

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

Presenting Author	Abstract Title	Category	Poster Session	Poster No.
Cassandra Aegerter	Impairment of thioredoxin 1 disrupts perinatal alveolar development	Environmental	Sat, Nov 17	272
Katelyn Ahern	Oxidized Neutral Lipid Lipolysis Regulates Insulin Signaling During	Metabolism/Bioenergetics	Fri, Nov 16	169
Iman Ahmad	Elevated Pro-Inflammatory Cytokines in Healthcare Workers	Inflammation and Immunity	Sat, Nov 17	230
Bumsoo Ahn	MRI imaging for in vivo free radicals and bioenergetics in mouse	Aging	Sat, Nov 17	294
Mohamad Almedawar	Cigarette Smoke Impairs the Anti-Oxidative Response by Reducing	Cardiovascular and Pulmonary	Thurs, Nov 15	001
Aditya Arya	An integrated community based redox database development	Metabolism/Bioenergetics	Fri, Nov 16	170
Shireen Attaran	Prdx1 regulation of LOX-dependent ECM remodeling in Breast	Cancer	Fri, Nov 16	117
Felipe Ávila	3-Hydroxykynurenine bound to eye lens proteins induces oxidative	Chemical Biology	Thurs, Nov 15	074
Nukhet Aykin-Burns	The sex-dependent impact of SIRT3 on cognition	Neurodegenerative Disease	Sat, Nov 17	312
Tatjana Bairova	PREVALENCE OF MITOCHONDRIAL SUPEROXIDE	Genetics/Epigenetics	Sat, Nov 17	328
Jacyn Baker	Redox- and bio-activity of Apocynin (acetovanillone) in plants, a plant	Metabolism/Bioenergetics	Fri, Nov 16	171
Silvina Bartesaghi	Decreased proteasome cleavage rates at nitrotyrosine sites in proteins	Chemical Biology	Thurs, Nov 15	076
Ines Batinic-Haberle	Mn- and Fe-porphyrin-based SOD mimics are powerful suppressors	Inflammation and Immunity	Sat, Nov 17	231
Jessica Behring	EGF regulates biologically organized cysteine redox networks with	Cancer	Fri, Nov 16	119
Sander Bekeschus	ROS-targeting of melanoma cells provides immuno-protection against	Cancer	Fri, Nov 16	120
Justin Beltz	Nanodiamonds as antioxidant carriers: applications for drug delivery	Chemical Biology	Thurs, Nov 15	077
Brandon Berry	Novel optogenetic control of mitochondrial energetics rescues electron	Metabolism/Bioenergetics	Fri, Nov 16	172
Ezra Bess	Effects of Fusarochromanone on Mitochondrial Function in	Cancer	Fri, Nov 16	146
Stephany Beyerstedt	Targeting Protein Disulfide Isomerase to overcome resistance to	Cancer	Fri, Nov 16	121
Marcelo Bonini	SOCS1 S-Nitrosation in the nucleus is a switch of macrophage	Inflammation and Immunity	Sat, Nov 17	232
Howard Boudreau	Nox4 through mutant p53 induces a pro-inflammatory and pro-	Cancer	Fri, Nov 16	123
Karlis Briviba	Anti-genotoxic effects of fruit and vegetables and their constituents	Cancer	Fri, Nov 16	124
Brianna Buchalski	Chronic Low Level Oxidative Stress in Primary Hyperoxaluria Type	Metabolism/Bioenergetics	Fri, Nov 16	174
Nicholas Buglak	Cinnamic aldehyde increases antioxidant defenses in vascular smooth	Cardiovascular and Pulmonary	Thurs, Nov 15	003
Allan Butterfield	The Triangle of Death of Neurons, Oxidative Damage, Mitochondrial	Cancer	Fri, Nov 16	125
Michele Longoni Calio	Transplantation of BM-MSCs promotes angiogenesis and decreases	Aging	Sat, Nov 17	295
Jazmin Ixchel Camacho	Cardioprotective strategies preserve the stability of respiratory chain	Cardiovascular and Pulmonary	Thurs, Nov 15	004
Matthew Campbell	Reversal of age related post-translational modifications improves	Aging	Sat, Nov 17	296
Hui Cao	New products of myricetin in PBS	Metabolism/Bioenergetics	Fri, Nov 16	175
Hui Cao	Metabolism of stilbenoids in cancer cells	Metabolism/Bioenergetics	Fri, Nov 16	176
Hui Cao	Dietary flavonoids as anti-cancer agents: What's the bioactive	Environmental	Sat, Nov 17	273
Jennifer Carr	Heme oxygenase-1 is required for iron homeostasis and mitochondrial	Metabolism/Bioenergetics	Fri, Nov 16	177
Dustin Carroll	Selectively Targeting the Malignant Clone Through the Cellular	Cancer	Fri, Nov 16	126

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Ana Cartaya	Macrophages as delivery vehicles of antioxidant enzyme	Inflammation and Immunity	Sat, Nov 17	233
Pamela Cassidy	Thioredoxin reductase 1 knockdown disrupts pigment synthesis in	Cancer	Fri, Nov 16	127
Giselle Cerchiaro	Structural studies on SOD1 zinc site coordination with the new	Metabolism/Bioenergetics	Fri, Nov 16	178
A. Chairasongsuk	Protective effects of novel derivatives of vitamin D3 and lumisterol	Environmental	Sat, Nov 17	274
Joshua D. Chandler	Influence of pH on the reactions of heme peroxidase-derived oxidants	Inflammation and Immunity	Sat, Nov 17	235
Arpita Chatterjee	Protective role of manganese porphyrin against radiation-induced	Metabolism/Bioenergetics	Fri, Nov 16	179
Wai San Cheang	Resveratrol improves endothelial function in diabetic and obese mice	Cardiovascular and Pulmonary	Thurs, Nov 15	006
Ying Chen	Hepatic Epigenomic Changes Associated with Chronic Oxidative	Genetics/Epigenetics	Sat, Nov 17	329
Andreia Chignalia	Glypican-1 Mediates Endothelial Hyperpermeability in a Model of	Cardiovascular and Pulmonary	Thurs, Nov 15	007
Stephen Jun Fei Chong	Bcl-2 phosphorylation permits a conducive pro-oxidant milieu for	Cancer	Fri, Nov 16	129
Karina Ckless	Mechanistic insights on the immune and antioxidant response of	Inflammation and Immunity	Sat, Nov 17	236
Ian Corbin	Local regional delivery of low-density lipoprotein docosahexaenoic	Cancer	Fri, Nov 16	130
Sarah Corley	Effect of Pyrazoles on Mitochondrial Bioenergetics in Cardiovascular	Metabolism/Bioenergetics	Fri, Nov 16	202
Elizabeth Corteselli	Supplementation with Omega-3 Fatty Acids Potentiates Glutathione	Cardiovascular and Pulmonary	Thurs, Nov 15	008
L. Costa Alves de Araújo	Protective effect of the fruit Campomanesia adamantium from	Aging	Sat, Nov 17	297
Paola da Rocha	Antioxidant and antibacterial activity of endophytic fungi extracts	Environmental	Sat, Nov 17	275
Marina Darenskaya	Lipid peroxidation parameters in different stages of stress-reaction at	Environmental	Sat, Nov 17	276
Marina Darenskaya	Changes in the glutathione status in patients with type 2 diabetes	Chemical Biology	Thurs, Nov 15	078
Marina Darenskaya	Signs of oxidative stress parameters in boys of different ethnic groups	Chemical Biology	Thurs, Nov 15	079
Marina Darenskaya	Lipid peroxidation processes in women with primary varicose veins of	Chemical Biology	Thurs, Nov 15	080
Michael Davies	Chlorination and oxidation of the extracellular matrix protein	Chemical Biology	Thurs, Nov 15	081
Michael Davies	Chlorination and oxidation of human plasma fibronectin by	Cardiovascular and Pulmonary	Thurs, Nov 15	009
Michael Davies	Oxidation of disulfide bonds: a novel pathway to protein	Chemical Biology	Thurs, Nov 15	082
Tiphany De Bessa	Disrupted regulation of Nox1 by protein disulfide isomerase-A1 in	Cancer	Fri, Nov 16	131
Anthony DeMartino	Interrogating the cytoglobin binding pocket and thiol redox status	Chemical Biology	Thurs, Nov 15	083
Hannah Despres	Cell-based analysis of the immune and antioxidant response of the	Inflammation and Immunity	Sat, Nov 17	237
Richard Deth	Age-Dependent Changes in Human Cortex Antioxidant and	Neurodegenerative Disease	Sat, Nov 17	313
Katelyn Dial	Antioxidants Ameliorate Hyperoxia-Induced Lung Injury by	Inflammation and Immunity	Sat, Nov 17	238
Jonathan Dietz	Heme Biosynthesis and Trafficking	Chemical Biology	Thurs, Nov 15	085
Qi Ding	A New Peroxisome-targeted Two-photon Fluorescent Probe for	Chemical Biology	Thurs, Nov 15	086
Edson Lucas dos Santos	Antioxidant and anticancer activities from Stryphnodendron	Cancer	Fri, Nov 16	132
Edson Lucas dos Santos	Protective effect of Annona crassiflora on oxidative stress and	Aging	Sat, Nov 17	298
Edson Lucas dos Santos	Antioxidant and antimutagenic activities of propolis from the	Cancer	Fri, Nov 16	133

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Presenting Author	Abstract Title	Category	Poster Session	Poster No.
Kimberly Dunham-Snary	Electron transport chain inhibitors alter membrane potential and	Cardiovascular and Pulmonary	Thurs, Nov 15	010
Katelyn Dunigan	Lung epithelial specific heme oxygenase-1 deletion does not worsen	Cardiovascular and Pulmonary	Thurs, Nov 15	011
Evan Elko	Oxidation state of peroxiredoxin 4 in lungs from patients with	Cardiovascular and Pulmonary	Thurs, Nov 15	012
Omar Escobedo	Dominant-Negative NOX5 Variant linked to Primary	Inflammation and Immunity	Sat, Nov 17	240
Patrick Farmer	Characterization of unique products in reactions of GSNO with H2S	Chemical Biology	Thurs, Nov 15	087
Jolyn Fernandes	Time-Course Metabolomic Analysis of Manganese Toxicity Reveals	Metabolism/Bioenergetics	Fri, Nov 16	182
Beatriz Ferrán Pérez	Use of adeno-associated viruses to inhibit Glutaredoxin-1 in mouse	Cardiovascular and Pulmonary	Thurs, Nov 15	013
Camila Finardi Roubik	Mechanistic studies on antioxidants that inhibits secosterol aldehyde-	Neurodegenerative Disease	Sat, Nov 17	314
Aron Fisher	An inhibitor of NOX2 activation prevents lung injury following LPS	Cardiovascular and Pulmonary	Thurs, Nov 15	014
Anita Fontes Del Guercio	Roles of Ohr (a Cys based peroxidase) and OhrR (a redox regulated	Inflammation and Immunity	Sat, Nov 17	249
Jocelyn Fuentes	PROTECTION AGAINST CELL OXIDATIVE DAMAGE BY A	Chemical Biology	Thurs, Nov 15	088
Kyle Fulghum	Mitochondria-localized lactate dehydrogenase is not a biologically	Metabolism/Bioenergetics	Fri, Nov 16	183
James Galligan	Methylglyoxal-Derived Post-Translational Arginine Modifications are	Genetics/Epigenetics	Sat, Nov 17	331
David Garcia	Short-term hyperoxic exposure causes dysregulation of pyruvate	Metabolism/Bioenergetics	Fri, Nov 16	185
Mahdi Garelnabi	Role of Polyphenolic Flavonoid and Exercise in Atherosclerosis	Cardiovascular and Pulmonary	Thurs, Nov 15	015
Carmine Gentile	Endothelial Nitric Oxide Synthase Plays a Protective Role against	Cardiovascular and Pulmonary	Thurs, Nov 15	016
Gregory Giles	Encapsulation of tDodSNO Generates a Nitric Oxide Releasing	Environmental	Sat, Nov 17	277
Sean Gillis	Loss of the transcriptional repressor Rev-erba results in increased	Metabolism/Bioenergetics	Fri, Nov 16	186
Young-Mi Go	Environmental cadmium enhances respiratory syncytial virus	Cardiovascular and Pulmonary	Thurs, Nov 15	017
Fernando Gomes	Yeast mitochondrial Prx1 show dual mitochondrial localization by a	Metabolism/Bioenergetics	Fri, Nov 16	187
Jena Goodman	Sarco-endoplasmic reticulum ATPase participates in the regulation of	Cardiovascular and Pulmonary	Thurs, Nov 15	018
John Gotham	Method Optimization for Spin Probe-Based Electron Paramagnetic	Chemical Biology	Thurs, Nov 15	089
Murilo Graton	Apocynin reduces pressor and vasoconstrictor effects of Ang II in	Cardiovascular and Pulmonary	Thurs, Nov 15	019
Clare Hawkins	Role of chlorinated nucleosides in the promotion of vascular smooth	Inflammation and Immunity	Sat, Nov 17	241
Clare Hawkins	Role of thiocyanate in the repair of myeloperoxidase-derived thiol	Inflammation and Immunity	Sat, Nov 17	242
Brian Head	Vitamin E deficiency disrupts molecular pathways of energy	Metabolism/Bioenergetics	Fri, Nov 16	190
Collin Heer	Induction of metabolic oxidative stress and sensitization to radio-	Cancer	Fri, Nov 16	134
Kenneth Hensley	CRISPR-Cas9 knockout of lantionine synthase-like protein-1	Neurodegenerative Disease	Sat, Nov 17	315
Karl Herbert	Modulation of NLRP3 inflammasome activation in human	Inflammation and Immunity	Sat, Nov 17	243
Elisa Higa	INHIBITION OF P2X7 RECEPTOR DELAYS THE	Chemical Biology	Thurs, Nov 15	090
Aki Hirayama	Reevaluation of hemodialysis effects on oxidative stress	Cardiovascular and Pulmonary	Thurs, Nov 15	021
Silver Homa	Differential Gene Expression in Pancreatic Cancer When Treated	Cancer	Fri, Nov 16	135
Tingyan Hu	Flaxseed extracts induce apoptosis and regulate the growth of MCF-7	Environmental	Sat, Nov 17	278

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Xin Hu	Low-dose cadmium disrupts mitochondrial citric acid cycle and lipid	Metabolism/Bioenergetics	Fri, Nov 16	191
Xin Huang	Lipid oxidation inactivates the anticoagulant function of protein Z-	Cardiovascular and Pulmonary	Thurs, Nov 15	022
Michael Huang	Paradoxical Disruption of Nrf2 Signaling Despite Mitochondrial Iron	Neurodegenerative Disease	Sat, Nov 17	316
Kelly Hubert	Disulfiram causes selective hypoxic cancer cell toxicity and radio-	Cancer	Fri, Nov 16	136
Christopher Huynh	Glycolytic and Redox Control of Neuronal Excitability in Vitro	Neurodegenerative Disease	Sat, Nov 17	317
Fuminori Hyodo	Redox metabolic imaging of NASH model mice using in vivo dynamic	Metabolism/Bioenergetics	Fri, Nov 16	192
Govindasamy Ilangoan	Heat Shock Factor 1 Determines the Phenotype of Tumor Associated	Cancer	Fri, Nov 16	137
Hironu Ito	Reactive oxygen species derived from mitochondria increase non-	Cancer	Fri, Nov 16	138
Christopher Itoh	Thioredoxin as a marker for inflammatory macrophages	Inflammation and Immunity	Sat, Nov 17	245
Alexander Ivanov	The immunogenicity in mice of Hepatitis C virus core protein	Inflammation and Immunity	Sat, Nov 17	246
Martin Jaburek	Antioxidant activity of calcium-independent phospholipase A2γ in	Metabolism/Bioenergetics	Fri, Nov 16	193
Petr Jezek	Mitochondrial matrix H₂O₂ release in INS-1E cells monitored by the	Metabolism/Bioenergetics	Fri, Nov 16	194
Liu Jihong	Unveil mitochondrial superoxide anion transport pathway in	Chemical Biology	Thurs, Nov 15	091
Arun Jyothidasan	Nrf2-dependent regulation of miRNA and mRNA expressions alters	Genetics/Epigenetics	Sat, Nov 17	332
Amanda Kalen	G0/G1 Switch 2 regulates a G1-lipid checkpoint dependent radiation	Cancer	Fri, Nov 16	139
Kelsey Kalous	Regulation of Human Sirtuin Deacetylase Activity by Cellular Oxidants	Genetics/Epigenetics	Sat, Nov 17	333
Kristyna Kamarytova	Nitro-oleic acid regulates differentiation of embryonic stem cells	Chemical Biology	Thurs, Nov 15	092
Tetsuro Kamiya	Histone demethylase JMJD3 regulates a copper-containing lysyl	Genetics/Epigenetics	Sat, Nov 17	334
Suhyun Kim	Isoquercitrin, a phytochemical derived from Aster yomena, improves	Metabolism/Bioenergetics	Fri, Nov 16	195
Yeon Kim	Increased expression and activity of Sod2 promotes transcoelomic	Cancer	Fri, Nov 16	140
Diana Kimono	Altered microbiome-enteric glial cell-NADPH oxidase axis is key to	Nutrition and Microbiome	Fri, Nov 16	225
Klaus Klarskov	Oxidative stress induced S-thiolation by glutathione and	Cardiovascular and Pulmonary	Thurs, Nov 15	025
Witold Korytowski	Trafficking of Cholesterol Hydroperoxides to Macrophage	Cardiovascular and Pulmonary	Thurs, Nov 15	026
Witold Korytowski	Increased proliferation/aggressiveness and metastatic potential of	Cancer	Fri, Nov 16	141
Dimitrios Kouretas	Coffee improves rat redox status by enhancing GSH biosynthesis	Chemical Biology	Thurs, Nov 15	093
Renu Kowluru	Modulation of Dynamic Mitochondria by Epigenetics in Diabetic	Genetics/Epigenetics	Sat, Nov 17	335
Anjan Kowluru	Metabolic stress promotes sustained activation of protein phosphatase	Metabolism/Bioenergetics	Fri, Nov 16	196
Peter Kozhin	Antitumor effect of synthetic phenolic antioxidant TS-13 in Lewis	Cancer	Fri, Nov 16	142
Murugaeson Kumar	De novo mass spectral data analysis of sulfur speciation in the	Chemical Biology	Thurs, Nov 15	094
Amit Kumar	Ablation of PDIA3 alleviates pulmonary fibrosis in mice.	Cardiovascular and Pulmonary	Thurs, Nov 15	027
Jerome Lapointe	Enterotoxigenic Escherichia coli and Salmonella enterica	Inflammation and Immunity	Sat, Nov 17	248
Joao Laranjinha	NEUROVASCULAR COUPLING MEDIATED BY NEURONAL	Neurodegenerative Disease	Sat, Nov 17	319
Emil List Larsen	Changes in Oxidative RNA and DNA Modifications Following One-	Environmental	Sat, Nov 17	280

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Emil List Larsen	Changes in Urinary Excretion of Oxidative Nucleic Acid	Chemical Biology	Thurs, Nov 15	095
Rachel Laufmann	Loss of Thioredoxin-1 in central nervous system neurons results in	Neurodegenerative Disease	Sat, Nov 17	320
Heejeong Lee	Apoptosis like death-induced by Bac8c associates with reactive	Metabolism/Bioenergetics	Fri, Nov 16	197
May Lee	Selenoprotein loss resulting from Alkbh8 deficiency engages	Cancer	Fri, Nov 16	143
Lidianys Lewis Lujan	Retino-protective effect of Bucida buceras against oxidative stress	Chemical Biology	Thurs, Nov 15	096
Hong Li	A GUANYLYL CYCLASE-THIOREDOXIN	Cardiovascular and Pulmonary	Thurs, Nov 15	028
Rui Li	Nrf2 Independent Heme Oxygenase-1 Induction by Auranofin is in	Cardiovascular and Pulmonary	Thurs, Nov 15	029
Eliezer Lichter	The role of ROS in peripheral artery deformation	Aging	Sat, Nov 17	299
Rui-Ming Liu	Cyclic ozone exposure synergizes with aging leading to memory	Neurodegenerative Disease	Sat, Nov 17	321
Hui-Ya Liu	Growth defects and metabolic alterations in IDH-1 and G6PD double-	Metabolism/Bioenergetics	Fri, Nov 16	199
Feng Liu-Smith	ROS-independent inhibition of melanoma tumor growth by luteolin	Cancer	Fri, Nov 16	144
Camilo Lopez	Use of Pyrogallol Red to assess carbonate anion radical formation	Chemical Biology	Thurs, Nov 15	097
Lasse Lorentzen	Exposure of tropoelastin to peroxyntrous acid gives high yields of	Cardiovascular and Pulmonary	Thurs, Nov 15	030
Qing Lu	Phosphorylation of eNOS at Thr(T)495 induces mitochondrial fission	Cardiovascular and Pulmonary	Thurs, Nov 15	031
Stephen Lucas	Valproic Acid Inhibits Superoxide Dismutase Activity in Mouse P19	Environmental	Sat, Nov 17	281
Heather Lucas	Radical Consequences of Redox Active Metals on α-Synuclein	Neurodegenerative Disease	Sat, Nov 17	322
Sean Lynch	Hypobromous acid and loss of cardio-protective paraoxonase-1	Cardiovascular and Pulmonary	Thurs, Nov 15	032
Nathália Machado	A new source of reactive oxygen species in Leishmania amazonensis:	Chemical Biology	Thurs, Nov 15	098
Sophie Maiocchi	Investigation of redox modifications of platelet integrin GPIIb-IIIa in	Chemical Biology	Thurs, Nov 15	099
Yusuke Makino	Comparison of Sample Tubes for the X-band EPR Measurement of	Chemical Biology	Thurs, Nov 15	100
Santiago Mansilla	Biochemical and structural characterization of human aconitase, a	Metabolism/Bioenergetics	Fri, Nov 16	200
Allison Manuel	S-Glutathionylation of Pyruvate Kinase M2 is associated with	Cardiovascular and Pulmonary	Thurs, Nov 15	033
Zhimin Mao	Hydrogen Sulfide Protects Cells against Oxidative Stress through	Chemical Biology	Thurs, Nov 15	101
Mery Marimoutou	Oxidation of Methionine 77 in Calmodulin Alters Mouse Growth and	Genetics/Epigenetics	Sat, Nov 17	336
Dustin Martin	Neutrophils in Sickle Cell Disease: The Missing Candidate –	Cardiovascular and Pulmonary	Thurs, Nov 15	035
Dustin Martin	The Role of Myeloperoxidase in Hyperoxia-induced	Cardiovascular and Pulmonary	Thurs, Nov 15	034
Giovanni Marzullo	A free-radical hypothesis of the annual photoperiod and birth	Genetics/Epigenetics	Sat, Nov 17	337
Cecilie Matthiesen	Characterization of the zebrafish orthologues of human extracellular	Inflammation and Immunity	Sat, Nov 17	250
Charles Mbakaya	Unmasking the Link between Environment, Nutrition, Human	Inflammation and Immunity	Sat, Nov 17	251
Fabiana Melo	Imbalance between nitric oxide and superoxide anion induced by	Cancer	Fri, Nov 16	145
Lingchao Miao	The anti-inflammatory effects of Portulaca oleracea L. by partial	Inflammation and Immunity	Sat, Nov 17	252
Sumitra Miriyala	Oxidative Stress Mediated Myocardial Lysophosphatidic Acid	Metabolism/Bioenergetics	Fri, Nov 16	201
Blake Monroe	Biogenic aldehydes influence extracellular matrix via fibroblast-	Cardiovascular and Pulmonary	Thurs, Nov 15	036

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Fereshteh Moradi	Estradiol and estrogen receptor-α and β agonist's effects on ROS and	Metabolism/Bioenergetics	Fri, Nov 16	203
Beth Mordhorst	Conditional deletion of thioredoxin 1 in the adult mouse causes	Aging	Sat, Nov 17	300
Masanobu Morita	Mitochondria-specific SQR deficiency in mice causes lethal	Metabolism/Bioenergetics	Fri, Nov 16	204
Roberto Mota Alvidrez	Diabetic and atherosclerosis-prone rats have sex-specific severe	Cardiovascular and Pulmonary	Thurs, Nov 15	038
Brahma Mulugu	Can The Redox state in the Serum Explain Medically Unexplained	Neurodegenerative Disease	Sat, Nov 17	323
Angela Mungala Lengo	Comparison of two parenteral lipid emulsions and their effects on	Genetics/Epigenetics	Sat, Nov 17	339
Marcos Munoz	INHIBITION OF TOLL-LIKE RECEPTOR 2 (TLR-2) ACTIVITY	Inflammation and Immunity	Sat, Nov 17	253
Ikuo Nakanishi	Comparison of Effects of Plateau Carbon-Ion Beams and X-rays on	Chemical Biology	Thurs, Nov 15	102
Fan Nan	A Novel Fluorescent probe targeting lysosome for Rapid Imaging of	Chemical Biology	Thurs, Nov 15	103
Paulo Narcizo de Souza	Reactive oxygen species quantification by electron paramagnetic	Inflammation and Immunity	Sat, Nov 17	254
Dinh-Truong Nguyen	Glyoxalase 2 Correlates with Redox Signaling and Enhances Survival	Cancer	Fri, Nov 16	147
Brianne O'Leary	Pharmacological ascorbate enhances expression of Dual Oxidase	Cancer	Fri, Nov 16	148
Brianne O'Leary	Dual Oxidase expression is epigenetically silenced in pancreatic ductal	Cancer	Fri, Nov 16	149
John Oates	Post-translational modification of ApoA-1 in metabolic syndrome	Cardiovascular and Pulmonary	Thurs, Nov 15	040
Fernando Ogata	The role of Sdc-4 proteoglycan in the production of NO in endothelial	Metabolism/Bioenergetics	Fri, Nov 16	205
Stefan Olsen	Use of Phenylarsine Oxide-Affinity Chromatography to Identify	Cancer	Fri, Nov 16	150
Ethan Ostrom	Aerobic Exercise in Older Adults Maintains Nrf2 Signaling	Aging	Sat, Nov 17	301
Anjali Panackal	Western diet promotes hyperacetylation of superoxide dismutase 2	Cardiovascular and Pulmonary	Thurs, Nov 15	041
Sheetal Panday	How does ascorbate improve endothelial dysfunction?	Cardiovascular and Pulmonary	Thurs, Nov 15	042
Uraiwana Panich	The novel mitochondria-targeted hydrogen sulfide donors AP39 and	Aging	Sat, Nov 17	302
Brahmanaidu Parim	The beneficial potential of polyherbal formulation in protecting	Cardiovascular and Pulmonary	Thurs, Nov 15	043
Rajesh Parsanathan	Cystathionine γ-lyase-hydrogen sulfide (H2S) deficiency	Metabolism/Bioenergetics	Fri, Nov 16	206
Michele Paulo Schiavi	Endothelial Cells (EC) regulate ROS generation in vascular smooth	Cardiovascular and Pulmonary	Thurs, Nov 15	044
Alessandra Pecorelli	Inflammasome involvement in Rett syndrome subclinical	Inflammation and Immunity	Sat, Nov 17	255
Jeanine Pestoni	Tyrosine Nitration Induces a Metabolic Reprogramming in	Metabolism/Bioenergetics	Fri, Nov 16	207
Ted Piorczynski	The Protective Effects of Nrf2 Against Valproic Acid in	Environmental	Sat, Nov 17	282
Jaime Moreira Pires	NEONATAL SYSTEMIC INFLAMMATION: LONG TERM	Inflammation and Immunity	Sat, Nov 17	256
Keely Pohl	Suppression of Site IQ Electron Leak Attenuates Lung Epithelial Cell	Cardiovascular and Pulmonary	Thurs, Nov 15	045
Simone R. Potje	Heparan Sulfate Proteoglycans Regulate Aortic Response to	Cardiovascular and Pulmonary	Thurs, Nov 15	046
Simone R. Potje	Disrupting caveolae promotes eNOS uncoupling and ROS production	Cardiovascular and Pulmonary	Thurs, Nov 15	047
Cibele Prado	Doxycycline treatment exerts antioxidant effects and decreases	Cardiovascular and Pulmonary	Thurs, Nov 15	049
Bartosz Proniewski	Pulmonary and systemic nitric oxide deficiency in the early phase of	Cancer	Fri, Nov 16	152
Fuzhong Qin	Glutaredoxin 1 overexpression inhibits JNK activity and ameliorates	Cardiovascular and Pulmonary	Thurs, Nov 15	050

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Rafael Radi	Resurrecting an antibody against an alternative conformation of	Metabolism/Bioenergetics	Fri, Nov 16	208
Ruslan Rafikov	Inhibition of respiratory chain Complex III irreversibly changes the	Metabolism/Bioenergetics	Fri, Nov 16	209
Priyamvada Rai	Towards a better understanding of human MutT Homolog 1 (MTH1)	Cancer	Fri, Nov 16	153
Saranya Rajendran	CSE derived sulfur metabolites regulates autophagy in ischemic	Cardiovascular and Pulmonary	Thurs, Nov 15	051
Y. Ramírez Rodríguez	The effect of administrating an extract from pitaya juice rich in	Nutrition and Microbiome	Fri, Nov 16	226
Archit Rastogi	Mapping Glutathione Utilization in the Developing Zebrafish Embryo	Environmental	Sat, Nov 17	283
Elizabeth Repash	Quantifying synergy for hormetic compounds using the dose-	Environmental	Sat, Nov 17	284
Flavia Rezende	Renal Nox4 contributes to systemic redox homeostasis by controlling	Metabolism/Bioenergetics	Fri, Nov 16	210
Natalia Rios	Development and characterization of a mitochondria-targeted	Chemical Biology	Thurs, Nov 15	105
James Roede	Investigation of cytoplasmic and mitochondrial redox status in Down	Neurodegenerative Disease	Sat, Nov 17	324
Jessica Sanches	Ranitidine treatment impairs vascular redox biology and function	Cardiovascular and Pulmonary	Thurs, Nov 15	052
Elen Sanchez	Pentoxifylline treatment decreases MMP-2 activity, oxidative stress	Cardiovascular and Pulmonary	Thurs, Nov 15	053
M. Sanchez-Rodriguez	Changes in antioxidant components in midlife women. Is it age or	Aging	Sat, Nov 17	304
Tomohiro Sawa	Pegylated manganese protoporphyrin self-assembles into	Environmental	Sat, Nov 17	286
Sugandh Saxena	Mitophagy confers the nephroprotective effect of Berberine in	Metabolism/Bioenergetics	Fri, Nov 16	211
Sabrina Schatzman	Two Classes of Extracellular Cu-Only SODs for Fungal Pathogens	Inflammation and Immunity	Sat, Nov 17	257
Sarah Schlichte	MnTnBuOE-2-Pyp5+ acutely decreases normotensive and	Cardiovascular and Pulmonary	Thurs, Nov 15	055
Heidi Schmidt	Excess Circulating Free Heme Triggers Immense Elevation in Plasma	Cardiovascular and Pulmonary	Thurs, Nov 15	056
Matthew Schrier	The role of Nrf2 in redox-dependent cobalamin processing	Metabolism/Bioenergetics	Fri, Nov 16	212
Natalya Semenova	Some antioxidant system parameters in adults with age-related sex	Aging	Sat, Nov 17	305
Natalya Semenova	Lipid peroxidation parameters in Caucasian and Asian menopausal	Aging	Sat, Nov 17	306
Vlad Serbulea	Aerobic glycolysis is necessary for smooth muscle to myofibroblast	Cardiovascular and Pulmonary	Thurs, Nov 15	057
T. Shanmugam	Protective effect of Sulforaphane against Arsenic-induced	Environmental	Sat, Nov 17	287
Gobinath Shanmugam	Cardiac Specific Nrf2 Expression Protects the Myocardium from	Cardiovascular and Pulmonary	Thurs, Nov 15	058
Gobinath Shanmugam	Effects of Chronic Antioxidant Supplementation in Diabetic Mellitus	Cardiovascular and Pulmonary	Thurs, Nov 15	059
Shashank Shrishrimal	MnTE-2-PyP protects the prostate from radiation-induced fibrosis	Genetics/Epigenetics	Sat, Nov 17	341
Clivandir Silva	LPS-induced Systemic Neonatal inflammation: blockage of P2X7R by	Inflammation and Immunity	Sat, Nov 17	259
Sanjay Singh	Investigating the role of catalase mimetic cerium oxide-based	Chemical Biology	Thurs, Nov 15	106
Abhilasha Singh	Aegeline, targets LOX1, the receptor for oxidized LDL to mitigate	Cardiovascular and Pulmonary	Thurs, Nov 15	060
Christina Sisliyan	Recruitment of Nrf2-Dependent Adaptive Homeostatic Redox	Neurodegenerative Disease	Sat, Nov 17	325
Matthew Ryan Smith	Metabolome-Wide Association Study in Human Platelets for	Metabolism/Bioenergetics	Fri, Nov 16	213
Joy Smith	Sulforaphane-mediated inhibition of SHP2 as a potential	Cardiovascular and Pulmonary	Thurs, Nov 15	061
C. Sparacino-Watkins	Generation of superoxide radical by human cytochrome b5 reductase	Cardiovascular and Pulmonary	Thurs, Nov 15	062

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Jeffrey Stolwijk	Optimization of selenium in cell culture media to maximize	Environmental	Sat, Nov 17	290
Di Su	In Vivo Two-photon Imaging of Malondialdehyde in Mice Brains	Chemical Biology	Thurs, Nov 15	107
Elisa Suemitsu Higa	CORRELATION BETWEEN P2X7 RECEPTOR AND	Metabolism/Bioenergetics	Fri, Nov 16	215
Elisa Suemitsu Higa	EFFECTS OF ESCULIN TREATMENT ON P2X7 RECEPTOR IN	Inflammation and Immunity	Sat, Nov 17	260
Rodolfo Sumayao Jr.	Inducible nitric oxide synthase-derived nitric oxide promotes	Metabolism/Bioenergetics	Fri, Nov 16	216
Bartosz Szczesny	Activation of Z-DNA binding protein 1 by mitochondrial DNA	Inflammation and Immunity	Sat, Nov 17	261
Jun Hui (Samantha) Sze	Overcoming Cell Adhesion-Mediated Drug Resistance (CAM-DR) in	Cancer	Fri, Nov 16	157
Mika Tada	Investigations for direct interactions between linoleic acid and	Chemical Biology	Thurs, Nov 15	108
Jitbanjong Tangpong	Neuroprotective efficacy of curcumin in lead (Pb) induced	Nutrition and Microbiome	Fri, Nov 16	227
Andrew Tennyson	Biologically-relevant radical reduction by a ruthenium catalyst	Chemical Biology	Thurs, Nov 15	109
Sari Terrazas	Investigating the anti-oxidant effects of estrogen in RAW cell	Inflammation and Immunity	Sat, Nov 17	262
Karthikeyan Thirugnanam	Sucrose non-fermenting related kinase regulates cardiomyocyte	Cardiovascular and Pulmonary	Thurs, Nov 15	063
Artak Tovmasyan	Mn porphyrin/ascorbate sensitizes serous epithelial ovarian cancer to	Cancer	Fri, Nov 16	158
Rheal Towner	In Vivo Detection of Bladder Permeability Biomarkers in Rodent	Inflammation and Immunity	Sat, Nov 17	263
Rheal Towner	In Vivo Detection of Free Radicals in Rats with LPS-Induced	Neurodegenerative Disease	Sat, Nov 17	326
Clara Troccoli	The ROS Duality in Castration-Resistant Prostate Cancer Emergence	Cancer	Fri, Nov 16	159
Jéssica Antonini Troiano	O-GlcNAcylation is decreased in aorta and mesenteric artery in	Cardiovascular and Pulmonary	Thurs, Nov 15	064
Andres Trostchansky	Improvement of mitochondrial function in steatohepatitis by olive oil	Nutrition and Microbiome	Fri, Nov 16	228
Ioannis Trougakos	Hyperactivation of Nrf2 increases stress tolerance at the cost of aging	Aging	Sat, Nov 17	307
Yuko Tsukahara	Redox control of liver fibrosis in aged mice	Aging	Sat, Nov 17	308
Helena Turano Gomes	Structural characterization of a newly identified pyocin S8, a proteic	Inflammation and Immunity	Sat, Nov 17	264
Mala Upadhyay	Analysis of Oxidative Stress-mediated Degeneration in Retina and	Aging	Sat, Nov 17	309
Clint Upchurch	Oxidized phospholipids regulate cellular metabolism and lipid droplet	Metabolism/Bioenergetics	Fri, Nov 16	217
Oliver Valdivia Camacho	Tyrosine nitration regulates signaling pathways involved in	Metabolism/Bioenergetics	Fri, Nov 16	218
Andrew Valente	Automated analysis of fluorescence micrographs demonstrates the	Metabolism/Bioenergetics	Fri, Nov 16	219
Stephen Valentino	Antioxidant independent actions of Vitamin E in modulating gene	Chemical Biology	Thurs, Nov 15	110
Valeria Valez	Application of Resonance Raman spectroscopy on manganese	Chemical Biology	Thurs, Nov 15	111
Sjoerd van der Post	NOX1 dependent redox signaling mediates colonic stem cell	Cancer	Fri, Nov 16	160
Jos van der Velden	Ablation of GLRX in KRASG12D induced lung cancer elevates	Cancer	Fri, Nov 16	161
Fabiane Veiga-Souza	Electron paramagnetic resonance detection of nitric oxide produced	Inflammation and Immunity	Sat, Nov 17	265
Prema Velusamy	Hesperetin mitigates isoproterenol induced cardiac hypertrophy by	Cardiovascular and Pulmonary	Thurs, Nov 15	066
Richard Wagner	Ascorbate supplementation increases 5-hydroxymethylcytosine in	Genetics/Epigenetics	Sat, Nov 17	342

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Stephanie Wall	Suppression of IL-1β production in alveolar macrophages by the	Inflammation and Immunity	Sat, Nov 17	266
Xin Wang	Visualizing the function of Hydroxyl Radicals via SIRT1 in Brains of	Chemical Biology	Thurs, Nov 15	113
Luxi Wang	Targeting HDAC2 protects monocytes against metabolic stress-	Metabolism/Bioenergetics	Fri, Nov 16	221
Minglong Wang	Impact of glucose on the absorption, transport and metabolism of	Environmental	Sat, Nov 17	291
Mao Wang	2-O, 3-O Desulfated heparin (ODSH) Improves Bacterial Clearance	Inflammation and Immunity	Sat, Nov 17	267
Yakov Woldman	Quantitation of Peroxynitrite Production by Macrophages	Inflammation and Immunity	Sat, Nov 17	268
Beth Worley	GPX3 supports ovarian cancer progression by manipulating the	Cancer	Fri, Nov 16	162
Tianying Wu	Red meat, white meat and vegetable intakes and circulating nitrates	Nutrition and Microbiome	Fri, Nov 16	229
Tianying Wu	Urinary Nitrates in Relation to Glomerular Filtrate rate (GFR) and	Aging	Sat, Nov 17	310
Chuanchen Wu	A Rapid and High-Sensitive Detection of Hepatocellular Carcinoma	Cancer	Fri, Nov 16	163
Bowen Xie	Low level saturated fatty acid palmitate benefits liver cells by	Metabolism/Bioenergetics	Fri, Nov 16	222
Bowen Xie	Combined STAT3 and ERK1/2 inhibition synergizes with radiation to	Cancer	Fri, Nov 16	164
Dianna Xing	Effects of Nitric Oxide and Sulfide Donors on Stored Platelet	Cardiovascular and Pulmonary	Thurs, Nov 15	067
Zhelong Xu	Mitochondrial STAT3 serine phosphorylation by zinc reduces ROS	Cardiovascular and Pulmonary	Thurs, Nov 15	068
Moua Yang	Protein Sulfenylation by Oxidized Lipid Signaling Promotes	Cardiovascular and Pulmonary	Thurs, Nov 15	069
Wei-Chen Yen	G6PD Knockdown-mediated Impairment of Inflammasome	Inflammation and Immunity	Sat, Nov 17	269
Scott Yeudall	Microglia Undergo Metabolic Adaptation During Heme	Metabolism/Bioenergetics	Fri, Nov 16	224
Kelsi Yu	Oxygen Concentration Dependency of Adaptive Homeostatic	Aging	Sat, Nov 17	311
Elias Zachariae	Two structures from a single gene: investigating the differential	Chemical Biology	Thurs, Nov 15	114
Natalia Zamorano	ENRICHMENT OF OXIDIZED PEPTIDES ALLOWS	Chemical Biology	Thurs, Nov 15	115
Evgeny Zemskov	Cyclic Stretch-Induced eNOS Translocation to the Mitochondrion	Cardiovascular and Pulmonary	Thurs, Nov 15	071
Tianli Zhang	Emerging role of glutathione in the activation of NLRP3	Inflammation and Immunity	Sat, Nov 17	271
Zhen Zhang	Hydrogen Sulfide Counteracts Angiotensin II-Stimulated Glomerular	Cardiovascular and Pulmonary	Thurs, Nov 15	073
Hongqiao Zhang	Ambient carbon nanoparticles activated Nrf2 signaling through	Environmental	Sat, Nov 17	292
Hongqiao Zhang	Down regulation of glutathione and glutamate cysteine ligase in the	Inflammation and Immunity	Sat, Nov 17	270
X.F. Steven Zheng	SOD1 Phosphorylation by mTORC1 Integrates Nutrient Sensing and	Cancer	Fri, Nov 16	165
YongQing Zhou	Fluorescence Visualization of Peroxisome Peroxynitrite in Live Cells	Chemical Biology	Thurs, Nov 15	116
Yuxiang Zhu	A mechanism by which MnTE-2-PyP suppresses growth in prostate	Cancer	Fri, Nov 16	167
Jacek Zielonka	Targeting redox-active pyridinium cations to mitochondria to inhibit	Cancer	Fri, Nov 16	168