



# 2022 PHILADELPHIA

## APRIL 2-5

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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](https://buff.ly/3L1DLW0) #SABV



Feb 15, 2022

[EB Experimental Biology](#) @expbio

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 Philadelphia Convention Center, Room 202B. Learn more: [buff.ly/34p0Px3](https://buff.ly/34p0Px3) #ExpBio #ProfDev



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#### ICON LEGEND

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### Presentations

Saturday, April 2, 2022

1:20 PM – 1:35 PM	40.3 - Effective and Affirming Communication with Transgender and Gender Nonconforming Patients Room: 103 C - Pennsylvania Convention Center Presenting Author: <a href="#">Ryan Cox</a> – University of Missouri Kansas City School of Medicine	
1:05 PM – 1:35 PM	41.2 - Beyond Measurement of Adipose Fatty Acid Release Rate Toward the Assessment of Intracellular Fluxes of Metabolites Room: 204 B - Pennsylvania Convention Center Speaker: <a href="#">Elizabeth Parks</a> – University of Missouri	
1:00 PM – 3:00 PM	Emerging Topics in the Microcirculation Room: 201 C - Pennsylvania Convention Center	
1:00 PM – 1:05 PM	43.1 - Introduction Room: 201 C - Pennsylvania Convention Center Speaker: <a href="#">Erika Boerman</a> – University of Missouri	
1:44 PM – 1:57 PM	43.5 - Female Sex Protects Cerebral Arteries from Mitochondrial Depolarization during Acute Oxidative Stress Room: 201 C - Pennsylvania Convention Center Speaker: <a href="#">Charles Norton</a> – University of Missouri	

Sunday, April 3, 2022

9:12 AM – 9:32 AM	102.4 - Brains, Blood Vessels, and Hearts: Can FSTL1 Tie Them Together in Infarcted Swine with Diabetes? Room: 204 A - Pennsylvania Convention Center Speaker: <a href="#">Craig Emter</a> – University of Missouri - Columbia	
9:30 AM – 9:45 AM	733.2 - Role of Proximal Tubule DPP4 in Inflammation and Kidney Disease Progression Room: 204 B - Pennsylvania Convention Center Presenting Author: <a href="#">Kwame Frimpong</a> – University of Missouri	
11:00 AM – 11:15 AM	Career Central Short Talk: Successful Interviewing in the Zoom Era Room: Aisle 1100/1200, Exhibit/Poster Hall A-B	
2:15 PM – 2:30 PM	139.5 - Three-dimensional functional capacity of the intrinsic hand musculature in humans and chimpanzees Room: 105 AB - Pennsylvania Convention Center Presenting Author: <a href="#">Mara Fields</a> – University of Missouri	
2:00 PM – 2:15 PM	851.9 - Chronic High-Rate Pacing Induces Heart Failure with Preserved Ejection Fraction-Like Phenotype in Obese Ossabaw Swine Room: 204 C - Pennsylvania Convention Center Presenting Author: <a href="#">Johnathan Tune</a> – University of North Texas Health Sciences Center	
2:15 PM – 2:30 PM	851.8 - Computational Modeling using Artificial Neural Networks Identifies Chamber-Specific Predictors of Cardiac Collagen Content in Ovariectomized and Aortic-Banded Yucatan Mini-Swine Room: 204 C - Pennsylvania Convention Center Presenting Author: <a href="#">Amira Amin</a> – University of Missouri Columbia	
2:15 PM – 2:30 PM	745.1 - Altered Adipose Tissue Inflammatory Markers in Mothers With Gestational Diabetes Room: 304 - CC - Pennsylvania Convention Center Presenting Author: <a href="#">Alan Maloney</a> – University of Missouri	

Monday, April 4, 2022

9:00 AM – 9:30 AM	238.2 - Choosing and Retaining your Laboratory Team Room: 108 A - Pennsylvania Convention Center Speaker: <a href="#">Dana Duren</a> – University of Missouri School of Medicine	
9:00 AM – 9:15 AM	732.14 - Role of Dipeptidyl Peptidase 4 and Effects of a Western Diet in Renal Sodium Transport and Tubular Injury Room: 202 B - Pennsylvania Convention Center Presenting Author: <a href="#">Rohit Allada</a> – University of Missouri	
2:45 PM – 3:00 PM	898.12 - Upper Airway Dysfunction and Discoordination are Reversed by Isometric Tongue Exercise in a Novel Rodent Model of Hypoglossal Motor Neuron Loss Room: 204 A - Pennsylvania Convention Center Presenting Author: <a href="#">Nicole Nichols</a> – University of Missouri	
3:15 PM – 3:30 PM	309.2 - Flat or flexible? Evolutionary cranial biomechanics and the origins of modern archosaur skulls. Room: 105 AB - Pennsylvania Convention Center Presenting Author: <a href="#">Casey Holliday</a> – University of Missouri	
4:45 PM – 5:00 PM	547.5 - Discerning the role of IP3R1 activation by Gq/G11 signaling in murine lymphatic collecting vessel pacemaking Room: 201 C - Pennsylvania Convention Center Presenting Author: <a href="#">Scott Zawieja</a> – University of Missouri	

Tuesday, April 5, 2022

2:55 PM – 3:00 PM	415.6 - Closing Remarks Room: 201 C - Pennsylvania Convention Center Speaker: <a href="#">Kleiton Silva</a> – University of Missouri- Columbia	
2:45 PM – 3:00 PM	858.7 - Chronic Pressure Overload and Ovariectomy Alters the Regulation of Cardiac Fibrosis in a Chamber-Specific Manner in Yucatan Mini-Swine Room: 204 A - Pennsylvania Convention Center Presenting Author: <a href="#">Shannon Kelly</a> – University of Missouri	
3:00 PM – 3:30 PM	446.1 - Dynamics of Osteocyte Embedding and Differentiation and the Fate of Osteocytes after Bone Resorption Room: 108 B - Pennsylvania Convention Center Presenting Author: <a href="#">Sarah Dallas</a> – University of Missouri, Kansas City	
3:55 PM – 4:15 PM	453.3 - Pathophysiology of Dysphagia: Using Technology to Translate to Human Medicine Room: 204 C - Pennsylvania Convention Center Speaker: <a href="#">Teresa Lever</a> – University of Missouri	
3:45 PM – 4:05 PM	Tips Impact and the Future of the Discipline of Exercise Physiology Room: 202 A - Pennsylvania Convention Center Speaker: <a href="#">Harold Laughlin</a> – University of Missouri	
4:05 PM – 4:25 PM	Tips Impact and the Future of the Discipline of Exercise Physiology Room: 202 A - Pennsylvania Convention Center Speaker: <a href="#">Frank Booth</a> – University of Missouri	