





No.	Abstract Title	Author / Affiliation	Category / Poster No.	Date / Time	Travel Award
1	Novel Light-triggered Hydrogen Selenide Donors	Eshani Das <i>Brown University United States</i>	Chemical Biology 005	Thurs, Nov 21 4:30 pm - 4:36 pm	
2	Generation of singlet oxygen via Upconversion Nanoparticles (UCNP) in RAW 264.7 macrophages cells	Amanda Farhat <i>University of Sao Paulo Brazil</i>	Chemical Biology 007	Thurs, Nov 21 4:36 pm - 4:42 pm	
3	Glutathione Peroxidase 4 Overexpression Alters Bone Remodeling in response to Injury and Overloading	Madeline Hines <i>The University of Iowa United States</i>	Chemical Biology 008	Thurs, Nov 21 4:42 pm - 4:48 pm	
4	Development of a nanobiosensor for the detection of Lipoperoxides in non-transfectable cells	Natalia Oddone <i>Institut Pasteur de Montevideo Uruguay</i>	Chemical Biology 014	Thurs, Nov 21 4:48 pm - 4:54 pm	
5	Phototriggered generation of reactive sulfur species	Biswajit Roy <i>Brown University United States</i>	Chemical Biology 020	Thurs, Nov 21 4:54 pm - 5:00 pm	
6	CONFIDENCE: A Web App for Cross-Platform Differential Gene Expression Analysis, Gene Scoring, and Enrichment Analysis	Abhishek Shastry <i>Queen's University Canada</i>	Chemical Biology 021	Thurs, Nov 21 5:00 pm - 5:06 pm	
7	Energetic sensing of mitochondrial destabilization regulates mito activity	Nada Ahmed Selim <i>University of Rochester United States</i>	Redox / Cell Signaling 029	Thurs, Nov 21 5:06 pm - 5:12 pm	
8	Endoplasmic Reticulum - Plasma Membrane contacts: a novel site for Nox1 NADPH oxidase- dependent cellular redox signaling.	Tiphany De Bessa <i>Heart Institute, University of Sao Paulo Brazil</i>	Redox / Cell Signaling 034	Thurs, Nov 21 5:12 pm - 5:18 pm	
9	No Evidence of Thioredoxin-interacting Protein (TXNIP) Inhibiting Thioredoxin1 (Trx1)	Shayida Maimaiti <i>Karolinska Institute Sweden</i>	Redox / Cell Signaling 058	Thurs, Nov 21 5:18 pm - 5:24 pm	
10	Novel Role of Copper Transporter CTR1 and Therapeutic Potential of Copper Chelators in Retinal Ischemia-Reperfusion Injury	Mai Yamamoto <i>Medical College of Georgia at Augusta United States</i>	Redox / Cell Signaling 084	Thurs, Nov 21 5:24 pm - 5:30 pm	
11	GPx4 Overexpression Mitigates Cancer Cachexia	Jacob Brown <i>Oklahoma City VA Medical Center United States</i>	Cancer 089	Fri, Nov 22 4:30 pm - 4:36 pm	

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12	Unveiling proliferative forms of nitrated Hsp90 in Glioblastoma Multiforme in vivo	Inge Claassen <i>Florida International University</i> <i>United States</i>	Cancer 091	Fri, Nov 22 4:36 pm - 4:42 pm	
13	Leveraging Mitochondrial Metabolic and Energetic Differences to Target Prostate Cancer Regrowth Post Radiotherapy	Kahleel Guerrier <i>University of Kentucky</i> <i>United States</i>	Cancer 094	Fri, Nov 22 4:42 pm - 4:48 pm	
14	Development of Novel Superoxide Dismutase Mimics for Brain Targeting	William Knight <i>Barrow Neurological Institute</i> <i>United States</i>	Cancer 100	Fri, Nov 22 4:48 pm - 4:54 pm	
15	Radiation to Adipocytes Alters Lipid Secretion Enabling Prostate Cancer Migration	Kia Liermann-Wooldrik <i>University of Nebraska Medical Center</i> <i>United States</i>	Cancer 103	Fri, Nov 22 4:54 pm - 5:00 pm	
16	Obesity and Diabetes Drive Coronary Microvascular Disease via PRDX5-Linked Antioxidant Impairment	Katie Anne Fopiano <i>Medical College of Georgia, Augusta</i> <i>United States</i>	Cardiovascular and Pulmonary 125	Fri, Nov 22 5:00 pm - 5:06 pm	
17	Hematopoietic NADPH Oxidase 4 Prevents Atherogenesis by Inhibiting High Calorie Diet-Induced Monocyte Priming and the Overrecruitment of Dysfunctional Monocyte-Derived Macrophages	Seonwook Kim <i>Wake Forest University School of</i> <i>United States</i>	Cardiovascular and Pulmonary 134	Fri, Nov 22 5:06 pm - 5:12 pm	
18	Late gestational hypoxia exposure impacts lung and pulmonary vascular outcomes in the neonatal and adult offspring	Thi-Tina Nguyen <i>University of Colorado Anschutz Medical</i> <i>United States</i>	Cardiovascular and Pulmonary 148	Fri, Nov 22 5:12 pm - 5:18 pm	
19	Loss of ARNT in Endothelial Cells Mediated Inflammation Pathway Promotes Diabetic Cardiac Vascular Dysfunction	Snekha Rajasekaran <i>University of Alabama at Birmingham</i> <i>United States</i>	Cardiovascular and Pulmonary 151	Fri, Nov 22 5:18 pm - 5:24 pm	
20	Exercise preserves myocardial structure and function through activating the protein quality control in reductive stress cardiomyopathy mice	Sini Sunny <i>The University of Alabama at Birmingham</i> <i>United States</i>	Cardiovascular and Pulmonary 158	Fri, Nov 22 5:24 pm - 5:30 pm	
21	Mitochondrial Calcium-Independent Phospholipase A2y Releases Fatty Acids Required for UCP1-Dependent Energy Expenditure in Brown Adipose Tissue	Pavla Pruchova <i>Institute of Physiology Czech Academy of</i> <i>Czech Republic</i>	Metabolism/Bioenergetics 180	Sat, Nov 23 4:30 pm - 4:36 pm	
22	Targeting Mitochondrial Networks of Hypoxia Resistance in Long-Lived Blind Mole Rats	Perinur Bozaykut <i>Tufts University</i> <i>United States</i>	Aging 189	Sat, Nov 23 4:36 pm - 4:42 pm	

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23	Investigating the role of lysine acetylation in regulating redox homeostasis in the aged heart	Jackson Stewart <i>West Virginia University</i> <i>United States</i>	Aging 201	Sat, Nov 23 4:42 pm - 4:48 pm	
24	A pro-drug derivative of carnosic acid activates the Nrf2 transcriptional pathway and shows efficacy in Alzheimer's disease transgenic mice	Piu Banerjee <i>The Scripps Research Institute</i> <i>United States</i>	Neurodegenerative Disease 204	Sat, Nov 23 4:48 pm - 4:54 pm	
25	Discovery of Gallic Acid-Based Mitochondriotropic Antioxidant Attenuates LPS-Induced Neuroinflammation	Shubham Garg <i>Indian Institute of Technology, Jodhpur,</i> <i>India</i>	Neurodegenerative Disease 208	Sat, Nov 23 4:54 pm - 5:00 pm	
26	Role of Redox Signaling by Peroxynitrite in the Pathophysiology of Autism Spectrum Disorders (ASD)	Patience Ngozi Paul <i>Florida International University</i> <i>United States</i>	Neurodegenerative Disease 215	Sat, Nov 23 5:00 pm - 5:06 pm	
27	Maternal Low-Protein Diet Impairs Skeletal Muscle Development, Inflammatory Responses, and Mitochondrial Function in Offspring: Long-Term Effects on Muscle Ageing	Atilla E. Altinpinar <i>University of Liverpool</i> <i>United Kingdom</i>	Inflammation and Immunity 220	Sat, Nov 23 5:06 pm - 5:12 pm	
28	Kynurenine-Carboxyketoalkene (Kyn-CKA): A Novel Immunomodulatory Mechanism at the Interface Between Innate and Adaptive Responses	Nicole Arroyo Diaz <i>University of Alabama at Birmingham</i> <i>United States</i>	Inflammation and Immunity 221	Sat, Nov 23 5:12 pm - 5:18 pm	
29	Nitrated fatty acids protect against Acute Kidney Injury in Sickle Cell Disease	Mara Carreño <i>University of Alabama at Birmingham</i> <i>United States</i>	Environmental 231	Sat, Nov 23 5:18 pm - 5:24 pm	
30	The Role of S-Palmitoylation in Modulating Lung Inflammation from Early RSV Infection and Cadmium Exposure	Jennifer Jeon <i>Emory University</i> <i>United States</i>	Environmental 236	Sat, Nov 23 5:24 pm - 5:30 pm	