigues Ribeiro Preto, Medical School, University of São Paulo, Ribeirão Preto, São Paulo, Brazil

JAK1 Kinase Activity Is Required for the Dysregulated JAK1-STAT Pathway to Exacerbate Aberrant Protein Aggregation

Poster #: POS-CVS-015, Abstract #: A-1836, Poster Board #: S716

Presenter: Mingqi Cai, Division of Basic Biomedical Sciences, University of South Dakota Sanford School of Medicine, Vermillion, SD

RECK Overexpression in Smooth Muscle Cells Aggravates Abdominal Aortic Aneurysm Progression

Poster #: POS-MBIG-005, Abstract #: A-2096, Poster Board #: S228

Presenter: Manikandan Nagarajan, University of Missouri - Columbia

Sex differences in proinflammatory Th1 cell kidney infiltration in ANG II-induced hypertension

Poster #: POS-RENAL-004, Abstract #: A-0768, Poster Board #: S774

Presenter: Madison M. Altom, Tulane University School of Medicine, New Orleans, LA

Impact of TrkB Receptor Modulation on Tongue Exercise-Induced Plasticity in an Inducible Rodent Model of Hypoglossal (XII) Motor Neuron Death

Poster #: POS-RESP-006, Abstract #: A-0788, Poster Board #: S928

Presenter: Amy Keilholz, University of Missouri

Progesterone infusion into the hypothalamus of CO₂-chemoreflex impaired female rats enhances the hypercapnic ventilatory response

Poster #: POS-RESP-007, Abstract #: A-1430, Poster Board #: S898

Presenter: Tara A Janes, University of Alberta

Angiotensin II-Induced Hypertension is Time-of-Day Dependent

Poster #: POS-WEH-005, Abstract #: A-1488, Poster Board #: S486

Presenter: Lance Benson, University of Alabama at Birmingham