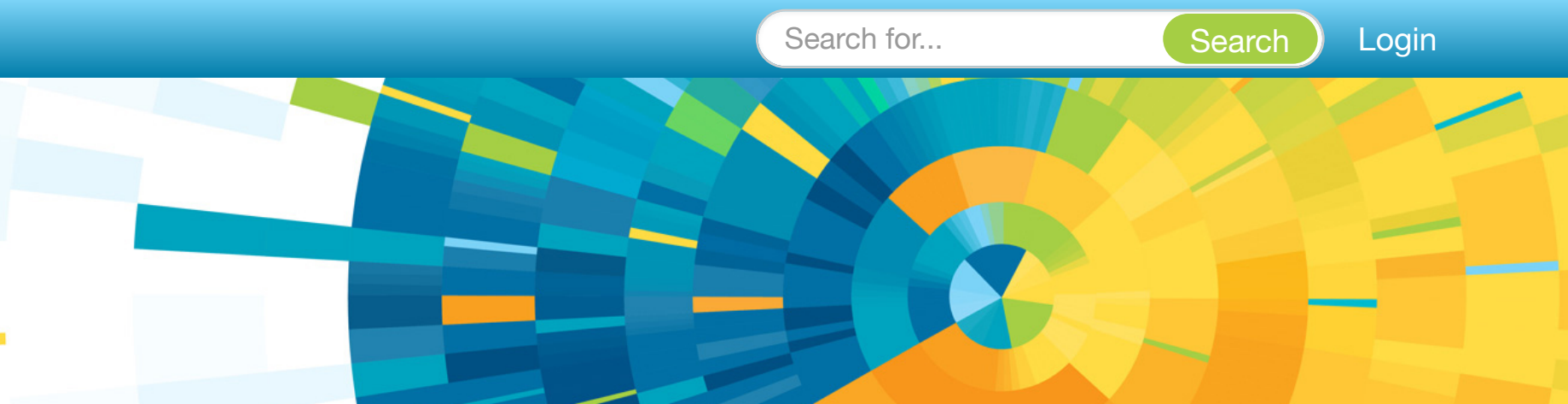


2022 PHILADELPHIA

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Feb 21, 2022



Want to learn how to improve rigor and reproducibility (R&R)? How about R&R expectations for use of sex as a biological variable in studies? Hear about that and more in Publishing 101 at #ExpBio. Join us Sun. 4/3 at 8:30 a.m. Conv. Ctr. Rm. 202B: buff.ly/3L1DLW0 #SABV



Feb 15, 2022



Get up early Sun. 4/3 to learn how to avoid burnout and achieve a better work-life balance. Program begins at 7 a.m. in [Select Language](#)

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Posters

Sunday, April 3, 2022

- (546.2) Which Comes First: Angiogenesis or Myogenesis Following Punch Biopsy Injury? ★
- (546.8) Skeletal Muscle Injury is Sufficient for Angiogenesis but Myofiber Regeneration is Required for Restoring Microvascular Integrity ★
- (547.5) Discerning the role of IP3R1 activation by Gq/G11 signaling in murine lymphatic collecting vessel pacemaking ★
- (556.9) Canagliflozin Regulates Human Endothelial Cell Function: Role of Heme Oxygenase-1 ★
- (557.8) Mutation in the 5SL Region of Collagen I mRNA Attenuates Diastolic Dysfunction in Male, but not Female, Mice Following 28 Weeks of Feeding a High Fat High Sucrose Diet ★
- (580.3) A Mechanistic Role for RECK in the Regulation of Hepatocellular Inflammation ★
- (604.1) Hypoxic Vasodilation is Augmented During the High versus Low Estrogen Phase of the Menstrual and Oral Hormonal Contraceptive Pill Cycle ★
- (609.1) Unilateral Vagotomy Blunts Cardiorespiratory Responses to Vagal Afferent Stimulation and Nucleus Tractus Solitarii (NTS) Glutamate Microinjection ★
- (609.4) Altered GABAergic neurotransmission at the nucleus tractus solitarii following Hindlimb Unloading ★
- (610.2) Oxytocin and corticotropin-releasing hormone augment synaptic activity in the nTS of rats subjected to chronic intermittent hypoxia ★
- (622.3) Targeted Electrical Stimulation of the Superior Laryngeal Nerve – A Potential Treatment for Dysphagia in ALS ★

Monday, April 4, 2022

- (637.3) CT Visualization of Vasculature Channels in Modern and Fossil Sloth Ungual Claws ★
- (659.6) Affinity Maturation of an Ovarian Cancer-Targeting Peptide ★
- (688.9) Distinct Responses in the Brain Compared to Lung in a Rat Model of Fat Embolism Syndrome ★
- (707.6) Empagliflozin inhibits intermittent hypoxia-induced TRAF3IP2/NF-κB/HIF-1α/IL-6-dependent human aortic smooth muscle cell proliferation ★
- (711.3) Role of adropin in reducing arterial stiffness in type 2 diabetes ★
- (717.4) Endothelial Mineralocorticoid Receptors Constrain Arteriogenesis and Perfusion Recovery Following Chronic Arterial Ligation in a Sex-specific Manner ★
- (733.2) Role of Proximal Tubule DPP4 in Inflammation and Kidney Disease Progression ★
- (743.7) Effects of Prebiotic Fructooligosaccharides on Susceptibility to Dextran Sodium Sulfate-Induced Colitis ★
- (745.1) Altered Adipose Tissue Inflammatory Markers in Mothers With Gestational Diabetes ★
- (748.3) Peripheral Chemoreflex Sensitivity is Augmented in Human Type 2 Diabetes ★
- (751.3) Hypoxia Augments TRPM3-mediated Calcium Influx in Vagal Sensory Neurons ★
- (753.8) Increased Muscle Sympathetic Nerve Activity with Acute Hyperinsulinemia: Role of Insulin-stimulated Peripheral Vasodilation and the Response of the Arterial Baroreflex ★
- (760.8) Orexin Facilitates the Hypoxic Ventilatory Response: Influence of Estrus Cycle ★

Tuesday, April 5, 2022

- (782.4) A New Method for Quantifying 3D Skeletal Morphology in Living Subjects Using Low-Dose Stereo Radiographs ★
- (784.2) An Exploration of the Sympathetic Component of the Recurrent Laryngeal Nerve ★
- (784.3) The Origin of Sympathetic Postganglionic Fibers in the Cervical Region of the Vagus Nerve ★
- (789.9) Tissue and Sex-Specific Changes in RNA Editing During Induced Acute Inflammation ★
- (827.3) Deducator of cytokinesis 2 (DOCK2) mediates chronic high-fat and high-fructose diet induced lung injury ★
- (827.5) Cardiac and pulmonary expression of renin, prorenin, mast cells and macrophages in a rat model of fat embolism syndrome ★
- (851.8) Computational Modeling using Artificial Neural Networks Identifies Chamber-Specific Predictors of Cardiac Collagen Content in Ovariectomized and Aortic-Banded Yucatan Mini-Swine ★
- (851.9) Chronic High-Rate Pacing Induces Heart Failure with Preserved Ejection Fraction-Like Phenotype in Obese Ossabaw Swine ★
- (858.7) Chronic Pressure Overload and Ovariectomy Alters the Regulation of Cardiac Fibrosis in a Chamber-Specific Manner in Yucatan Mini-Swine ★
- (866.3) Effects of Prebiotic Fructooligosaccharides on Cytokine and Tight Junction Protein Expression in Cultured Intestinal Epithelial Cells ★
- (893.5) Hypothalamic Corticotrophin Releasing Hormone Signal Contributes to Elevated Sympathetic Outflow in primary hypertension ★
- (941.3) Worms With Armor: Tegumental Adaptations of Stomach Fluke, *Dinurus* sp. (Trematoda: Hemiuridae) – Ultrastructural Characteristics ★
- (951.5) A Non-Invasive Method to Estimate Pulmonary Oxygen Transfer Rate ★

Sunday, April 3, 2022

- (474.31) Physical Therapy Student Knowledge Retention from a Remotely Taught Anatomy Course ★
- (478.24) Student created quizzes to reinforce critical information and highlight deficits for both the students and instructor ★
- (482.43) How to Make a Vampire: Part II. Getting Ready to Feed ★
- (555.18) Effect of Hyperinsulinemia on Cerebral Autoregulation and Myogenic Control of Cerebral Blood Flow in Healthy Young Adults ★
- (556.26) Glutamine Counteracts Glucose-Mediated Human Endothelial Cell Dysfunction ★
- (557.18) Minocycline Blunts Isoproterenol-Induced Cardiac Hypertrophy ★
- (562.21) Hypoglycosylated Follistatin-Like 1 Attenuates the Loss of Coronary and Cerebral Vascular Functional Capacity in Ossabaw Swine with Cardiometabolic Heart Failure with Reduced Ejection Fraction ★

Monday, April 4, 2022

- (715.26) Intermittent Hypoxia Promotes the Development of Abdominal Aortic Aneurysm in Male Mice ★
- (732.14) Role of Dipeptidyl Peptidase 4 and Effects of a Western Diet in Renal Sodium Transport and Tubular Injury ★
- (774.10) Use of a Short, In-Class, Free Response Activity to Assess Student Understanding of Core Concepts of the Cell Membrane in an Undergraduate Physiology Course ★

Tuesday, April 5, 2022

- (791.15) Structural basis for interactions between RPTPζ/PTPRZ and the perineuronal net component tenascin-R ★
- (858.12) Sexually dimorphic role of smooth muscle cell estrogen receptor alpha in aging-associated arterial stiffness ★
- (898.12) Upper Airway Dysfunction and Discoordination are Reversed by Isometric Tongue Exercise in a Novel Rodent Model of Hypoglossal Motor Neuron Loss ★
- (953.13) Acute wheel-running increases markers of stress and aversion-related signaling in the basolateral amygdala of male rats ★
- (953.18) The Impact of Removal of Exercise for 3 Days on Glycemic Control in Older Active Adults ★