POSTER PRESENTATIONS

(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Samrajni Banerjee *University of Liverpool*	Role of reactive oxygen species in declining mitochondrial structure and distribution in musculoskeletal tissues with ageing	Aging	Thurs, Nov 17	**001**	
Brandon Berry *University of Washington*	Lifespan Extension from Dietary Restriction is Mediated by Mitochondrial Membrane Potential in C. elegans	Aging	Thurs, Nov 17	**002**	
Jacob Brown *Oklahoma Medical Research Foundation*	The Role of Oxylipins in Muscle Atrophy	Aging	Thurs, Nov 17	**003**	
Thamir Hamoh *University of Groningen*	FNDs for the selective labelling and localized free radical measurements in sperm cells	Aging	Thurs, Nov 17	**005**	
Robert Heaton *the University of Liverpool*	Regulation of Peroxiredoxin Oxidation for the Maintenance of Muscle Mass and Function in Ageing	Aging	Thurs, Nov 17	**006**	
Madeline Hines *The University of Iowa*	Preventing Lipid Peroxidation Stimulates Loss of Glutathione Reduction Potential Coincident with Increased Mitochondrial Staining in Articular Chondrocytes	Aging	Thurs, Nov 17	**007**	
Annika Höhn *German Institute of Human Nutrition*	Islet function during aging and senescence	Aging	Thurs, Nov 17	**008**	
Hiroshi Ichikawa *Doshisha University*	Induction of oxidative stress tolerance by ultrasound irradiation extends the lifespan of C. elegans	Aging	Thurs, Nov 17	**009**	
Samantha Jones *University of Liverpool*	MicroAge Mission: Human Muscle Constructs for Studies of Redox-Related Cytokine and Chemokine Release in Microgravity	Aging	Thurs, Nov 17	**010**	
Vitaly Koltover *Federal Research Center of Problems of Chemical Physics and*	Reliability of Electron-Transport Mitochondrial Membranes and the Oxygen Anion-Radical Timer of Aging	Aging	Thurs, Nov 17	**012**	
KENSHIN KUROKAWA *Doshisha University*	UVB induces intracellular ROS production in HaCaT keratinocytes	Aging	Thurs, Nov 17	**013**	
Edwin Miranda *University of Utah*	Exploration of the Proteomic and Redox Consequences of NAMPT Inhibition or Knock Down in Human Immortalized Skeletal Muscle Cells	Aging	Thurs, Nov 17	**014**	
Annika Mueller-Eigner *Research Institute for Farm Animal Biology (FBN)*	Optogenetic Increase in Mitochondrial Protonmotive Force Causes Increased Lifespan in C. elegans	Aging	Thurs, Nov 17	**015**	

POSTER PRESENTATIONS

(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Claudia Pizarro-Rosas *Universidad de Atacama*	The Use of Blueberry Extract to Prevent Oxidative Damage Produced by Acute Mountain Disease in Workers at High Geographical Altitude	Aging	Thurs, Nov 17	**016**	
Ruthia Soh *University of California Riverside*	Hyperglycemia Induced Oxidative Stress Alters the FOXO/AMPK Pathway Which Leads to Loss of Pluripotency	Aging	Thurs, Nov 17	**017**	
Caroline Amy Staunton *University of Liverpool*	Aquaporins: regulators of H2O2 transport and homeostasis in skeletal muscle	Aging	Thurs, Nov 17	**018**	
Daniela Weber *German Institute of Human Nutrition (DIfE) Potsdam-Rehbruecke*	Evaluation of different carotenoid assessment methods in a human study	Aging	Thurs, Nov 17	**019**	
May Al-Maghrebi *Kuwait University*	NOX-activated NLRP3 Inflammasome Pathway Triggers Pyroptosis During Testicular Ischemia Reperfusion Injury	Inflammation and Immunity	Thurs, Nov 17	**022**	
Ana Clara Casella *Facultad de Medicina, Uruguay*	Impact of Oxygen Concentration on the Oxidative Cytotoxic Response of Macrophages	Inflammation and Immunity	Thurs, Nov 17	**023**	
Dario Ramirez *Laboratory of Experimental and Translational Medicine - National*	The nitrone 5,5-dimethyl-1-pyrroline N-oxide improves adipogenesis and reduces insulin resistance in obese mice	Inflammation and Immunity	Thurs, Nov 17	**024**	
Damián Estrada *Universidad de la República*	Innate immune modulation by phosphatidylserine exposure in T. cruzi during the acute phase of Chagas disease.	Inflammation and Immunity	Thurs, Nov 17	**025**	
Francesca Ferrara *University of the Studies of Ferrara*	Ubiquitination as a key regulatory mechanism for O3-induced cutaneous redox Inflammasome activation	Inflammation and Immunity	Thurs, Nov 17	**026**	
Norma Frizzell *University of South Carolina*	Impaired Metabolic and Inflammatory Responses in a Murine Model of Leigh Syndrome	Inflammation and Immunity	Thurs, Nov 17	**027**	
Dario Ramirez *Laboratory of Experimental and Translational Medicine - National*	In silico analysis of nitrones with possible Nrf2 agonist activities	Inflammation and Immunity	Thurs, Nov 17	**028**	
Scott Gillham *Liverpool John Moores University*	The effects of cannabidiol on ROS signalling and cytokine/chemokine production in mature C2C12 myotubes	Inflammation and Immunity	Thurs, Nov 17	**029**	
Lucia Gonzalez Perilli *Universidad de la Republica - Uruguay*	Lipoxygenase-dependent lipid mediators formation in M1 and M2 macrophages	Inflammation and Immunity	Thurs, Nov 17	**030**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Alexandria Hernandez-Nichols *University of Alabama at Birmingham*	Red Blood Cells Exposed To Redox Mediators Have Increased High Mannose N-Glycans Present On Their Surface	Inflammation and Immunity	Thurs, Nov 17	**031**	
Adolf Koudelka *University of Pittsburgh*	Arachidonic acid-derived lipoxin A4 yields an electrophilic 15-oxo metabolite that induces anti-inflammatory responses independent of FPR2 receptor signaling	Inflammation and Immunity	Thurs, Nov 17	**032**	
Felix Lamontagne *CRCHUM - Université de Montréal - Canada*	DUOX2 regulates secreted factors in virus-infected respiratory epithelial cells that contribute to neutrophil attraction and activation	Inflammation and Immunity	Thurs, Nov 17	**033**	
Raphael Queiroz *Universidade Estadual do Sudoeste da Bahia*	A novel diselenide attenuates the carrageenan-induced inflammation in mice by inhibiting neutrophil chemotaxis	Inflammation and Immunity	Thurs, Nov 17	**035**	
Yesica María Rodríguez Cortés *Universidad Nacional Autónoma de México - Mexico*	Silymarin improves post-cerebral ischemia survival and increases BDNF levels in obese mice	Inflammation and Immunity	Thurs, Nov 17	**037**	
Andres Trostchansky *Facultad de Medicina, Universidad de la República*	Molecular mechanism of Prostaglandin endoperoxide H synthase 2 (PGHS2) inhibition by Nitroarachidonic acid	Inflammation and Immunity	Thurs, Nov 17	**038**	
Mohamed Yousef *The American University in Cairo*	Selective inhibition of GSK3? mediates an Nrf2-independent anti-inflammatory microglial response	Inflammation and Immunity	Thurs, Nov 17	**039**	
Giselle Cerchiaro *Federal University of ABC - UFABC*	Effects of hydroxytyrosol in an induced Alzheimer's disease animal model: behavioral and metallomics profile	Neurodegenerative Disease	Thurs, Nov 17	**042**	
Fabio Di Domenico *Sapienza University of Rome*	The harmful relationship between redox homeostasis and protein quality control systems in Alzheimer-like pathology	Neurodegenerative Disease	Thurs, Nov 17	**044**	
Sarah Fu *University of Alabama at Birmingham*	Elevated protein O-GlcNAcylation is associated with change of glucose metabolism enzyme levels and their link to nNOS in Alzheimer's disease postmortem brains	Neurodegenerative Disease	Thurs, Nov 17	**045**	
Anna Guiotto *University of Ferrara*	Involvement Of Ferroptosis In Rett Syndrome	Neurodegenerative Disease	Thurs, Nov 17	**046**	
Aki Hirayama *Tsukuba University of Technology*	Clinical Significance of Serum Multiple Radical Scavenging Activity Assay (MULTIS) in a Diagnostic Screening of Autism Spectrum Disorders	Neurodegenerative Disease	Thurs, Nov 17	**047**	
Kohei Matsuda *Doshisha University*	Unknown modification of DJ-1 is increased in red blood cells from Unmedicated patients with Parkinson's disease	Neurodegenerative Disease	Thurs, Nov 17	**048**	

POSTER PRESENTATIONS

(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Elena Menshchikova *Federal Research Center for Basic and Translational Medicine*	Protective Effect Of Novel Phenolic Antioxidant TS-13 in Mouse Model of Parkinson's Disease	Neurodegenerative Disease	Thurs, Nov 17	**049**	
Katherine Morton *Duke University*	Utilizing S1QEL1.1 to determine the role of NADH:Ubiquinone oxidoreductase derived superoxide in dopaminergic neurodegeneration	Neurodegenerative Disease	Thurs, Nov 17	**050**	
Dario Ramirez *Laboratory of Experimental and Translational Medicine - National*	Intracerebroventricular injection of aggregated beta-amyloid (1-42) modifies the daily temporal organization of cognitive performance and antioxidant enzymes in the temporal cortex of the rat	Neurodegenerative Disease	Thurs, Nov 17	**051**	
John Onukwufor *University of Rochester*	Ferroptosis induced mitochondrial dysfunction in Alzheimer's disease-like phenotype in C. elegans	Neurodegenerative Disease	Thurs, Nov 17	**052**	
John Onukwufor *University of Rochester*	Iron exacerbates site-specific amyloid beta thermal sensitivity in C. elegans	Neurodegenerative Disease	Thurs, Nov 17	**053**	
Arianna Pasqui *University of Siena*	Mutations Specific Redox Regulation Pathway In Rett Syndrome By The Use Of Transcriptomics And Proteomics Approaches	Neurodegenerative Disease	Thurs, Nov 17	**054**	
Eftekhar Eftekharpour *University of Manitoba*	Developmental Depletion of Neuronal Thioredoxin-1 is associated with expression of neurodegenerative markers and progressive Neurological deficits resulting in Sudden Epileptic Death.	Neurodegenerative Disease	Thurs, Nov 17	**056**	
Pradoldej Sompol *University of Kentucky*	Oxidative stress-associated cerebrovascular pathology in Alzheimer's disease	Neurodegenerative Disease	Thurs, Nov 17	**057**	
Max Thorwald *University of Southern California*	ApoE4 is associated with lower antioxidant levels and increased oxidative damage in human and mouse brain	Neurodegenerative Disease	Thurs, Nov 17	**058**	
Antonella Tramutola *Sapienza University of Rome*	Intranasal Insulin Administration Reduces Oxidative Stress-Induced Damage And Improves Mitochondrial Bioenergetics In Alzheimer Disease	Neurodegenerative Disease	Thurs, Nov 17	**059**	
James Woodcock *Medical College of Wisconsin*	Significance of alternative reductases in the biosythesis of tetrathydrobiopterin revealed by studies knocking out sepiaptern reductase in human cells	Neurodegenerative Disease	Thurs, Nov 17	**060**	
Yuan Zhou *Tohoku University*	Neuronal sensitivity to oxidative stress is epitranscriptionally programmed	Neurodegenerative Disease	Thurs, Nov 17	**061**	
Aiman Abzhanova *The University of North Carolina at Chapel Hill*	Monitoring redox responses in human airway epithelial cells exposed to woodsmoke emissions generated in real time	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**062**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Olawale Ajuwon *Federal University Oye-Ekiti, Nigeria*	Fermented Rooibos Tea Ameliorates Sodium Fluoride-Induced Cardio-renal Injury, Oxidative Stress and Inflammation via Suppression of NF-κβ Signaling Pathway in Wistar rats	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**063**	
Xiaojia He *Emory University*	Pulmonary inflammation and fibrotic signaling in mouse lungs chronically exposed to low-dose vanadium pentoxide	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**064**	
Jennifer Krznarich *University of Minnesota Medical School*	The Glutamate-Cystine Antiporter xCT is Repressed by the Glucocorticoid Receptor	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**065**	
Yongke Lu *Marshall University*	Peroxisomes contribute to the development of alcohol-related liver disease	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**067**	
Syed Masood *University of North Carolina at Chapel Hill*	Detecting Protein Sulfenylation in Human Airway Epithelial Cells (HAEC) Exposed to an Environmental Peroxides	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**069**	
Edward Pennington *Oak Ridge Science Institute for Science and Education*	Real Time Adaptations of Human Airway Epithelial Cells Exposed to the Environmental Peroxide Isoprene Hydroxy Hydroperoxide	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**070**	
Irfan Rahman *University of Rochester*	E-Cigarette Synthetic Cooling Agent WS-23 and Nicotine Aerosols Differentially Modulate ROS generation and Airway Epithelial Cell Toxicity Responses	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**071**	
Yuxiao Tang *second military medical university*	An iron-deficient diet prevents alcohol- or diethylnitrosamine-induced acute hepatotoxicity in mice by inhibiting ferroptosis	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**072**	
Murugesan Velayutham *West Virginia University*	Systemic Redox Imbalance in COVID-19 Pathophysiology	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**073**	
Jazmine Virzi *University of South Florida*	Use of urinary DNA adductomics to dissect the substrates and pathways of DNA repair	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**074**	
Hua Zhong *University of Oklahoma Health Sciences Center*	Meconium from Neonates as a Source of In-Utero Metal Exposures	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**075**	
Nicole zur Nieden *University of California Riverside*	The Oxidative Stress Protector FOXO Governs Skeletal Deformities and Osteogenic Differentiation in Response to Prenatal Snus Exposure	Environmental Toxicology/Pharmacology	Thurs, Nov 17	**076**	
Rachel Bentley *Queen's University*	The Role of Mitochondrial Subunits in the Opposing Oxygen Responses of the Ductus Arteriosus and Pulmonary Arteries	Cardiovascular and Pulmonary	Fri, Nov 18	**077**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Khushwant Singh Bhullar *University of Alberta - Canada*	GPR30 agonist peptide as ACE2 activator: A novel finding	Cardiovascular and Pulmonary	Fri, Nov 18	**078**	
Bethany Bogan *Emory University*	The Role of Fatty Acid Synthase in Atherosclerosis	Cardiovascular and Pulmonary	Fri, Nov 18	**079**	
David Caraballo *Florida International University*	Systemic effect of NF-kB-mediated Signaling Pathway Induced by Mechanosensitive Ca2+-Channel TRPV4 in Pulmonary Endothelial Cells	Cardiovascular and Pulmonary	Fri, Nov 18	**080**	
Rebecca Charles *Queen Mary University of London - UK*	A novel inhibitor of soluble Epoxide Hydrolase that adducts C521 is cardioprotective	Cardiovascular and Pulmonary	Fri, Nov 18	**081**	
Andreia Chignalia *University of Arizona*	Novel mechanisms underlying heart failure induced by pressure overload	Cardiovascular and Pulmonary	Fri, Nov 18	**082**	
Daniel Colon Hidalgo *University of Colorado*	Loss of vascular EC-SOD leads to worse RV hypertrophy and metabolic alterations in PH	Cardiovascular and Pulmonary	Fri, Nov 18	**083**	
Evan DeVallance *West Virginia University*	Maternal Nano-Titanium Dioxide Inhalation Increases Xanthine Oxidoreductase Activity in the Dam and Offspring via a PKC- and G9a-Mediated Process	Cardiovascular and Pulmonary	Fri, Nov 18	**084**	
Sergey Dikalov *Vanderbilt University Medical Center*	Imbalance Between GCN5L1 Acetyltransferase and Sirt3 Deacetylase Promotes CypD Hyperacetylation, Mitochondrial Oxidative Stress, Endothelial Dysfunction and Hypertension	Cardiovascular and Pulmonary	Fri, Nov 18	**085**	
Hanan Elajaili *University of Colorado*	Use of Electron Paramagnetic Resonance (EPR) in vivo to evaluate redox status in a preclinical model of acute lung injury	Cardiovascular and Pulmonary	Fri, Nov 18	**088**	
Jolyn Fernandes *University of Oklahoma Health Sciences Center*	Metabolomic Analysis of Hyperoxia induced Lung Injury and Attenuation by Aurothioglucose	Cardiovascular and Pulmonary	Fri, Nov 18	**089**	
Asvi Arora Francois *Queen Mary, University of London*	Identification of Cardiac Proteins that Sense Oxidants by Intra-disulfide Formation	Cardiovascular and Pulmonary	Fri, Nov 18	**090**	
Felipe Fuzita *University of São Paulo - Brazil*	A simple and direct approach for cysteine-based redox proteomics by differential isobaric labeling validated in human and rat aortic smooth muscle cells	Cardiovascular and Pulmonary	Fri, Nov 18	**091**	
Abhrajit Ganguly *University of Oklahoma Health Sciences Center*	Hyperoxic Injury in Human Primary Airway Epithelial Cell Is Associated with Changes in Hydrogen Sulfide Metabolism	Cardiovascular and Pulmonary	Fri, Nov 18	**092**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Claire Holden *Emory University*	The Role of Bile Acid Signaling in Differentiation of Vascular Smooth Muscle Cells	Cardiovascular and Pulmonary	Fri, Nov 18	**094**	
Sivareddy Kotla *The University Of Texas MD Anderson Cancer Center*	An ERK5-NRF2 axis mediates senescence-associated stemness and atherosclerosis	Cardiovascular and Pulmonary	Fri, Nov 18	**095**	
Caitlin Lewis *University of Colorado*	Extracellular Superoxide Dismutase Affects Interstitial Macrophage Accumulation and Reprogramming During Pulmonary Hypertension	Cardiovascular and Pulmonary	Fri, Nov 18	**097**	
Taiming Liu *Loma Linda University*	Nitrite reverses nitroglycerin tolerance-Role of a nitrodilator-activated intracellular NO store (NANOS) in vascular wall	Cardiovascular and Pulmonary	Fri, Nov 18	**098**	
Lucia Lopes *University of São Paulo*	Protein disulfide isomerase regulation of Nox1 contributes to vascular dysfunction in hypertension	Cardiovascular and Pulmonary	Fri, Nov 18	**099**	
Qing Lu *Center for Translational Science, Florida International University*	The anti-apoptotic protein, Survivin induces a shift in endothelial cell in carbon metabolism through a mitochondrial-ROS-dependent increase in HIF-1a signaling	Cardiovascular and Pulmonary	Fri, Nov 18	**100**	
Edward Moreira Bahnson *University of North Carolina at Chapel Hill*	Selective Delivery of Antioxidant Response Activating nanoParticles (ARAPas) Reduces Atherosclerotic Burden in LDL KO Mice	Cardiovascular and Pulmonary	Fri, Nov 18	**102**	
Thi-Tina Nguyen *University of Colorado Anschutz Medical Campus*	The Effect of SOD Mimetic Treatment on Interstitial Macrophage Accumulation in Chronic Hypoxic Pulmonary Hypertension	Cardiovascular and Pulmonary	Fri, Nov 18	**103**	
Xiaosen Ouyang *University of Alabama at Birmingham*	Cardiomyocyte ZKSCAN3 regulates cardiac adaption to pressure-overload induced hypertrophy	Cardiovascular and Pulmonary	Fri, Nov 18	**104**	
Xiaosen Ouyang *University of Alabama at Birmingham*	Role of ZKSCAN3 and redox signaling in bacterial lung infection	Cardiovascular and Pulmonary	Fri, Nov 18	**105**	
Le Gia Cat Pham *Albany Medical College*	Investigating the role of cytoglobin in regulating fibroblast function during vascular remodeling	Cardiovascular and Pulmonary	Fri, Nov 18	**106**	
Marissa Pokharel *Florida International University*	NAMPT induces Mitochondrial and Barrier Dysfunction in Pulmonary Endothelial Cells	Cardiovascular and Pulmonary	Fri, Nov 18	**107**	
Abinayaa Rajkumar *University of Madras*	Understanding The HDL Proteome Differences Between CVD And Non-CVD Prone Populations	Cardiovascular and Pulmonary	Fri, Nov 18	**108**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Karina Ricart *University of Alabama at Birmingham*	Does the Oral microbiome modulate nitric oxide signaling and BPD risk in premature infants?	Cardiovascular and Pulmonary	Fri, Nov 18	**109**	
Madison Seman *West Virginia University*	Maternal Inhalation of Electronic Cigarette Vapor Increases XOR Activity in the Dam and Her Offspring	Cardiovascular and Pulmonary	Fri, Nov 18	**111**	
Laura Sherlock *University of Colorado*	Neonatal selenium deficiency decreases selenoproteins in the lung and impairs pulmonary alveolar development	Cardiovascular and Pulmonary	Fri, Nov 18	**112**	
Navaneeth Shibu *University of Alabama at Birmingham*	N-Acetyl Cysteine Administration Impairs EKG Signals in the Humanized Reductive Stress Mouse	Cardiovascular and Pulmonary	Fri, Nov 18	**113**	
Matthew Ryan Smith *Emory University*	The Role of Aconitase Dysregulation in Group 3 Pulmonary Hypertension.	Cardiovascular and Pulmonary	Fri, Nov 18	**114**	
Xutong Sun *Center for Translational Science and Department of Environmental Health*	Mitochondrial redistribution of eNOS is regulated by CHIP mediated disruption of Dimerization	Cardiovascular and Pulmonary	Fri, Nov 18	**115**	
Sini Sunny *University of Alabama at Birmingham*	Chronic Reductive Stress Modifies Ribosomal Proteins in Nrf2 Transgenic Mouse Hearts	Cardiovascular and Pulmonary	Fri, Nov 18	**116**	
Changhai Tian *University of Kentucky*	Cardiac-derived extracellular vesicles contribute to sympathetic excitation by disrupting the central redox homeostasis in heart failure	Cardiovascular and Pulmonary	Fri, Nov 18	**117**	
Jose Pablo Vazquez-Medina *University of California, Berkeley*	Peroxiredoxin 6 suppresses ferroptosis in lung endothelial cells	Cardiovascular and Pulmonary	Fri, Nov 18	**118**	
Peter Vitiello *University of Oklahoma Health Sciences Center*	Decreased mitochondrial respiration in cardiac fibers isolated from a mouse model of Friedreich's ataxia	Cardiovascular and Pulmonary	Fri, Nov 18	**120**	
Jialin Wu *Florida International University*	S1PR3 Plays a Key Role in Ventilator-induced Lung Injury: Promoter Activation, Barrier Disruption, and Therapeutic Evaluation	Cardiovascular and Pulmonary	Fri, Nov 18	**121**	
Hongwei Yao *Brown University*	Fatty acid synthesis during postnatal lung development and injury in mice	Cardiovascular and Pulmonary	Fri, Nov 18	**122**	
Margaret Bell *University of Alabama at Birmingham*	Revealing the relationships in gene expression and behavior in mice exposed to systemic modulation of the O-GlcNAcylation pathway	Metabolism/Bioenergetics	Fri, Nov 18	**124**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Gloria Benavides *University of Alabama at Birmingham*	Evaluation of mitochondrial function in human brain tissue in conjunction with oxidative stress markers	Metabolism/Bioenergetics	Fri, Nov 18	**125**	
Lun Cai *Medical College of Georgia*	Heme regulation in BACH1 knockout mice with sepsis	Metabolism/Bioenergetics	Fri, Nov 18	**126**	
Robbie Cross *University of Alabama at Birmingham*	Pilot Study on the Effect of Stress on Gut Microbial Metabolism in Black and White Undergraduate Students	Metabolism/Bioenergetics	Fri, Nov 18	**127**	
Chelsey Fontenot *Louisiana State University*	Nitric Oxide reversibly inhibits the redox transition of the [2Fe-2S] cluster in the mitochondrial outer membrane protein mitoNEET	Metabolism/Bioenergetics	Fri, Nov 18	**128**	
Andrew Giromini *West Virginia University*	Does hepatocyte-specific knockout of xanthine dehydrogenase mediated prevention of hyperuricemia alter metabolic outcomes allied to obesity?	Metabolism/Bioenergetics	Fri, Nov 18	**130**	
Victor Hernandez Bahamondes *Universidad de Atacama*	Molecular Oxidation on Day and Night Shift High Altitude Workers.	Metabolism/Bioenergetics	Fri, Nov 18	**132**	
Blanka Holendova *Institute of Physiology, Czech Academy of Sciences*	NOX4 activity in mouse ?-cells is important for the development of inflammation upon chronic overnutrition	Metabolism/Bioenergetics	Fri, Nov 18	**133**	
Martin Jaburek *Institute of Physiology, Czech Academy of Sciences*	Mitochondrial Redox Signaling Promotes GPR40 Agonist-Dependent Amplification of Insulin Secretion at Low Substimulating Glucose	Metabolism/Bioenergetics	Fri, Nov 18	**134**	
Zachery Jarrell *Emory University*	Dietary Phytochelatins and Their Impact on Selenium Reuptake	Metabolism/Bioenergetics	Fri, Nov 18	**135**	
Petr Jezek *Institute of Physiology of the Czech Academy of Sciences, Prague*	Mitochondrial Redox Signaling during Fatty Acid-Stimulated Insulin Secretion	Metabolism/Bioenergetics	Fri, Nov 18	**136**	
Nana Katsuta *Tokai University*	The evaluation of S-(2-succinyl)cysteine, a marker for mitochondrial dysfunction, in chronic kidney disease	Metabolism/Bioenergetics	Fri, Nov 18	**138**	
Oleh Khalimonchuk *University of Nebraska-Lincoln*	An ALS-linked mutation in the metallopeptidase Oma1 impinges on its activity and impairs mitochondrial fidelity	Metabolism/Bioenergetics	Fri, Nov 18	**139**	
Alicia Kowaltowski *Universidade de São Paulo*	Adiponectin Promotes Glucose-Sensitive Insulin Secretion and Prevents Beta-Cell Damage by Obesity	Metabolism/Bioenergetics	Fri, Nov 18	**140**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Jerome Lapointe *Agriculture and Agri-Food Canada*	Feeding high levels of zinc oxide to post-weaned piglets perturbs mitochondrial energy production, antioxidant defences and copper metabolism.	Metabolism/Bioenergetics	Fri, Nov 18	**141**	
Alexandra Latini *Universidade Federal de Santa Catarina*	Tetrahydrobiopterin metabolism is impaired in chemically-induced, idiopathic and genetic mitochondrial deficiencies	Metabolism/Bioenergetics	Fri, Nov 18	**142**	
Linhui Li *University of California, Davis*	A New Paradigm in Inositol and Pulmonary Fibrogensis	Metabolism/Bioenergetics	Fri, Nov 18	**143**	
Santiago Mansilla *Universidad de la República - Uruguay*	Characterization of human mitochondrial aconitase and its interaction with frataxin	Metabolism/Bioenergetics	Fri, Nov 18	**145**	
Raffaella Mastrocola *University of Turin, Italy*	Anti-inflammatory and anti-glycative properties of zinc-enriched spirulina in diet-induced obese/diabetic mice	Metabolism/Bioenergetics	Fri, Nov 18	**146**	
Miranda Mathieson *Queens University*	Developing a Novel Approach to Assess Mitochondrial Bioenergetics in the Murine Optic Nerve	Metabolism/Bioenergetics	Fri, Nov 18	**147**	
Hideo Matsuzaki *University of Fukui*	Linoleic acid and linoleate diols in neonatal cord blood influence birth weight	Metabolism/Bioenergetics	Fri, Nov 18	**148**	
Edwin Miranda *University of Utah*	Muscle GLO1 is Attenuated with Obesity and Regulated by SIRT2 and NAMPT via NAD+	Metabolism/Bioenergetics	Fri, Nov 18	**149**	
Ryoji Nagai *Tokai University*	Detection of several AGEs for evaluation of oxidative stress and metabolic disorders in vivo	Metabolism/Bioenergetics	Fri, Nov 18	**150**	
Antonio Marcus Paes *Federal University of Maranhão - Brazil*	Resistance Training Reverts Skeletal Muscle Oxidative and Endoplasmic Reticulum Stresses Induced by Early Dietary Exposure to Added Sugars.	Metabolism/Bioenergetics	Fri, Nov 18	**152**	
Alessandra Pecorelli *North Carolina State University*	Loss of Scavenger Receptor B1 (SR-B1) in Brain of a Rett Syndrome Mouse Model	Metabolism/Bioenergetics	Fri, Nov 18	**153**	
Pavla Pruchova *Institute of Physiology Czech Academy of Sciences*	Redox-Sensitive Mitochondrial Phospholipase A2? Participates in Oxidant-Stimulated and Norepinephrine-Stimulated UCP1-Dependent Thermogenesis	Metabolism/Bioenergetics	Fri, Nov 18	**154**	
Lucia Seale *University of Hawaii*	Ferroptosis in the brown adipose tissue of mice lacking selenocysteine lyase	Metabolism/Bioenergetics	Fri, Nov 18	**155**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Vlad Serbulea *University of Virginia*	Augmentation of Smooth Muscle Aerobic Glycolysis Rescues Atherosclerosis-associated Mortality in Mice	Metabolism/Bioenergetics	Fri, Nov 18	**156**	
Abhishek Shastry *Queen's University - Canada*	Mitochondrial DNA-Dependent Changes in Lipid Flux and Oxidative Stress in Skeletal Muscle	Metabolism/Bioenergetics	Fri, Nov 18	**157**	
Ildiko Szanto *Geneva University Hospitals*	The NADPH oxidase NOX4 and the transcription factor STAT6 as two key regulators of peripheral fat distribution in diet-induced obesity	Metabolism/Bioenergetics	Fri, Nov 18	**158**	
Anezka Vodickova *University of Rochester*	Mitochondrial energy state impacts foraging behavior in C. elegans	Metabolism/Bioenergetics	Fri, Nov 18	**160**	
Mia Wilkinson *Queen's University / Kingston - Canada*	Nuclear-Mitochondrial DNA Mismatch Induces Tissue-Specific Gene Expression Profiles: Transcriptomic Analysis of Subcutaneous and Visceral White Adipose Tissues in Mice	Metabolism/Bioenergetics	Fri, Nov 18	**162**	
Dianna Xing *University of Alabama at Birmingham*	Mitochondrial Metabolism Protects Against Rotenone-Induced Complex I Inhibition	Metabolism/Bioenergetics	Fri, Nov 18	**163**	
Manivannan Yegambaram *Florida International University*	Mitochondrial Hyperfusion Disrupts Carbohydrate Metabolism In Lung Endothelial Cells By Modifying The Activities Of Electron Transport Chain Complexes I And III	Metabolism/Bioenergetics	Fri, Nov 18	**164**	
Ricardo Alva *Brock University*	Oxygen tension differentially affects gene expression in four cancer cell lines	Cancer	Sat, Nov 19	**165**	
Diana Averill-Bates *Université du Québec à Montréal*	The role of ROS and Nrf2 in the induction of a hormetic, adaptive stress response during mild heat shock at 40°C	Cancer	Sat, Nov 19	**166**	
Meltem Barlin *Washington University Medical School*	Nox4 regulates cancer cell plasticity influencing autophagy state of cells.	Cancer	Sat, Nov 19	**167**	
Khaliunaa Bayanbold *The University of Iowa*	Ferritin Overexpression Limits Intracellular Labile Iron and Induces Replication Stress in Lung Cancer Cells	Cancer	Sat, Nov 19	**168**	
Rebecca Bingham *Oregon State University*	Site-Specific Tyrosine Nitration of Heat Shock Protein 90 Plays Distinct Roles in Glioblastoma Multiforme	Cancer	Sat, Nov 19	**169**	
Luksana Chaiswing *University of Kentucky*	Sensitization of Resistant Prostate Cancers to Radiation Through Mitochondrial Translation Targeting Coupled With Overloading Mitochondrial ROS	Cancer	Sat, Nov 19	**170**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Tiphany De Bessa *Heart Institute, University of Sao Paulo School of Medicine*	Protein Disulfide Isomerase-A1 (PDIA1) Remodels Endoplasmic Reticulum -Plasma Membrane Contact Sites: Possible Role of Nogo-B Protein Regulation.	Cancer	Sat, Nov 19	**172**	
Amal Elhaw *University of Pittsburgh*	Orchestrated expression of the atypical Rho-GTPase, RHOV, in response to matrix detachment of ovarian cancer cells	Cancer	Sat, Nov 19	**174**	
Katiana Hebbert *Kansas City University*	Targeting lipolysis in pancreatic cancer microenvironment induces lipid peroxidation and suppresses cancer cells growth.	Cancer	Sat, Nov 19	**175**	
Jason Held *Washington University*	GSTP1 silencing in breast cancer is a redox vulnerability that redirects the flux of cysteine oxidation in the proteome	Cancer	Sat, Nov 19	**176**	
Fuminori Hyodo *Gifu University*	Comparison of redox alteration and cancer metabolism after radiation treatment of tumor using in vivo DNP-MRI and dissolution DNP-MRS	Cancer	Sat, Nov 19	**177**	
Chang Jiang *H. Lee Moffitt Cancer Center and Research Institute*	Targeting Glutathione Reductase in KEAP1/NRF2 Mutant NSCLC	Cancer	Sat, Nov 19	**179**	
Tetsuro Kamiya *Gifu Pharmaceutical University*	Potential Role of Exosomes and N-glycosylation in the Extracellular Secretion and Function of LOX Family Proteins in Human Breast Cancer MDA-MB-231 Cells	Cancer	Sat, Nov 19	**180**	
Haojian Li *National Institutes of Health*	CRISPR Metabolic Screen Identifies ATM and KEAP1 as Targetable Genetic Vulnerabilities in Solid Tumors	Cancer	Sat, Nov 19	**182**	
Irshad Lone *Govt. Degree College Handwara (affliated to the University of Kashmir,*	Chemopreventive effect of dietary aloin on diethylnitrosamine (DEN)/ferric nitrolotriacetate (Fe-NTA) mediated hepatic carcinogenesis - delineation of its implicated mechanisms	Cancer	Sat, Nov 19	**184**	
Mijiti Maihemuti *Indiana University*	Cysteine 65 in Ref-1 is essential for Ref-1 redox function and transcriptional regulation in human PDAC cells	Cancer	Sat, Nov 19	**185**	
Beatriz Mateo-Victoriano *University of Miami*	Cellular 8-oxodGTPase activity as a novel target in KRAS-driven pancreatic cancer	Cancer	Sat, Nov 19	**186**	
Joshua A. McDowell *University of Nebraska Medical Center*	The role of adipose tissue signaling in response to therapeutic radiation exposure	Cancer	Sat, Nov 19	**187**	
Marc Mendonca *Indiana University School of Medicine, IUPUI*	Radiation-induced Pancreatic Cancer Cell Killing by Simultaneous Inhibition of NF-kB and Warburg Metabolism	Cancer	Sat, Nov 19	**188**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Ginger Milne *Vanderbilt University Medical Center*	A Bidirectional and Phase-Dependent Effect of Oxidative Stress on Colorectal Cancer: First Evidence in Humans	Cancer	Sat, Nov 19	**190**	
Allison Moreno Samayoa *University of Arizona*	Sulfur Restriction and N-Acetyl Cysteine Induces Cell Death in Breast Cancer	Cancer	Sat, Nov 19	**191**	
Kyle Nguyen *Oregon State University*	Nitrated Hsp90 Supports Glioblastoma Multiforme Cell Survival by Maintaining P2X7 Receptor Activation	Cancer	Sat, Nov 19	**193**	
Rebecca Oberley-Deegan *University of Nebraska Medical Center*	Redox Metabolism in the context of Radiation Damage in Fibroblast and Adipocytes	Cancer	Sat, Nov 19	**194**	
Andrew Paek *The University of Arizona*	Activation of p53 and FOXO Transcription Tactors in Response to Oxidative Stress Occurs in Distinct Temporal Phases	Cancer	Sat, Nov 19	**195**	
Shazib Pervaiz *National University of Singapore*	mTORC2 mediated ROS-induced Activation of Akt Selectively Targets Mutant KRAS Addicted Cancers	Cancer	Sat, Nov 19	**196**	
Casey Pulliam *The University of Iowa*	Pharmacological Ascorbate (P-AscH-) Combined with SOD mimetic GC4711 Induces Radio-chemo-sensitization via Fe- and H2O2-dependent Mechanisms in Human Non-Small Cell Lung Cancer	Cancer	Sat, Nov 19	**198**	
Sherif Rashad *Tohoku University*	Codon usage and mRNA stability are translational determinants of cellular response to canonical ferroptosis inducers	Cancer	Sat, Nov 19	**199**	
Dario Ramirez *Laboratory of Experimental and Translational Medicine - National*	Marmesin and marmelosin interact with the heparan sulfatase-2 active site: Potential mechanism for the antitumor effect of phytochemicals from bael fruit	Cancer	Sat, Nov 19	**200**	
Melinda R Rydberg *Oregon State University*	Role of Nitrated Proteins in Triple Negative Breast Cancer Survival/Proliferation and Migration	Cancer	Sat, Nov 19	**201**	
Katrin Schroeder *Goethe University*	NoxO1 and Erbin- a cooperation to control EGFR-signaling ?	Cancer	Sat, Nov 19	**203**	
Mekhla Singhania *The University of Iowa*	Investigating the Role of Hydrogen Peroxide and Fe in Pharmacological Ascorbate induced Chemo-Radio-sensitization in Lung Cancer	Cancer	Sat, Nov 19	**204**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Priscilla Tang *University of Pittsburgh*	SIRT3 supports anchorage-independent survival of ovarian cancer cells by regulating mitochondrial redox signaling	Cancer	Sat, Nov 19	**205**	
Ester Zito *Mario Negri Institute of pharmacological science*	ERO1 alpha deficiency impairs angiogenesis by increasing N-glycosylation of a proangiogenic VEGFA	Cancer	Sat, Nov 19	**206**	
Rogério Aleixo Silva *University of São Paulo - Brazil*	LsfA, a 1-Cys Peroxiredoxin involved with Pseudomonas aeruginosa virulence: Structure, biochemical activity, and its influence in inflammation/resolution	Chemical Biology	Sat, Nov 19	**207**	
Amanda Allender *Villanova University*	Building a Better Nrf2 Activator: Targeting Keap1 Cysteine 151 with Electrophiles	Chemical Biology	Sat, Nov 19	**208**	
Silvina Bartesaghi *Universidad de la Republica - Uruguay*	Peroxynitrite-Mediated Oxidative Modifications of Nerve Growth Factor (NGF)	Chemical Biology	Sat, Nov 19	**209**	
Louise Bennett *Monash University*	Anxiolytic Effects of Essential Oils May Involve Redox Biology in the Brain	Chemical Biology	Sat, Nov 19	**210**	
Andrew Bischer *University of Rochester Medical Center*	Internal ROS Generation Drives Foraging Decisions in C. elegans	Chemical Biology	Sat, Nov 19	**211**	
Nicolás Campolo *Universidad de la República*	Mechanisms of Oxidative Inactivation of Human Glutamine Synthetase	Chemical Biology	Sat, Nov 19	**212**	
Tilottama Chatterjee *Oregon State University*	Subpopulations of Nitrated Hsp90 Exhibit Distinct Patterns of Structure, Stability and Pathological Functions	Chemical Biology	Sat, Nov 19	**213**	
Marcie Cole *University of Louisville*	A Novel, Nitric Oxide-Releasing Elastomeric Chain for Antimicrobial Action	Chemical Biology	Sat, Nov 19	**214**	
Litiele Cruz *University of São Paulo - Brazil*	Laminin is the main brominated protein by hypobromous acid and Peroxidasin in the extracellular matrix	Chemical Biology	Sat, Nov 19	**215**	
Adely De la Pena *San Sebastian University*	Galectin-8 induces mitochondrial fission and redistribution to the perinuclear zone associated with epithelial–mesenchymal transition in MDCK cells	Chemical Biology	Sat, Nov 19	**216**	
Kaio de Souza Gomes *Federal University of ABC - UFABC*	Synergistic Effects Between Neolignans Derivatives and Copper II Improves In Vitro Anti-Breast Cancer Activity	Chemical Biology	Sat, Nov 19	**217**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Veronica Demicheli *Universidad de la Repúbica, Uruguay*	Lysine acetylation in human MnSOD may protect from tyrosine-34 nitration and enzyme inactivation	Chemical Biology	Sat, Nov 19	**218**	
Nuran Ercal *Missouri S&T*	Investigation of novel nanoplatforms for delivery of an anticataract drug in whole lens cultures	Chemical Biology	Sat, Nov 19	**220**	
David Heppner *The State University of New York at Buffalo*	Architecture of the NADPH oxidase family of enzymes	Chemical Biology	Sat, Nov 19	**222**	
Robert Hondal *University of Vermont*	A Szeto-Schiller Peptide Containing 2-thioHistidine Has Enhanced Antioxidant Activity in vitro	Chemical Biology	Sat, Nov 19	**223**	
Alex Inague *University of São Paulo - Brazil*	7-Dehydrocholesterol protects membrane phospholipids from oxidation	Chemical Biology	Sat, Nov 19	**224**	
Hiromu Ito *National Institutes for Quantum Science and Technology*	Adjunctive effects with continual X-ray irradiation for effective photodynamic therapy	Chemical Biology	Sat, Nov 19	**225**	
Suryamin Liman *The University of Iowa*	Targeting Hemoproteins with Carbon Monoxide Prevents Hyperoxia-induced Cartilage Injury	Chemical Biology	Sat, Nov 19	**227**	
Taiming Liu *Loma Linda University*	Artifacts introduced by sample handling in chemiluminescence assays of NO species	Chemical Biology	Sat, Nov 19	**228**	
Camilo Lopez *Pontificia Universidad Católica de Chile*	Role of Amino Acid Oxidation in the Peroxyl Radical Mediated Inactivation of Glucose-6-Phosphate Dehydrogenase and 6-Phosphogluconate Dehydrogenase: Two Key Enzymes of the Pentose Phosphate Pathway	Chemical Biology	Sat, Nov 19	**230**	
Camilo Lopez *Pontificia Universidad Católica de Chile*	Functional Changes of Glucose-6-Phosphate Dehydrogenase Induced by Peroxyl Radicals and Peroxynitrite: Oxidation of Specific Amino Acids and Relevance of Protein Unfolding	Chemical Biology	Sat, Nov 19	**231**	
Ken-ichiro Matsumoto *National Institutes for Quantum Science and Technology*	Evaluation of redox responses of mouse colorectum tissue after X-ray irradiation	Chemical Biology	Sat, Nov 19	**232**	
Elena Menshchikova *Federal Research Center for Basic and Translational Medicine*	Antiproliferative Effect of Novel Phenolic Antioxidant TS-13 in vitro	Chemical Biology	Sat, Nov 19	**234**	
Matias Moller *Universidad de la Republica*	Hydrogen peroxide diffusion across human red blood cell membranes is not facilitated by aquaporins	Chemical Biology	Sat, Nov 19	**235**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Daniel Moreira *University of Brasilia*	Redox Imbalance and Oxidative Eustress during Larval-Pupal Transition in a Holometabolous Insect	Chemical Biology	Sat, Nov 19	**236**	
Ikuo Nakanishi *National Institutes for Quantum Science and Technology*	pH Effect on the Kinetic Isotope Effect in the Hydrogen Transfer from Trolox to Water-Solubilized 2,2-Diphenyl-1-picrylhydrazyl Radical in Phosphate Buffer Solutions	Chemical Biology	Sat, Nov 19	**237**	
Marina Nogueira *Vanderbilt University Medical Center*	Interplay between lipid peroxidation and miRNA profiles in women	Chemical Biology	Sat, Nov 19	**238**	
Manuela Pose *Universidad de la Republica - Uruguay*	Selective Hydrogen Sulfide Fluorescent Detection in Biochemical Systems though Excimer Formation	Chemical Biology	Sat, Nov 19	**240**	
Yadira Ramírez Rodríguez *Instituto Potosino de Investigación Científica y Tecnológica A.C.*	Vasoactive effects associated with calcium channel blockade through a pitaya juice concentrate (Stenocereus huastecorum): Identification of compounds bioactive.	Chemical Biology	Sat, Nov 19	**242**	
Luiz Ramos *University of São Paulo*	Triplet carbonyls generated by peroxynitrite-treated Schiff base: a model study	Chemical Biology	Sat, Nov 19	**243**	
Daniela Ramos Truzzi *University of Sao Paulo*	The influence of non-thiol biomolecules on dinitrosyl iron complex (DNIC) formation	Chemical Biology	Sat, Nov 19	**244**	
Aníbal M. Reyes *Universidad de la Republica - Uruguay*	Human peroxiredoxin 3 is rapidly oxidized and hyperoxidized by lipid hydroperoxides	Chemical Biology	Sat, Nov 19	**245**	
Nathália Rocco Machado *National Institutes of Health*	Activation of Ca2+/Calmodulin Dependent Kinase II (CaMKII) by Oxidation	Chemical Biology	Sat, Nov 19	**246**	
Ibukunoluwa Sodiya *Villanova University*	Quantitating Nrf2-regulated cytoprotective proteins using an LC-MS/MS data-independent acquisition method	Chemical Biology	Sat, Nov 19	**248**	
Hikari Sugawa *Tokai University*	Elucidation Of The Pathway For CML Formation From Ribose	Chemical Biology	Sat, Nov 19	**250**	
Andrew Tennyson *Clemson University*	A catalase mimic with unparalleled activity, stability, and selectivity	Chemical Biology	Sat, Nov 19	**251**	
Jose Trujillo Hernandez *National Institutes of Health*	Deciphering the mechanism for resistance to oxidative stress of a mouse lacking methionine sulfoxide reductases.	Chemical Biology	Sat, Nov 19	**252**	

POSTER PRESENTATIONS
(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Monica Vidal-Franco *Oregon State University*	Establishing Nitrated Hsp90 Cellular Interactome	Chemical Biology	Sat, Nov 19	**253**	
Dario Vitturi *University of Alabama at Birmingham*	Redox Modulation by Tryptophan Metabolism: Role of Kynurenine-derived Electrophiles	Chemical Biology	Sat, Nov 19	**255**	
Xena Williams *West Virginia University*	Xanthine Oxidase Contributes to Diminished Vascular Function Mediated by Inhalation of Nano-TiO2	Chemical Biology	Sat, Nov 19	**256**	
Yakov Woldman *Valdosta State University*	Quantitation of Reactive Species in Cellular Systems	Chemical Biology	Sat, Nov 19	**257**	
Libin Xu *University of Washington*	Differential contributions of distinct free radical peroxidation mechanisms to the induction of ferroptosis	Chemical Biology	Sat, Nov 19	**258**	
Jongtae Yang *Thermo Fisher Scientific*	MitoSOX Green for Visualizing Superoxide in Mitochondria	Chemical Biology	Sat, Nov 19	**259**	