Poster Presentations *(alphabetically by Presenting Author's Last Name)*

Presenting Author	Abstract Title	Category	Poster Session	Poster No.
Cassandra Aegerter	**Thioredoxin-1 is required for embryonic and perinatal growth**	Signal Transduction / Redox	Sat, Dec 2	**270**
Bumsoo Ahn	**MnSod deficiency causes significant mitochondrial abnormalities and**	Aging	Thurs, Nov 30	**049**
Takaaki Akaike	**Moonlighting functions of cysteinyl-tRNA synthetases: cycteine**	Signal Transduction / Redox	Sat, Dec 2	**271**
Muayad Albadrani	**Microcystin exposure exacerbates nonalcoholic fatty liver disease**	Reaction Mechanisms and	Thurs, Nov 30	**070**
Matthew Alexander	**Ascorbate Decreases Circulating Tumor Cells (CTCs) in Mice with**	Cancer	Fri, Dec 1	**107**
Firas Alhasson	**Microcystin activates renal NOX2 and exacerbates nonalcoholic fatty**	Signal Transduction / Redox	Sat, Dec 2	**272**
Matthew Amdahl	**Interactions of zebrafish Cytoglobins with oxygen and nitric oxide**	Antioxidants and Antioxidant	Thurs, Nov 30	**001**
Mohammad Ansari	**Butein: a plant derived small molecule activates autophagy and**	Cell Biology	Fri, Dec 1	**201**
Mutay Aslan	**Changes in PUFA Levels and Inflammation in a Cell Model of**	Inflammation and Immunity	Sat, Dec 2	**300**
Mohamad Hafizi Abu	**Alterations of cultured myotubes and fasting plasma metabolite**	Metabolism and Bioenergetics	Sat, Dec 2	**243**
C. Jacyn Baker	**Relationship of bacterial growth and induced antioxidants in the leaf**	Antioxidants and Antioxidant	Thurs, Nov 30	**012**
T. Bandyopadhyay	**Severe redox stress correlates with pH changes in the cytosol and**	Signal Transduction / Redox	Sat, Dec 2	**273**
John Bang	**Induction of beta amyloid radical formation through Immuno-spin**	Neuroscience	Thurs, Nov 30	**087**
Miriam Barnett	**The genetically-encoded photosensitizer mini Singlet Oxygen**	Reaction Mechanisms and	Thurs, Nov 30	**071**
Jessie Barra	**Tannic acid capsules decrease redox-dependent pro-inflammatory**	Inflammation and Immunity	Sat, Dec 2	**301**
Sander Bekeschus	**Cytochrome C oxidase Inhibition and Exogenous Oxidants Synergize**	Cancer	Fri, Dec 1	**108**
Pol Besenius	**Transient hydrogels mediated by redox-switchable supramolecular**	Redox Switches	Fri, Dec 1	**196**
Shylesh Bhaskaran	**Inducible motor neuron specific deletion of CuZn Superoxide**	Aging	Thurs, Nov 30	**050**
Zachary Bitzer	**Effect of Flavoring Chemicals on Free Radical Formation in**	Inflammation and Immunity	Sat, Dec 2	**302**
Iryna Bohovych	**Redox regulation of the conserved mitochondrial protease Oma1**	Cell Biology	Fri, Dec 1	**202**
Jenner Bonanata	**The microenvironment of the sulfenic acid of human serum albumin:**	Antioxidants and Antioxidant	Thurs, Nov 30	**002**
Debra Boyd-Kimball	**Effect of Acute Voluntary Exercise on Expression and Oxidative**	Neuroscience	Thurs, Nov 30	**088**
Andrea Braganza	**Myoglobin regulates the function of the E3 ligase Parkin to modulate**	Cancer	Fri, Dec 1	**109**
Garry Buettner	**Estimating and partitioning the flux of ATP in cells in culture using**	Metabolism and Bioenergetics	Sat, Dec 2	**235**
D. Allan Butterfield	**Oxidative Stress and mTOR Activation in Down Syndrome Brain:**	Neuroscience	Thurs, Nov 30	**086**
Shana Cameron	**Effects of Nanosilver on Antioxidant and Xenobiotic Response**	Antioxidants and Antioxidant	Thurs, Nov 30	**003**
Saira Cancela	**Nitrones as Potencial Therapeutic Agents Against Neurodegenerative**	Antioxidants and Antioxidant	Thurs, Nov 30	**004**
Hui Cao	**Inhibition of resveratrol glucosides against AGEs formation**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**214**
Mara Carreño	**Redox modulation of hSIRT6, key enzime of metabolism and**	Lipids and Electrophiles	Thurs, Nov 30	**040**
Dustin Carroll	**A Novel MnSOD mimetic targets various redox states to selectively**	Cancer	Fri, Dec 1	**110**
Matthew Cerda	**Expanding Polysulfides - Applications of Organic Tetrasulfides as**	Antioxidants and Antioxidant	Thurs, Nov 30	**005**
Luksana Chaiswing	**Redox State Determines The Differential Effects Of Redox-Cycle**	Cancer	Fri, Dec 1	**111**
V. Chandrashekaran	**P2X7 receptor-NOX2 axis mediates tryptophan oxidation in murine**	Signal Transduction / Redox	Sat, Dec 2	**275**

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Presenting Author	Abstract Title	Category	Poster Session	Poster No.
Frederick Chang	**Common transcriptomic changes regulated by innate immune**	Signal Transduction / Redox	Sat, Dec 2	**276**
Chun-An Chen	**Modulation of p53 by DUSP4 serves a novel therapeutic strategy in**	Cardiovascular	Fri, Dec 1	**153**
Stephen Chong	**Serine-70 Phosphorylation of Bcl-2 activates its redox rheostat**	Redox Switches	Fri, Dec 1	**197**
Ian Corbin	**Low-Density Lipoprotein Docosahexaenoic Acid Nanoparticles Kill**	Cancer	Fri, Dec 1	**113**
Elizabeth Corteselli	**Lipid Hydroperoxides as Mediators of Ozone-Induced Oxidative**	Lipids and Electrophiles	Thurs, Nov 30	**041**
Marina Darenskaya	**The correlation between antioxidant deficiency and reproductive**	Clinical/Translational Studies	Fri, Dec 1	**181**
Marina Darenskaya	**Oxidative stress parameters in adolescent boys with exogenous-**	Clinical/Translational Studies	Fri, Dec 1	**182**
Marina Darenskaya	**Evaluation of lipid peroxidation parameters in small nationality -**	Metabolism and Bioenergetics	Sat, Dec 2	**238**
M. Rojo de la Vega	**The apocarotenoid bixin protects mouse skin against UV-induced**	Signal Transduction / Redox	Sat, Dec 2	**293**
Anita Del Guercio	**Kinetic Characterization of the Redox Regulation of OhrR**	Antioxidants and Antioxidant	Thurs, Nov 30	**007**
Hannah Despres	**Effect of palmitate on mitochondrial function and the implications on**	Inflammation and Immunity	Sat, Dec 2	**303**
Andrea Dlasková	**Superoxide generation, bioenergetics parameters, and mitochondrial**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**215**
Andrea Dodgen	**lipid peroxidation impairs proliferation and differentiation of skeletal**	Aging	Thurs, Nov 30	**053**
Matthew Dodson	**Arsenic-induced metabolic reprogramming: A role for autophagy,**	Signal Transduction / Redox	Sat, Dec 2	**277**
Divya Dubey	**Phototoxic mechanism of triclosan through involvement of type 1**	Cell Biology	Fri, Dec 1	**203**
Evan Elko	**Role of Peroxiredoxin 4 in Collagen Deposition in Mouse Models of**	Signal Transduction / Redox	Sat, Dec 2	**279**
Madelyn Espinosa-Cotton	**Interleukin-1 signaling is required for HNSCC tumor response to**	Cancer	Fri, Dec 1	**114**
Tim Etheridge	**Mitochondria-targeting hydrogen sulfide donors prolong healthspan:**	Aging	Thurs, Nov 30	**054**
Ghizal Fatima	**Deciphering the role of oxidative and antioxidative parameters and**	Antioxidants and Antioxidant	Thurs, Nov 30	**009**
Jolyn Fernandes	**Manganese Stimulates Putrescine Accumulation and Influences**	Metabolism and Bioenergetics	Sat, Dec 2	**239**
Milos Filipovic	**Chemical biology of H2S signalling through protein persulfidation**	Signal Transduction / Redox	Sat, Dec 2	**280**
Bruno Fink	**Multifunctional Supplement is that the Key to Modulate Redox**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**216**
Marco Fiocchetti	**Neuroglobin overexpression promotes mitochondrial fusion and**	Cell Biology	Fri, Dec 1	**204**
Aron Fisher	**Critical Role of Peroxiredoxin 6 in the Repair of Peroxidized Lung**	Lipids and Electrophiles	Thurs, Nov 30	**042**
Maria Clara Franco	**Tyrosine Nitration Is Necessary for the Survival of Schwannoma**	Cancer	Fri, Dec 1	**112**
Bruce Freeman	**Clinical Evaluation of the Safety and Therapeutic Potential of the**	Lipids and Electrophiles	Thurs, Nov 30	**043**
Norma Frizzell	**Protein Succination Exacerbates Oxidative Stress and Mediates**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**217**
Rajesh Kumar	**Induction of Immunogenic Cell Death upon Combinatorial Therapy**	Cancer	Fri, Dec 1	**123**
Detao Gao	**Characterization of covalent modifications of HDL apoproteins by**	Lipids and Electrophiles	Thurs, Nov 30	**044**
Beatriz García-Martínez	**Effect of alpha lipoic acid on oxidative stress and chronic**	Clinical/Translational Studies	Fri, Dec 1	**183**
Sean Gillis	**Loss of the nuclear receptor Rev-erbα results in upregulation of**	Metabolism and Bioenergetics	Sat, Dec 2	**240**
Samantha Giordano	**Estrogen signaling modulates mitochondrial ROS production and**	Inflammation and Immunity	Sat, Dec 2	**307**
Gwenny Go	**A sensitive and cost-effective fluorescence-based pyrogallol red assay**	Reaction Mechanisms and	Thurs, Nov 30	**072**

Presenting Author	Abstract Title	Category	Poster Session	Poster No.
Young-Mi Go	**Integrative omics-identified potential toxicity of environmental and**	Metabolism and Bioenergetics	Sat, Dec 2	**241**
Jose Godoy	**Expression of redox proteins in the heart after myocardial infarction**	Cardiovascular	Fri, Dec 1	**154**
Reema Goel	**Tobacco Smoke Free Radicals and related biomarkers of oxidative**	Clinical/Translational Studies	Fri, Dec 1	**184**
L. María González-Ortiz	**Early Perturbations in Mitochondrial Metabolism and Bioenergetics**	Cardiovascular	Fri, Dec 1	**163**
L.María González-Ortiz	**Changes in Mitochondrial Metabolism and Bioenergetics by**	Metabolism and Bioenergetics	Sat, Dec 2	**254**
Ravikumar Govindan	**Cancer Targeted Nitric oxide Delivery with a Fluorescence Reporter**	Cancer	Fri, Dec 1	**117**
Damian Guerra	**nNOS phosphorylatability presages NANC inhibition: investigation**	Signal Transduction / Redox	Sat, Dec 2	**281**
Jonas Hahn	**ROS is the boss**	Inflammation and Immunity	Sat, Dec 2	**309**
Alina Hanf	**The SGLT2 inhibitor empagliflozin improves the primary diabetic**	Cardiovascular	Fri, Dec 1	**155**
Luciana Hannibal	**Abnormal methylation and redox homeostasis in the onset and**	Genetics/Epigenetics	Thurs, Nov 30	**102**
Alex Harrison	**Novel regulatory mechanism of STAT1 through Redox Post-**	Signal Transduction / Redox	Sat, Dec 2	**282**
Richard Hartley	**Molecular probes to investigate mitochondrial superoxide**	Signal Transduction / Redox	Sat, Dec 2	**283**
Collin Heer	**Pentaazamacrocyclic SOD mimetics enhance pharmacological**	Cancer	Fri, Dec 1	**119**
Valeska Helfinger	**Hydrogen peroxide formation by Nox4 limits malignant**	Cancer	Fri, Dec 1	**120**
B. Hernández-Monjaraz	**Dental pulp mesenchymal stem cells for treatment of periodontal**	Clinical/Translational Studies	Fri, Dec 1	**186**
Elisa Higa	**EVALUATION OF P2X7 RECEPTOR EXPRESSION IN THE**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**218**
Aki Hirayama	**Exercise program for chronic kidney disease improves**	Clinical/Translational Studies	Fri, Dec 1	**187**
Aki Hirayama	**Over antioxidation, in addition to oxidative stress, contributes to the**	Clinical/Translational Studies	Fri, Dec 1	**188**
Annika Hoehn	**β-cells accumulate the age-related protein aggregate lipofuscin -**	Aging	Thurs, Nov 30	**056**
Blanka Holendová	**Identification of cysteine residues responsible for redox regulation of**	Metabolism and Bioenergetics	Sat, Dec 2	**244**
Yuya Horinouchi	**The effect of iron on skeletal muscle atrophy in chronic kidney**	Inflammation and Immunity	Sat, Dec 2	**310**
Boxian Huang	**HGF and bFGF secretion by human adipose-derived stem cells**	Aging	Thurs, Nov 30	**057**
Tomoaki Ida	**Cysteine hydropersulfide production catalyzed by cysteinyl-tRNA**	Signal Transduction / Redox	Sat, Dec 2	**284**
Yunki Im	**The mitophagy receptor FUNDC-1 contributes to hypoxia-**	Cell Biology	Fri, Dec 1	**206**
Irina Ingold	**Selenium utilization by GPX4 was an evolutionary requirement to**	Antioxidants and Antioxidant	Thurs, Nov 30	**010**
Tetsuro Ishii	**BDNF-p75NTR signaling axis regulates circadian activation of Nrf2**	Neuroscience	Thurs, Nov 30	**091**
M M Towhidul Islam	**Modulation of cardiac function by oxidized type I protein kinase A**	Cardiovascular	Fri, Dec 1	**174**
Alexander Ivanov	**Hepatitis C virus alters metabolism of biogenic polyamines by a ROS-**	Metabolism and Bioenergetics	Sat, Dec 2	**245**
Sausan Jaber	**Upregulation of enzymatic idebenone reduction activity after**	Metabolism and Bioenergetics	Sat, Dec 2	**246**
Martin Jaburek	**Phospholipase iPLA2γ participates in cellular antioxidant and anti-**	Antioxidants and Antioxidant	Thurs, Nov 30	**011**
Benjamin Jacob	**VPA inhibits P19 neural differentiation through redox dysregulation**	Signal Transduction / Redox	Sat, Dec 2	**285**
Samson Jamesdaniel	**Chronic lead exposure induces cochlear oxidative stress and impairs**	Neuroscience	Thurs, Nov 30	**092**
Sabzali Javadov	**Mitochondrial PTP Inhibition Through Cyclophilin D Has no**	Cardiovascular	Fri, Dec 1	**156**

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Chang Jeong	**Sulforaphaneâ€™s Stimulation of Nrf2/ARE-regulated Gene**	Signal Transduction / Redox	Sat, Dec 2	**286**
Petr Jezek	**Suppressors of complex 1 and 3 sites Q electron leak (S1QEL,**	Metabolism and Bioenergetics	Sat, Dec 2	**247**
Jackmil Puthoor Jogy	**Structural variations in selenium drugs determine selective toxicity**	Cancer	Fri, Dec 1	**134**
Sheetal Joshi	**A computational analysis of interactions of oxidative stress and**	Antioxidants and Antioxidant	Thurs, Nov 30	**013**
Sujung Jun	**Allele-Specific Effects of ecSOD in Bacterial Infection**	Inflammation and Immunity	Sat, Dec 2	**311**
Smriti Juriasingani	**AP39 mitigates the effects of normothermic organ preservation and**	Clinical/Translational Studies	Fri, Dec 1	**189**
Smriti Juriasingani	**21°C is the new normothermia for organ preservation in the presence**	Clinical/Translational Studies	Fri, Dec 1	**190**
Yuki Kakihana	**Detection and quantification of 2-oxo-histidine-containing dipeptides**	Antioxidants and Antioxidant	Thurs, Nov 30	**014**
Yoonseok Kam	**Bi-phasic metabolic responses during macrophage activation.**	Inflammation and Immunity	Sat, Dec 2	**312**
PATRICK KANG	**Increased Cysteine Sulfonation of the Hydrophilic Domain of**	Cardiovascular	Fri, Dec 1	**157**
Upasana Kapoor	**Plumbagin: Putative Mechanisms of Action mediating Cells Cycle,**	Cancer	Fri, Dec 1	**122**
Terrance Kavanagh	**Plasticity of Antioxidant Defense Pathways in Response to Aging and**	Aging	Thurs, Nov 30	**058**
Gizem Keceli	**HNO Modifies Cysteines 41 and 46 in the Transmembrane Domain of**	Cardiovascular	Fri, Dec 1	**158**
Eric Kelley	**Acute Pulmonary Nanoparticle Exposure Induces Middle Cerebral**	Cardiovascular	Fri, Dec 1	**159**
Mohd Khan	**Pleiotropic roles of Nrf2 as regulators of chondrocyte apoptosis,**	Signal Transduction / Redox	Sat, Dec 2	**287**
Ankit Khandelwal	**Redox modulatory and Anti-cancer property of Toluquinol, a marine**	Antioxidants and Antioxidant	Thurs, Nov 30	**015**
Daniel Kikuchi	**Poldip2 Activates the Rho Guanine Nucleotide Exchange Factor Ect2**	Cardiovascular	Fri, Dec 1	**160**
Yeon Soo Kim	**Increased Sod2 expression and activity enhances anchorage-**	Cancer	Fri, Dec 1	**142**
Uma Kizhuveetil	**Menadione induced reset of circadian superoxide rhythms in human**	Cancer	Fri, Dec 1	**121**
Gwanpyo Koh	**Mechanism underlying 2-Deoxy-D-ribose-induced oxidative damage**	Cell Biology	Fri, Dec 1	**207**
Vitaly Koltover	**Redox timer of aging: from free radical chemistry to systems theory**	Aging	Thurs, Nov 30	**059**
Vitaly Koltover	**Iron-sulfur [2Fe-2S] nitrosyl complexes as new trend in synthesis of**	Aging	Thurs, Nov 30	**060**
Adolf Koudelka	**Protective role of nitro-oleic acid in development of vascular**	Cell Biology	Fri, Dec 1	**208**
Kari Koval	**Protein S-Nitrosylation: Possible Links between Psychophysiological**	Neuroscience	Thurs, Nov 30	**093**
Andrey Kozlov	**Glutamate excitotoxicity induced by nitric oxide mediated**	Neuroscience	Thurs, Nov 30	**094**
Andrey Kozlov	**The impact of pro-inflammatory cytokines on the ROS mediated liver**	Inflammation and Immunity	Sat, Dec 2	**313**
Kimberly Krager	**The murine osteoclasts lacking transferrin receptor 1 have altered**	Metabolism and Bioenergetics	Sat, Dec 2	**249**
Philip Kramer	**Fatiguing Contractions Induce Acute Redox Signaling in Mouse**	Signal Transduction / Redox	Sat, Dec 2	**288**
Jana Kudova	**Nitro-oleic acid regulates fibroblast functions in different profibrotic**	Cell Biology	Fri, Dec 1	**209**
Murugaeson Kumar	**Chemical trapping and characterization of small oxoacids of sulfur**	Reaction Mechanisms and	Thurs, Nov 30	**073**
James Lambert	**Bromine Exposure In Pregnant Mice May Reduce VEGF Signaling**	Cardiovascular	Fri, Dec 1	**161**
Manuella Lanzetti	**ATRvD1 reverts cigarette smoke-induced emphysema by pro-**	Inflammation and Immunity	Sat, Dec 2	**314**
Jean-Claude Lavoie	**Dose-response effect of glutathione added in parenteral nutrition on**	Clinical/Translational Studies	Fri, Dec 1	**191**

Presenting Author	Abstract Title	Category	Poster Session	Poster No.
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Renato Leca	**Determination of vit D in tears of healthy individuals by the**	Reaction Mechanisms and	Thurs, Nov 30	**074**
Jeong-won Lee	**Ecklonia cava extract and dieckol attenuate cellular lipid**	Antioxidants and Antioxidant	Thurs, Nov 30	**016**
Szu-Hsien Lee	**Comparison on the Roles of COQ3 and COQ7 Proteins in**	Metabolism and Bioenergetics	Sat, Dec 2	**251**
Alberto Leguina-Ruzzi	**iPLA2γ ablation alters glucose homeostasis and insulin secretion in**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**220**
Jung Mi Lim	**Myristoylated Methionine Sulfoxide Reductase A Interacts with the**	Antioxidants and Antioxidant	Thurs, Nov 30	**018**
Rui-Ming Liu	**Interactions between gene, environment, and aging in modulation of**	Neuroscience	Thurs, Nov 30	**095**
Feng Liu-Smith	**Double discordance in the ROS-induction and anti-tumor activity of**	Cancer	Fri, Dec 1	**124**
Lucia Lopes	**Protein Disulfide Isomerase increases Nox1 activation through EGFR**	Signal Transduction / Redox	Sat, Dec 2	**289**
Marcos Lopez	**Mitochondrial Fuel Metabolic Differences in Triple Negative Breast**	Metabolism and Bioenergetics	Sat, Dec 2	**253**
Oliver Löwe	**Novel redox-targets of NADPH oxidase 4 identified by untargeted**	Redox Switches	Fri, Dec 1	**198**
Heather Lucas	**Conformational Modulation of α-Synuclein by Dynamic Metal**	Neuroscience	Thurs, Nov 30	**096**
Wei Feng Ma	**Divergent effects of wild-type and mutant p53 in the induction of**	Cancer	Fri, Dec 1	**116**
Sophie Maiocchi	**Endothelial-targeted nitroxides inhibit MPO-mediated endothelial**	Inflammation and Immunity	Sat, Dec 2	**315**
Ivan Mak	**Combination Antiretroviral Therapy (cART) Altered**	Cardiovascular	Fri, Dec 1	**162**
Hirofumi Matsui	**ROS increase chemo-reagent concentration by the down regulation of**	Cancer	Fri, Dec 1	**125**
Ken-ichiro Matsumoto	**Oxygen Induced Tissue Hypoxia**	Clinical/Translational Studies	Fri, Dec 1	**192**
Crystal McGee	**Overexpression of the yeast high affinity glutathione transporter,**	Antioxidants and Antioxidant	Thurs, Nov 30	**017**
Juan Melendez	**H2O2 and mTOR control the senescence-associated secretory**	Aging	Thurs, Nov 30	**062**
Juan Melendez	**Loss of epitranscriptomic control of selenocysteine utilization engages**	Cancer	Fri, Dec 1	**126**
Fabiana Melo	**The role of uncoupled nitric oxide synthase in melanoma development**	Cancer	Fri, Dec 1	**127**
Vojtech Mezera	**Tunicamycin exposure triggers apopotosis by superoxide formation**	Metabolism and Bioenergetics	Sat, Dec 2	**255**
Rowida Mohamed	**The role of stressors on the expression and function of Porcupine and**	Cancer	Fri, Dec 1	**129**
Fereshteh Moradi	**Estradiol and estrogen receptor-β agonist diarylpropionitrile promote**	Metabolism and Bioenergetics	Sat, Dec 2	**256**
Fernando Moreto	**Lycopene shows anti-protein carbonylation and anti-inflammatory**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**222**
Hozumi Motohashi	**IL-11 contribution to tumorigenesis in an NRF2 addiction cancer**	Cancer	Fri, Dec 1	**130**
Caitlynd Myburgh	**The relation of blood pressure and carotid intima-media thickness**	Cardiovascular	Fri, Dec 1	**164**
Enika Nagababu	**Effect of Nitrite and N-acetylcysteine Treatment on Blood Pressure,**	Cardiovascular	Fri, Dec 1	**165**
Nicholas Needham	**BODIPY labeled cellulose nanocrystals (CNCs) induces Il-1β**	Inflammation and Immunity	Sat, Dec 2	**316**
Boris Nemzer	**Oxidative stress or redox signaling - new insights into the effects of a**	Clinical/Translational Studies	Fri, Dec 1	**193**
Luis Netto	**Importing of peroxiredoxins to distinct mitochondrial compartments:**	Antioxidants and Antioxidant	Thurs, Nov 30	**019**
Huynh Nga Nguyen	**23-hydroxy ursolic acid protects atherosclerosis-prone mice from**	Cardiovascular	Fri, Dec 1	**166**
Natalia Nogueira	**Redox Paradox: The contribution of Reactive Oxygen Species (ROS)**	Metabolism and Bioenergetics	Sat, Dec 2	**257**

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Brianne O'Leary	**Inhibition of Peroxide Removal Enhances Pharmacological Ascorbate**	Cancer	Fri, Dec 1	**131**
Yukihiro Ogawa	**LET dependent hydroxyl radical generation in water by heavy-ion**	Reaction Mechanisms and	Thurs, Nov 30	**075**
Bryndon Oleson	**The role of mitochondrial metabolism in nitric oxide-dependent**	Signal Transduction / Redox	Sat, Dec 2	**290**
Bill Orr	**Peroxiredoxins and the pro-inflammatory immune response in**	Inflammation and Immunity	Sat, Dec 2	**317**
Koustubh Panda	**Oxidant(s) in tobacco smoke is the key etiopathogenic factor for**	Antioxidants and Antioxidant	Thurs, Nov 30	**020**
Nagakannan Pandian	**Contribution of Thioredoxin1 in modulation of lysosomal autophagy**	Neuroscience	Thurs, Nov 30	**097**
Nagakannan Pandian	**Lysosomal Permeabilization Facilitate Mitochondria-mediated Cell**	Neuroscience	Thurs, Nov 30	**098**
Felipe Paredes	**Poldip2 is an oxygen-sensitive mitochondrial protein that controls**	Metabolism and Bioenergetics	Sat, Dec 2	**258**
Rajesh Parsanathan	**Glucose-6-phosphate dehydrogenase deficiency and endothelial**	Cardiovascular	Fri, Dec 1	**167**
ARSHIYA PARVEEN	**Manganese nanoparticles induces endoplasmic reticulum stress**	Neuroscience	Thurs, Nov 30	**099**
Pranali Patel	**Inhibition of Cellular Proliferation by the Representative Organic**	Cancer	Fri, Dec 1	**132**
Beatriz Ferran Perez	**Effects of aging and sex on redox-regulation of ischemic**	Aging	Thurs, Nov 30	**055**
Shazib Pervaiz	**Tumor pro-oxidant enviroment stabilizes onco-protein c-myc via**	Cancer	Fri, Dec 1	**133**
Blaze Pharoah	**Design, Synthesis and Evaluation of Novel Alkyl Persulfide**	Antioxidants and Antioxidant	Thurs, Nov 30	**021**
Michael Pluth	**Chemical Tools for Delivery of COS and H2S Chemical Tools for**	Reaction Mechanisms and	Thurs, Nov 30	**076**
Maren Podszun	**Vitamin E (RRR-α-tocopherol) decreases hepatic de novo lipogenesis**	Antioxidants and Antioxidant	Thurs, Nov 30	**022**
Laura Corrales-Diaz	**Oxidizing Nano Particles (Smog) Induce Protective Levels of**	Aging	Thurs, Nov 30	**052**
Leslie Poole	**Impact of redox modifications on ERK2 substrate phosphorylation**	Signal Transduction / Redox	Sat, Dec 2	**292**
Stephanie Portillo	**Insights into the Mechanism of Peroxiredoxin 6 Sulfenic Acid**	Antioxidants and Antioxidant	Thurs, Nov 30	**023**
Neha qasim	**Protective effect of creatine against hyperglycemia induced oxidative**	Antioxidants and Antioxidant	Thurs, Nov 30	**024**
Namakkal Rajasekaran	**Cardiac-Specific Constitutive Activation of Nrf2 Induces a Stable**	Cardiovascular	Fri, Dec 1	**169**
Dario Ramirez	**Rationale for targeting Nrf2 to reduce the metabolic risk: a study in**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**224**
Dario Ramirez	**5,5-Dimethyl-1-pyrroline N-oxide modulates transcriptome and**	Inflammation and Immunity	Sat, Dec 2	**319**
Archit Rastogi	**FRET-based Screen for Cellular Redox Potential Changes Induced by**	Redox Switches	Fri, Dec 1	**199**
Leila Reyes	**Role of selenomethionine supplementation in the modulation of**	Antioxidants and Antioxidant	Thurs, Nov 30	**025**
Christopher Reyes	**Nitrite Regulates Mitochondrial Dynamics to Inhibit Vascular**	Cardiovascular	Fri, Dec 1	**170**
Flávia Rezende	**Redox control of renal metabolism and transport function by the**	Metabolism and Bioenergetics	Sat, Dec 2	**259**
Natalie Robinett	**Copper-only Superoxide Dismutases as Novel Drug Targets for**	Antioxidants and Antioxidant	Thurs, Nov 30	**026**
Elizabeth Rochon	**Nitrite improves zebrafish cardiac regeneration potentially by**	Cardiovascular	Fri, Dec 1	**171**
Diego Rossi	**Candida albicans FRE8 encodes a member of the NADPH oxidase**	Signal Transduction / Redox	Sat, Dec 2	**294**
Homero Rubbo	**Lipidomics and therapeutic potential of nitro-oleic acid acid in a**	Lipids and Electrophiles	Thurs, Nov 30	**045**
Adham Sabra	**Immunological and oxidative responses caused by cellulose**	Inflammation and Immunity	Sat, Dec 2	**320**
REDDY SUDHEER	**Role of cholesterol and oxysterols in regulating PTP1B activity**	Cell Biology	Fri, Dec 1	**210**

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Yoshiro Saito	**Decrease of Insulin Secretion is Induced by Excess Selenoprotein P-**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**226**
Yoshiro Saito	**Interleukin-27 Induces p47phox in Monocyte-derived Macrophages**	Inflammation and Immunity	Sat, Dec 2	**321**
S. Milena Sanabria-	**Effects Beyond Mitochondria in Triple Negative Breast Cancer of**	Cancer	Fri, Dec 1	**128**
M. Sanchez-Rodriguez	**Central adiposity is related with oxidative stress markers in**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**213**
Janine Santos	**The crosstalk between mitochondria and the epigenetic landscape**	Genetics/Epigenetics	Thurs, Nov 30	**103**
Matthew Savage	**Dr. Jekyll and Mr. Hyde: Reactive Oxygen Species Play Opposing**	Signal Transduction / Redox	Sat, Dec 2	**295**
Tomohiro Sawa	**Altered glutathione homeostasis in NLRP3 inflammasome activation**	Inflammation and Immunity	Sat, Dec 2	**322**
Sabrina Schatzman	**The Irony of Cu-only Superoxide Dismutases in Fungal Pathogens**	Antioxidants and Antioxidant	Thurs, Nov 30	**027**
Patricia Schuck	**Impairment of Brain Bioenergetics in Animals Submitted to**	Metabolism and Bioenergetics	Sat, Dec 2	**260**
Vlad Serbulea	**Oxidized phospholipids differentially reprogram macrophages for**	Metabolism and Bioenergetics	Sat, Dec 2	**261**
Di Shao	**Noninvasive retinal optical Imaging in Metabolic Diseases Mouse**	Cardiovascular	Fri, Dec 1	**172**
Alpa Shree	**Quercetin modulates oxidative stress and inflammation in 1,2-**	Cancer	Fri, Dec 1	**137**
Adam Sikora	**N,N,N,N-tetramethylhydroethidine (TMHE) - in search for novel**	Reaction Mechanisms and	Thurs, Nov 30	**077**
Fernando Siller-López	**Analysis of cigarette smoke exposure and single nucleotide variants of**	Genetics/Epigenetics	Thurs, Nov 30	**104**
Matthew Slattery	**A Distinct Class of Antioxidant Response Elements is Consistently**	Cancer	Fri, Dec 1	**139**
Matthew Smith	**Identification of human lung epithelial metabolic responses to acute**	Metabolism and Bioenergetics	Sat, Dec 2	**262**
Katarina Smolkova	**Mitochondrial deacetylase SIRT3 regulates IDH2 function in breast**	Cancer	Fri, Dec 1	**140**
Shane Solst	**Inhibition of Mitochondrial Pyruvate Transport Selectively Sensitizes**	Cancer	Fri, Dec 1	**141**
Jyung Mean Son	**Mitochondrial dynamics regulates metabolism during aging**	Aging	Thurs, Nov 30	**061**
Yang Song	**Persistent organic pollutant polychlorinated biphenyl quinone-type**	Signal Transduction / Redox	Sat, Dec 2	**296**
C. Sparacino-Watkins	**Oxygen Inhibits Nitrite Reduction to Nitric Oxide by the**	Antioxidants and Antioxidant	Thurs, Nov 30	**029**
Mateusz Stochelski	**The Role of N-Acetylcysteine and 3H-1,2-Dithiole-3-Thione in**	Neuroscience	Thurs, Nov 30	**100**
Sarwat Sultana	**Benzo(a)Pyrene induced lung carcinogenesis in mice: Plausible role of**	Cancer	Fri, Dec 1	**143**
Patrick Sun	**Age-dependent Decline in Adaptive Homeostasis and Nrf2 Mediated**	Aging	Thurs, Nov 30	**065**
Lija Swain	**To investigate the physiological/pathophysiological function of**	Cardiovascular	Fri, Dec 1	**173**
Bartosz Szczesny	**Oxidatively damaged mitochondrial DNA induces inflammation in**	Inflammation and Immunity	Sat, Dec 2	**323**
Mika Tada	**Investigations for mechanisms of reactive species released from UPEs**	Reaction Mechanisms and	Thurs, Nov 30	**078**
Takashi Tamura	**An internal sequence region catalytically essential for the human**	Reaction Mechanisms and	Thurs, Nov 30	**079**
Sreya Tarafdar	**Drosophila Methionine sulfoxide reductase A is not a methionine**	Antioxidants and Antioxidant	Thurs, Nov 30	**030**
Jan Tauber	**Pro-oxidative mitochondrial metabolism of bovine arterial wall**	Metabolism and Bioenergetics	Sat, Dec 2	**263**
Seyithan Taysi	**The radioprotective effect of caffeic acid phenethyl ester in the brain**	Antioxidants and Antioxidant	Thurs, Nov 30	**031**
Vitor Teixeira	**Long-term impact of added glutathione into parenteral nutrition**	Metabolism and Bioenergetics	Sat, Dec 2	**264**
Karthikeyan Thirugnanam	**NADPH de novo biosynthesis regulates NOX4-induced cell growth**	Redox Switches	Fri, Dec 1	**200**

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Max Thorwald	**Glucose suppresses Nrf2 Translocation and Increases Glutathione**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**227**
Paulo Tonolli	**Lipofuscin generated by UVA exposure makes human skin**	Reaction Mechanisms and	Thurs, Nov 30	**080**
Artak Tovmasyan	**Novel fluorinated Mn porphyrin as a powerful SOD mimic and**	Antioxidants and Antioxidant	Thurs, Nov 30	**033**
Anh Tran	**GTP cyclohydrolase I in tumor initiating cell maintenance and**	Cancer	Fri, Dec 1	**144**
Yuko Tsukahara	**Glutaredoxin-1 control on liver fibrosis in aged mice**	Aging	Thurs, Nov 30	**066**
Clint Upchurch	**Dynamic oxidized phospholipid composition within the liver plays a**	Metabolism and Bioenergetics	Sat, Dec 2	**265**
Samuel dos Santos	**Acute exposure to diesel-biodiesel particulate matter promotes**	Inflammation and Immunity	Sat, Dec 2	**304**
Andrew Valente	**A Generalized ImageJ Workflow for Quantitative Analysis of**	Cell Biology	Fri, Dec 1	**211**
Thomas van 't Erve	**Correcting oxidative stress measurements using the 8-iso-**	Clinical/Translational Studies	Fri, Dec 1	**194**
MATIAS VAZQUEZ	**Nitro-fatty acid modulates expression of CD36 and LRP1 scavenger**	Lipids and Electrophiles	Thurs, Nov 30	**046**
Murugesan Velayutham	**LOX-1 primarily contributes to pro-inflammatory macrophages**	Cardiovascular	Fri, Dec 1	**175**
Arpita Verma	**Evaluation of oxidative stress and toluene exposure among adolescent**	Antioxidants and Antioxidant	Thurs, Nov 30	**034**
Brett Wagner	**Quantitative differences in physical size, H2O2-removal, and cellular**	Metabolism and Bioenergetics	Sat, Dec 2	**266**
Stephanie Wall	**The Thioredoxin Reductase-1 Inhibitor Aurothioglucose Enhances**	Antioxidants and Antioxidant	Thurs, Nov 30	**035**
Daniela Weber	**Oxidative stress biomarkers in the MARK-AGE Study**	Aging	Thurs, Nov 30	**067**
Stacy Wendell	**Targeting obesity-driven asthma with nitrate, nitrite and conjugated**	Lipids and Electrophiles	Thurs, Nov 30	**047**
Matthew Whiteman	**Evaluation of a novel mitochondria-targeted peptide-based H2S**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**228**
Matthew Whiteman	**RT01, a novel derivative of the mitochondria-targeted hydrogen**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**229**
Sarah Wong	**20S Proteasome Beta 5 Subunit is Crucial for Sexually Divergent**	Aging	Thurs, Nov 30	**068**
Sarah Wong	**Is sexually dimorphic adaptation to oxidative stress a tissue specific or**	Signal Transduction / Redox	Sat, Dec 2	**298**
Beth Worley	**The role of MPZL3 as a metabolic regulator in ovarian cancer**	Metabolism and Bioenergetics	Sat, Dec 2	**267**
Jianbo Xiao	**Dietary anthocyanin–human serum albumin interaction**	Antioxidants and Antioxidant	Thurs, Nov 30	**036**
Jianbo Xiao	**Dietary polyphenols and type 2 diabetes: Human study and clinical**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**230**
Jianbo Xiao	**Antidiabetic activity of Lessonia nigrescens extract in type 2 diabetic**	Diabetes-Metabolic Syndrome	Sat, Dec 2	**231**
Yi Xu	**A Paradigm Shifting Concept: Inhibiting Tumor Growth and**	Cancer	Fri, Dec 1	**146**
Ken-ichi Yamada	**Lipid Radicals Cause Light Induced-Retinal Degeneration**	Lipids and Electrophiles	Thurs, Nov 30	**048**
Jing Yang	**A Proposed DNA Binding Activity of Mitochondrial Iron-sulfur**	Genetics/Epigenetics	Thurs, Nov 30	**105**
Chontida Yarana	**Extracellular vesicles released by cardiomyocytes in a doxorubicin-**	Cardiovascular	Fri, Dec 1	**177**
Hironobu Yasui	**Quantitative pO2 mapping using electron paramagnetic resonance**	Cancer	Fri, Dec 1	**147**
Huixian Ye	**NPY binds with heme to form a NPY-heme complex: enhances free**	Neuroscience	Thurs, Nov 30	**101**
Michelle Yi Hui Yee	**Redox dependent activation of NF-kB signaling in cancer via**	Cancer	Fri, Dec 1	**148**
Huiyong Yin	**Acetaldehyde Dehydrogenase 2(ALDH2)in Atherosclerosis: Beyond**	Cardiovascular	Fri, Dec 1	**178**

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Nagahiko Yumita	**Anticancer Effects of Functionalized Carbon Nanotubes Combined**	Cancer	Fri, Dec 1	**149**
Jianhua Zhang	**The role of GABARAPL1/GEC1 in autophagic flux and**	Cancer	Fri, Dec 1	**150**
Yunjia Zhang	**Dietary selenomethionine supplementation limits extracellular trap**	Cardiovascular	Fri, Dec 1	**179**
Jianhua Zhang	**O-GlcNAc regulation of autophagy and α-synuclein homeostasis;**	Metabolism and Bioenergetics	Sat, Dec 2	**269**
Zhen Zhang	**Hydrogen sulfide inhibits antibody- and complement-mediated**	Inflammation and Immunity	Sat, Dec 2	**326**
Hongqiao Zhang	**Temporal changes in glutathione biosynthesis during the**	Inflammation and Immunity	Sat, Dec 2	**327**
Yu Zhao	**ROS-Activated Hydrogen Sulfide (H2S) Donors Exhibit Protections**	Cardiovascular	Fri, Dec 1	**180**
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Lulu Zhou	**Age related alteration of the antioxidant/inflammatory axis in human**	Aging	Thurs, Nov 30	**069**
Yuxiang Zhu	**A mechanism by which MnTE-2-PyP suppresses growth in prostate**	Antioxidants and Antioxidant	Thurs, Nov 30	**038**
Ben-Zhan Zhu	**Nitroxide radical production from hydroxamic acids and**	Reaction Mechanisms and	Thurs, Nov 30	**082**
Ben-Zhan Zhu	**Metal-independent Hydroxyl Radical Production and DNA Damage**	Reaction Mechanisms and	Thurs, Nov 30	**083**
Ben-Zhan Zhu	**The Critical Role of Quinone-Enoxy Radicals in the Production of the**	Reaction Mechanisms and	Thurs, Nov 30	**084**
Ester Zito	**Selenoprotein N1 redox activity leads to mitochondrial dysfunction in**	Signal Transduction / Redox	Sat, Dec 2	**299**