

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

Presenting Author	Abstract Title	Category	Poster Session	Poster No.
Phablo Abreu	Endurance exercise promotes muscle stem cell self-renewal and	Metabolism/Bioenergetics	Fri, Nov 22	172
Layne Adams	Valproic acid causes an increase in S-glutathionylation and cysteine	Environmental	Thurs, Nov 21	077
Yong Joo Ahn	Macrophage-Specific Overexpression of Glutaredoxin 1 Protects Mice	Cardiovascular and Pulmonary	Sat, Nov 23	243
Jared Ailts	Metformin-dependent exacerbation of pathologies in Friedreich's	Metabolism/Bioenergetics	Fri, Nov 22	173
Masahiro Akiyama	Phase-zero reaction as a primary defense system against	Environmental	Thurs, Nov 21	078
Md Yousuf Ali	Cytochrome c oxidase subunit 4 regulates resistance to radiation in	Cancer	Fri, Nov 22	118
Elmira Alipour	Combined Effect of Nitrite with Far-Red Light for Applications in	Cardiovascular and Pulmonary	Sat, Nov 23	244
Colin Anderson	The maneb model of Parkinson's disease: more than the	Environmental	Thurs, Nov 21	079
Gowtham Annarapu	Ferric heme induces platelet activation and mtROS production	Chemical Biology	Thurs, Nov 21	002
Taide Arista-Ugalde	Antioxidant effect of Sechium edule (Chayote) supplement intake in	Aging	Sat, Nov 23	300
Manoj Arra	LDHA is the pathological nexus between inflammation, metabolism	Metabolism/Bioenergetics	Fri, Nov 22	175
Aditya Arya	Custom designed nanoceria augments mitochondrial redox ability	Metabolism/Bioenergetics	Fri, Nov 22	176
Ohara Augusto	Thiyl radicals are co-products of dinitrosyl iron complexes (DNIC)	Chemical Biology	Thurs, Nov 21	003
Ohara Augusto	The bicarbonate/carbon dioxide pair increases hydrogen peroxide-	Metabolism/Bioenergetics	Fri, Nov 22	177
Somaiyeh Azmoun	Genome-wide distribution of oxidatively damaged DNA, and	Environmental	Thurs, Nov 21	080
Tatjana A. Bairova	PREVALENCE OF CATALASE C262T GENE POLYMORPHISM	Genetics/Epigenetics	Thurs, Nov 21	108
Arun Balasubramaniam	The human skin bacteria Staphylococcus epidermidis fermentation	Nutrition and Microbiome	Thurs, Nov 21	113
Mayuri Bandekar	Therapeutic Radioprotection by Human Umbilical Cord Derived	Chemical Biology	Thurs, Nov 21	004
John Bang	Immuno-spin trapping of Copper nanoparticles for beta-amyloid	Neurodegenerative Disease	Fri, Nov 22	217
Daniel Barbare	Evaluating the Physical, Chemical and Structural Properties of	Chemical Biology	Thurs, Nov 21	005
Silvina Bartsaghi	Peroxynitrite-mediated oxidation and inactivation of human	Neurodegenerative Disease	Fri, Nov 22	218
Etelvino José Bechara	MICHAEL ADDITION OF PEROXYNITRITE TO ACROLEIN	Chemical Biology	Thurs, Nov 21	006
Osama Bekhet	Imbalance of redox status in Pseudomonas fluorescens ATCC 13525	Environmental	Thurs, Nov 21	081
Brandon Berry	ENERGIZING MITOCHONDRIA WITH LIGHT: ISOLATING	Metabolism/Bioenergetics	Fri, Nov 22	178
Khushwant Singh Bhullar	Boosting cell metabolism with a tri-peptide IRW that activates	Aging	Sat, Nov 23	301
Franziska Bollmann	Redox-regulation of NADPH Oxidase 4 in Cardiovascular Disease	Cardiovascular and Pulmonary	Sat, Nov 23	246
Sarah Bolton	Developing Methods of Biological Delivery of Sulfane Sulfur	Chemical Biology	Thurs, Nov 21	007
Coy Brunssen	Impact of cigarette smoke compared to next generation tobacco and	Cardiovascular and Pulmonary	Sat, Nov 23	247
Marta Bueno	Cyb5R3 in alveolar epithelial cells confers protection against the	Aging	Sat, Nov 23	302
Nicholas Buglak	Cinnamic aldehyde inhibition of neointimal hyperplasia is Nrf2-	Cardiovascular and Pulmonary	Sat, Nov 23	248
Aimee Butler	Disulfiram induces radio-chemo-sensitization in small cell lung cancer	Cancer	Fri, Nov 22	119
Melina Cardoso dos Santos	A new Prx inhibitor from Brazilian biodiversity with antibacterial	Chemical Biology	Thurs, Nov 21	008
Ana Cartaya	Macrophage-mediated targeted delivery of redox interventions for	Inflammation and Immunity	Sat, Nov 23	328

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Luksana Chaiswing	TEMPOL-enhanced MRI Reveals Distinct Redox State In Aggressive	Cancer	Fri, Nov 22	120
Arpita Chatterjee	Protective role of manganese porphyrin against radiation-induced	Chemical Biology	Thurs, Nov 21	009
Ying Chen	Adaptive O-GlcNAcylation signaling driven by chronic GSH	Metabolism/Bioenergetics	Fri, Nov 22	179
Liuji Chen	Glutathione peroxidase 4 reduces lipid peroxidation and improves	Neurodegenerative Disease	Fri, Nov 22	222
Florencia Claveles Casas	NEUTROPHILIC INFLAMMATION INDUCES GENOTOXICITY	Cardiovascular and Pulmonary	Sat, Nov 23	249
Florencia Claveles Casas	Scavenging of intracellularly produced HOCl with resveratrol	Environmental	Thurs, Nov 21	082
Florencia Claveles Casas	The nitron 5,5-dimethyl-1-pyrroline N-oxide is an antagonist of	Inflammation and Immunity	Sat, Nov 23	329
Laura Corrales-Diaz Pomatto	The Many Faces of Nrf2: Short Term 4:10 Cycles of Low Caloric	Cancer	Fri, Nov 22	121
Carlos Cruz-Cortes	Effect of antioxidants administration on antioxidant-oxidant and	Cancer	Fri, Nov 22	122
Brian Cunniff	Targeting mitochondrial redox status in aggressive cancers	Cancer	Fri, Nov 22	123
Brian Dalton	Free radical scavenging carbon nanodots (CNDs) as a chemical	Neurodegenerative Disease	Fri, Nov 22	223
Aya Darawsha	The protective effect of carotenoids, polyphenols and sex hormones on	Inflammation and Immunity	Sat, Nov 23	330
Marina Darenskaya	Antioxidant enzymes activity in regional blood in women with	Chemical Biology	Thurs, Nov 21	010
Marina Darenskaya	Changes of lipid peroxidation-antioxidant defense system parameters	Inflammation and Immunity	Sat, Nov 23	331
Marina Darenskaya	Lipid peroxidation activity in Mongoloid-adolescents with obesity	Metabolism/Bioenergetics	Fri, Nov 22	180
Michael Davies	Binding of myeloperoxidase to the extracellular matrix of smooth	Cardiovascular and Pulmonary	Sat, Nov 23	250
Michael Davies	Modification of Cys residues in thioredoxin1 by p-benzoquinone	Chemical Biology	Thurs, Nov 21	011
Michael Davies	Targeting of the selenoprotein thioredoxin reductase-1 by p-	Chemical Biology	Thurs, Nov 21	012
Mariana de Oliveira	Targeting ROS in experimental mouse cystitis: Role of NADPH	Inflammation and Immunity	Sat, Nov 23	332
Anthony DeMartino	Allosteric modulation of cytoglobin heme pocket reactivity by critical	Chemical Biology	Thurs, Nov 21	013
Asokan Devarajan	Intrauterine growth restriction increases the hepatic expression of	Metabolism/Bioenergetics	Fri, Nov 22	181
Gabriel Dorighello	Cholesteryl Ester Transfer Protein (CETP) Expression Modulates	Inflammation and Immunity	Sat, Nov 23	333
Juan Du	Pharmacological ascorbate radiosensitizes pancreatic cancer cells by	Cancer	Fri, Nov 22	124
Kimberly Dunham-Snary	Mitochondrial DNA integrity is compromised in pulmonary arterial	Cardiovascular and Pulmonary	Sat, Nov 23	251
Katelyn Dunigan	Contributions of Strain and Sex on the Effects of Aurothioglucose in	Cardiovascular and Pulmonary	Sat, Nov 23	252
Hanan Elajaili	Redox Regulation by Extracellular Superoxide Dismutase (EC-SOD)	Cardiovascular and Pulmonary	Sat, Nov 23	253
Maryam ElShafei	The Mechanism by which Endoperoxide-Produced Singlet Oxygen	Chemical Biology	Thurs, Nov 21	015
Miho Emoto	Effect of glutathione and ascorbic acid on the brain redox status in	Neurodegenerative Disease	Fri, Nov 22	224
Oksana A. Ershova	Catalase gene C262T polymorphism association with antioxidant	Genetics/Epigenetics	Thurs, Nov 21	109
Hinako Eto	Development and basic performance evaluation of a large DNP-MRI	Metabolism/Bioenergetics	Fri, Nov 22	183
Sara Evke	The Protective Role of the Epitranscriptome Against Acetaminophen	Environmental	Thurs, Nov 21	084
Wanyi Fang	Salivary nitric oxide: a potential biomarker of autism spectrum	Neurodegenerative Disease	Fri, Nov 22	225
Jenna Faulkner	Understanding the Roles of Macrophage Mitochondria in Spinal	Inflammation and Immunity	Sat, Nov 23	335

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Maria Fedorova	Redox derived damage associated molecular patterns (DAMPs) as	Inflammation and Immunity	Sat, Nov 23	336
Jolyn Fernandes	Metabolomics Reveals Manganese Potentiation of Blue-Light Effects	Aging	Sat, Nov 23	303
Aron Fisher	Peptides derived from lung surfactant protein A limit lung	Cardiovascular and Pulmonary	Sat, Nov 23	254
Susanne Flor	Superoxide Dismutase 2 and Catalase Drive Chemoresistance and	Cancer	Fri, Nov 22	125
Chelsey Fontenot	Iron-Sulfur Cluster Biogenesis and Iron Homeostasis	Chemical Biology	Thurs, Nov 21	018
Jocelyn Fuentes	Low nanomolar concentrations of a quercetin oxidation product,	Chemical Biology	Thurs, Nov 21	019
Koji Fukui	Development of neurite isolated methods and proteomic analysis in	Neurodegenerative Disease	Fri, Nov 22	226
Kyle Fulghum	Aerobic Exercise Does Not Promote Significant Adaptations in	Metabolism/Bioenergetics	Fri, Nov 22	184
Kyle Fulghum	Stable isotope-resolved metabolomics to assess cardiac metabolism in	Metabolism/Bioenergetics	Fri, Nov 22	185
Matthew Gaffrey	Sample Processing for Profiling Reversible Redox Modifications in	Chemical Biology	Thurs, Nov 21	020
Andrew Gibson	Cold physical plasmas: controllable reactive species sources for	Chemical Biology	Thurs, Nov 21	021
Gregory Giles	Nanostring analysis of the effect of nitric oxide on cancer gene	Cancer	Fri, Nov 22	127
Young-Mi Go	Metabolome-wide association study (MWAS) of glutathione in	Aging	Sat, Nov 23	304
Caroline Goncalves de Goes	Ahp1 is an important peroxiredoxin under stress by organic peroxide	Metabolism/Bioenergetics	Fri, Nov 22	186
Nathalie Grandvaux	Regulation of the response to DNA virus infection through oxidative	Inflammation and Immunity	Sat, Nov 23	337
Murilo Graton	ANTIOXIDANT DEFENSE IN MESENTERIC ARTERIES FROM	Cardiovascular and Pulmonary	Sat, Nov 23	255
Sebastian Gremer	Oxidation of PKG Ia C42 potentiates kinase activation by cyclic	Cardiovascular and Pulmonary	Sat, Nov 23	256
Hakan Gustafsson	BARETT'S ESOPHAGUS AND OXIDATIVE STRESS:	Cancer	Fri, Nov 22	129
Jae Won Ha	Quercetin suppresses prostaglandin E2 synthesis without inhibiting	Aging	Sat, Nov 23	305
Ying Han	Pathogenic role of Salusin-β in the development of Vascular	Cardiovascular and Pulmonary	Sat, Nov 23	257
Jason Hansen	Senescent lung carcinoma cells show resistance to oxidant-induced	Aging	Sat, Nov 23	306
Parker Haycock	A Novel Nitric Oxide-Releasing Elastomeric Chain for Antimicrobial	Chemical Biology	Thurs, Nov 21	022
Jason Held	A clickable probe for versatile characterization of S-nitrosothiols in	Chemical Biology	Thurs, Nov 21	023
Karl Herbert	Heterodimerization of angiotensin and cannabinoid receptors	Aging	Sat, Nov 23	307
Vincent Hervé	Role of apolipoprotein D in spatial memory and on the levels of the	Neurodegenerative Disease	Fri, Nov 22	227
Miltha Hidalgo	Impact of caffeic acid and quercetin on the antioxidant machinery	Nutrition and Microbiome	Thurs, Nov 21	114
Reiko Hirose	1,4-Naphthoquinone-mediated activation of PTEN/Akt/CREB	Environmental	Thurs, Nov 21	085
Jie Huang	Identification of DLG1 in HER2-mediated radioresistant breast	Cancer	Fri, Nov 22	131
Giwook Hwang	Methylmercury causes neuronal cell death by impairing	Environmental	Thurs, Nov 21	086
Fuminori Hyodo	In vivo melanoma imaging on living mice using dynamic nuclear	Metabolism/Bioenergetics	Fri, Nov 22	188
Fuminori Hyodo	Imaging of liver redox metabolism for NASH diagnosis using in vivo	Metabolism/Bioenergetics	Fri, Nov 22	189
Hiroshi Ichikawa	Preventive effects of S-allyl cysteine on Bisphenol A-induced sperm	Environmental	Thurs, Nov 21	087
Raghuram Inturi	Simultaneous Inhibition of SIRT 1 & SIRT 2 Induces Metabolic	Cancer	Fri, Nov 22	133

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Michael Isei	Copper acts at multiple sites in the electron transport system to	Environmental	Thurs, Nov 21	088
Johirul Islam	Protective efficacy of Diosmin against Benzo(a)pyrene induced	Chemical Biology	Thurs, Nov 21	024
Md. Imamul Islam	Uncovering the molecular cascades in Nuclear lamina mediated cell	Neurodegenerative Disease	Fri, Nov 22	228
Martin Jaburek	Quercetin, but not dihydroquercetin (taxifolin), attenuates the release	Metabolism/Bioenergetics	Fri, Nov 22	190
Joel James	A single mutation in NFU1 metabolically reprograms pulmonary	Cardiovascular and Pulmonary	Sat, Nov 23	258
Paras Jawaid	Gold nanorods with x-irradiation modulate the cellular redox	Cancer	Fri, Nov 22	135
Sang-Min Jeon	Targeting ROS metabolism for cancer therapy: Glucocorticoid	Cancer	Fri, Nov 22	136
Petr Jezek	Mitochondrial redox signaling upon 2-keto-isocaproate stimulated	Metabolism/Bioenergetics	Fri, Nov 22	191
Aaron Johnson	Myoglobin Regulates Breast Cancer Cell Proliferation and Migration	Cancer	Fri, Nov 22	137
Kristyna Kamarytova	Nitro-fatty acids are important regulators of cellular response to	Cancer	Fri, Nov 22	138
Isabella Karabinas	Nitrated Hsp90 Mediates Peroxynitrite-Induced Apoptosis	Neurodegenerative Disease	Fri, Nov 22	229
Yugo Kato	Tocotrienols prevent weight gain and brain oxidation in high-fat diet-	Nutrition and Microbiome	Thurs, Nov 21	115
Hiroyoshi Kawakami	The potential of lipid-polymer nanoparticle as epigenetic and ROS	Inflammation and Immunity	Sat, Nov 23	340
Jeriel Keeney	Reappearance of , changes in, and oxidative changes to neuromodulin	Neurodegenerative Disease	Fri, Nov 22	230
Juewon Kim	FoxO3a is the novel anti-aging factor for age-related skin senescence	Aging	Sat, Nov 23	309
Hong Seok Kim	Hypoxia-induced MKP-3 Negatively Regulates HIF-1α in Colon	Cancer	Fri, Nov 22	139
Yeon Kim	Post-transcriptional regulation of Sod2 is important for rapid protein	Cancer	Fri, Nov 22	140
Hyunjin Kim	IDH2 deficiency exacerbates acetaminophen hepatotoxicity in mice	Chemical Biology	Thurs, Nov 21	025
Mina Königsberg	MODERATE EXERCISE AND METFORMIN TREATMENT	Aging	Sat, Nov 23	311
Witold Korytowski	Bystander Effects of Nitric Oxide in Cellular Models of Anti-tumor	Cancer	Fri, Nov 22	141
Yoshito Kumagai	S-sulfuration of Cys215 is required for reversibility of PTP1B activity	Chemical Biology	Thurs, Nov 21	027
Murugaeson Kumar	Sulfane rush: Small oxoacids of sulfur (SOS) are the reactive	Chemical Biology	Thurs, Nov 21	028
Ravi Kumar	Skeletal muscle-specific Nox2 knockout increases survival and	Chemical Biology	Thurs, Nov 21	029
Sarah Lane	The Potential of Plant-based Compounds Produced by Poplar and	Chemical Biology	Thurs, Nov 21	030
Samantha Lapehn	Redox Status and Protein Quantity Dynamics following Valproic Acid	Environmental	Thurs, Nov 21	089
Emil List Larsen	The effect of increased physical activity on oxidatively generated	Chemical Biology	Thurs, Nov 21	032
Emil List Larsen	The effect of different training intensities on oxidatively generated	Chemical Biology	Thurs, Nov 21	033
Alexandra Latini	Deficient hippocampal AMPK phosphorylation and unfitted	Neurodegenerative Disease	Fri, Nov 22	231
Rachel Laufmann	Loss of Thioredoxin-1 in neurons of the central nervous system leads	Neurodegenerative Disease	Fri, Nov 22	232
Renato Leca	Evaluation of the influence of sun exposure on tear and blood vitamin	Metabolism/Bioenergetics	Fri, Nov 22	192
Carina Ledezma	INTRACEREBROVENTRICULAR INJECTION OF BETA	Neurodegenerative Disease	Fri, Nov 22	233
Joshua Lewis	Integration of machine learning and genome-scale metabolic	Metabolism/Bioenergetics	Fri, Nov 22	193
Hong Li	A Rapid and Robust Protocol for Disulfide Bond Identification and	Chemical Biology	Thurs, Nov 21	035

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Qian Li	Quantitation of Spin Probe-Detectable Oxidants in Cells Using	Chemical Biology	Thurs, Nov 21	036
Li Li	Inner Membrane Herniation after Mitochondrial Swelling Initiates	Metabolism/Bioenergetics	Fri, Nov 22	195
Desmond Li	Redox modifications of cysteine in the liver of type 2 diabetes mellitus	Metabolism/Bioenergetics	Fri, Nov 22	194
Liping Liang	Catalytic Antioxidant therapy in a Rat Nerve Agent Model.	Neurodegenerative Disease	Fri, Nov 22	234
Vivian Lin	Thioredoxin Reductase Inhibition Attenuates Acute Lung Injury and	Cardiovascular and Pulmonary	Sat, Nov 23	259
Giovanni Lineros Franco	Targeting gastric cancer cells metabolism and bioenergetics by	Cancer	Fri, Nov 22	143
Giovanni Lineros Franco	Mitochondria-targeted metformin (Mito-Met), a novel approach for	Cancer	Fri, Nov 22	144
Fangfei Liu	A crucial role of AngII in aging-associated brain Nox2 activation and	Aging	Sat, Nov 23	313
Dan Liu	The anti-tumor and immunoregulatory effect of green seaweed Ulva	Cancer	Fri, Nov 22	145
Taiming Liu	L-NAME releases nitric oxide and potentiates subsequent	Cardiovascular and Pulmonary	Sat, Nov 23	261
Taiming Liu	High altitude hypoxia alters the iron/metalloproteins and NO	Cardiovascular and Pulmonary	Sat, Nov 23	262
Fangfei Liu	In vivo PKPD evaluation and computer modelling of apocynin in	Chemical Biology	Thurs, Nov 21	037
Hui-Ya Liu	Metabolomics approach to define metabolic reprogramming for G6PD-	Metabolism/Bioenergetics	Fri, Nov 22	197
Feng Liu-Smith	Luteolin inhibits melanoma growth in vitro and in vivo via regulating	Cancer	Fri, Nov 22	146
Avinash Londhe	Characterization of PTP1B activation by small molecules	Chemical Biology	Thurs, Nov 21	038
Lucia Lopes	Host NADPH Oxidase Nox1 is essential for melanoma tumor growth	Cancer	Fri, Nov 22	147
Camilo Lopez	Peroxyl radical-induced crosslinking of superoxide dismutase 1	Chemical Biology	Thurs, Nov 21	039
Cristofer Martín Lopez	DMPO traps DNA-centered radicals preventing hrpt gene	Environmental	Thurs, Nov 21	090
Norma Edith Lopez-Diazguerro	Energy metabolism and redox status in MCF10A cells induced to	Aging	Sat, Nov 23	314
Qing Lu	Differential effects of biomechanical forces on endothelial	Cardiovascular and Pulmonary	Sat, Nov 23	263
Zhuomin Lu	Redox activity of a novel variable-charge ruthenium complex in	Chemical Biology	Thurs, Nov 21	040
Stephen Lucas	Valproic Acid Promotes Acetylation of Superoxide Dismutase-2	Environmental	Thurs, Nov 21	091
Heather Lucas	Harnessing designer biomimetic antioxidants to mitigate pathological	Neurodegenerative Disease	Fri, Nov 22	235
Sophie Maiocchi	Targeted Immune cell-mediated delivery of redox interventions for	Cardiovascular and Pulmonary	Sat, Nov 23	264
Hideyuki Majima	Effects of Extremely Small Doses, 100 mGy a Day, Five Times a	Chemical Biology	Thurs, Nov 21	041
Yusuke Makino	Quantification of X-ray induced hydrogen radicals in an aqueous	Chemical Biology	Thurs, Nov 21	042
Lok Man	Multi-omics analysis of a cystine transport protein involved in sulfur	Nutrition and Microbiome	Thurs, Nov 21	116
Gianmichele Massimo	NATURAL MUTATIONS OF THE HUMAN Xdh IMPACT UPON	Cardiovascular and Pulmonary	Sat, Nov 23	265
Raffaella Mastrocola	KRIT1/CCM1 loss-of-function mutations impair anti-glycative and	Metabolism/Bioenergetics	Fri, Nov 22	198
Ken-ichiro Matsumoto	Presence of X-ray induced high concentrated hydrogen peroxide	Chemical Biology	Thurs, Nov 21	044
Ivy McDermott	Mice Expressing R213G SNP in SOD3 exhibit reduced CD4+ T-cell	Inflammation and Immunity	Sat, Nov 23	341
Martina Meinke	Skin as a target for stress monitoring - EPR investigations on excised	Chemical Biology	Thurs, Nov 21	045
Diogo Meireles	Roles of Cys residues in the thiol-disulfide oxidoreductase and	Chemical Biology	Thurs, Nov 21	046

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Juan Melendez	Redox-control of senescence associated calcium mobilization through	Aging	Sat, Nov 23	316
Fabiana Melo	Contribution of tetrahydrobiopterin throughout tumor progression:	Cancer	Fri, Nov 22	148
Yukiko Minamiyama	S-allyl-glutathione regulates macrophage polarization in rats	Inflammation and Immunity	Sat, Nov 23	343
Edwin Miranda	Glyoxalase I Depletion in Obese Skeletal Muscle via SIRT1	Metabolism/Bioenergetics	Fri, Nov 22	199
Hikaru Miyamoto	Development of a new rat model to assess the acute exacerbation of	Cardiovascular and Pulmonary	Sat, Nov 23	267
Thangarajeswari Mohan	EGCG impedes Nrf2 degradation, favors its translocation into the	Metabolism/Bioenergetics	Fri, Nov 22	200
Brahma Mulugu	Redox regulations: perspectives on glycation, glycosylation,	Environmental	Thurs, Nov 21	092
Zuzana Nagyova	Oak wood extract, Robuvit®, exhibits antioxidant properties in vitro	Chemical Biology	Thurs, Nov 21	047
Ikuo Nakanishi	Kinetic Isotope Effect in the Reaction of Water-Soluble Antioxidants	Chemical Biology	Thurs, Nov 21	048
Morgan Narain	An Evaluation of the Role of Nrf2 in Neointimal Hyperplasia	Cardiovascular and Pulmonary	Sat, Nov 23	268
Luis Netto	Substrate-assisted catalysis: molecular aspects behind unique	Chemical Biology	Thurs, Nov 21	049
Amanda Ngouajio	Thioredoxin Reductase Inhibition Sensitizes Erlotinib-resistant Head	Cancer	Fri, Nov 22	149
Anna-Liisa Nieminen	Role of the Calcium Uniporter in Mitochondrial Iron Uptake in	Metabolism/Bioenergetics	Fri, Nov 22	201
James O'Brien	Nitro-oleic acid attenuates aerobic glycolysis and effector function in	Metabolism/Bioenergetics	Fri, Nov 22	202
Brianne O'Leary	Pharmacological ascorbate attenuates the metastatic potential of	Cancer	Fri, Nov 22	150
Igor Obraztsov	Neutrophil oxidative output alterations as an early biomarker of	Inflammation and Immunity	Sat, Nov 23	345
Rei-ichi Ohno	Involvement of oxidation and glycation in protein modification in	Metabolism/Bioenergetics	Fri, Nov 22	203
Claudia Oliva	IGFBP6 controls the expansion of chemoresistant glioblastoma	Cancer	Fri, Nov 22	151
John Onukwufor	Quantification of SuperNova and KillerRed superoxide and singlet	Chemical Biology	Thurs, Nov 21	050
John Onukwufor	Optogenetic control of the mitochondrial complex I reactive oxygen	Metabolism/Bioenergetics	Fri, Nov 22	204
Michael Orr	Characterization of Nutritional and Environmental Metals after	Environmental	Thurs, Nov 21	093
Ethan Ostrom	GCLC protein responses to acute exercise and exercise training are	Aging	Sat, Nov 23	317
Lang Pan	Interaction of 8-oxoguanine DNA Glycosylase-1 with DNA: RNA	Inflammation and Immunity	Sat, Nov 23	347
Harshul Pandit	Potential mechanistic links between cancer treatment and	Neurodegenerative Disease	Fri, Nov 22	238
Lizhi Pang	EpCAM targeted 3WJ RNA nanoparticle harboring delta-5-	Cancer	Fri, Nov 22	152
Chang-Shin Park	Lead Enhances CaMKII-mediated Ser847 Phosphorylation and	Environmental	Thurs, Nov 21	094
Rajesh Parsanathan	Glucose-6-phosphate dehydrogenase deficiency upregulates TGF-β	Cardiovascular and Pulmonary	Sat, Nov 23	269
Rajesh Parsanathan	Hydrogen sulfide deficiency impairs core clock genes and clock-	Chemical Biology	Thurs, Nov 21	051
Edgar Pastene	Chemical and enzymatic oxidation of proanthocyanidins derived	Chemical Biology	Thurs, Nov 21	052
Raghvendra Patwardhan	Disruption of mitochondrial redox homeostasis prevents T cell	Inflammation and Immunity	Sat, Nov 23	348
Kaitlin Pensabene	Synergistically Activating the Nrf2/ARE Pathway by Combining	Chemical Biology	Thurs, Nov 21	053
Ryan Perkins	Maintenance hemodialysis patients exhibit an elevated circulating	Inflammation and Immunity	Sat, Nov 23	350
Shazib Pervaiz	Pro-oxidant milieu promotes stability and activation of the onco-	Cancer	Fri, Nov 22	154

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Ted Piorczynski	The protective effects of Nrf2 against valproic acid in differentiating	Environmental	Thurs, Nov 21	095
Karla Pires	Iron and cell cycle modulation: is Irp2-S157 phosphorylation the	Metabolism/Bioenergetics	Fri, Nov 22	205
Leslie Poole	Sulfenic acid-directed chemical probes and workflows for assessing	Chemical Biology	Thurs, Nov 21	054
Simone R. Potje	Heparan sulfate proteoglycans modulate calcium storage and	Cardiovascular and Pulmonary	Sat, Nov 23	270
Srihari Prahadeeswaran	Impaired Antioxidant Signaling Impedes Skeletal Muscle Myoblast	Aging	Sat, Nov 23	318
Roxane Prioux	Comparing skin aging in vitro induced by external and internal	Aging	Sat, Nov 23	319
Wei-Jun Qian	The Landscape of Thiol-based Redox Proteome in terms of	Chemical Biology	Thurs, Nov 21	055
Andrew Raddatz	Agent-based modeling of the bystander effect due to	Cancer	Fri, Nov 22	155
Olga Rafikova	Redox regulation of cytokine release in male and female patients with	Cardiovascular and Pulmonary	Sat, Nov 23	271
Irfan Rahman	JUUL and pod e-Cigarette Flavors Impose Oxidative Stress And	Cardiovascular and Pulmonary	Sat, Nov 23	272
Abinayaa Rajkumar	The impact of redox changes on homocysteine metabolism in heart	Cardiovascular and Pulmonary	Sat, Nov 23	273
Krithika Rao	Myoglobin regulates cardiomyocyte differentiation through	Cardiovascular and Pulmonary	Sat, Nov 23	274
Mati Ur Rehman	Bardoxolone methyl (CDDO-Me or RTA402) induces paraptosis	Cancer	Fri, Nov 22	156
Sam Rodman	NADPH oxidase 4 is increased in both synovial and fascial	Cancer	Fri, Nov 22	157
Natalia Romero	Assessing real time functional cellular energetics by measuring ATP	Metabolism/Bioenergetics	Fri, Nov 22	206
Alex Rookyard	Multi-omic profiling of metabolic dysfunction caused by myocardial	Cardiovascular and Pulmonary	Sat, Nov 23	275
Juana Rosado	Oxidative stress and inflammation markers related to aging and	Aging	Sat, Nov 23	320
Micah Ross	A comparative study of developmental toxicants that cause neural	Environmental	Thurs, Nov 21	099
Elena Ruppenkamp	Pharmacological ascorbate enhances chemotherapies in pancreatic	Cancer	Fri, Nov 22	158
Kishore Kumar S Narasimhan	Ablation of Nrf2 is trivial in chronic myocardial ischemia/reperfusion	Cardiovascular and Pulmonary	Sat, Nov 23	276
Patrick San Gabriel	TEMPOL fails to ameliorate chronic experimental colitis and	Inflammation and Immunity	Sat, Nov 23	351
Martha Sanchez-Rodriguez	Sedentary lifestyle as a risk factor to oxidative stress during aging in	Aging	Sat, Nov 23	321
Nalini Santanam	Sex dimorphism in adipomiRs and risk to Insulin Resistance with	Aging	Sat, Nov 23	322
Nalini Santanam	Redox regulation of behavior changes in diet-induced “stress-less”	Metabolism/Bioenergetics	Fri, Nov 22	207
Alejandro Scaffa	Hyperoxia promotes senescence in type II-like mouse lung epithelial	Cardiovascular and Pulmonary	Sat, Nov 23	277
Maria Lucia Schiavone	HGA induces oxidative damage in a osteoblastic cellular model of	Chemical Biology	Thurs, Nov 21	057
Caspar Schiffers	Downregulation of Epithelial Dual Oxidase 1 (DUOX1) in Chronic	Cardiovascular and Pulmonary	Sat, Nov 23	278
Torben Schubert	Nitro-oleic acid prevents hypertrophy of induced pluripotent stem	Cardiovascular and Pulmonary	Sat, Nov 23	281
Natalya V. Semenova	ASSOCIATION LIPID PEROXIDATION PARAMETERS AND	Genetics/Epigenetics	Thurs, Nov 21	110
Natalya V. Semenova	GLUTATHIONE ENZYMES ACTIVITY AND THE CLOCK	Genetics/Epigenetics	Thurs, Nov 21	111
Minseok Seo	Pelargonidin ameliorates acetaminophen-induced hepatotoxicity in	Chemical Biology	Thurs, Nov 21	058
Harshit Shah	3WJ-EpCAM-D5D siRNA nanoparticle imposes COX-2 catalyzed	Cancer	Fri, Nov 22	159
Yuki Shibata	A basic study on PET imaging technique for predicting cancer	Cancer	Fri, Nov 22	160

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Hye Ji Shin	PPARγ ligand attenuates collagen receptor-mediated platelet	Cardiovascular and Pulmonary	Sat, Nov 23	284
Yasuhiro Shinkai	Identification, characterization and a three-dimensional structure	Chemical Biology	Thurs, Nov 21	059
Debarati Shome	THE EFFECT OF COLD ATMOSPHERIC PLASMA (CAP) ON	Environmental	Thurs, Nov 21	100
Alpa Shree	Colonoprotective efficacy of Gallic Acid against 1,2-	Chemical Biology	Thurs, Nov 21	060
Joy Smith	Sulforaphane inhibits SHP2 to provide therapy against Noonan	Chemical Biology	Thurs, Nov 21	061
Matthew Ryan Smith	Metabolome-Wide Association Study of Vanadium Exposure Reveals	Environmental	Thurs, Nov 21	101
Trieu Son	Copper toxicity and chemoresistance in malignant brain tumor	Cancer	Fri, Nov 22	162
Hyerim Song	Identification of epigenetic modulators that inhibit melanin synthesis	Aging	Sat, Nov 23	323
Jeffrey Stolwijk	Supplementation of cell culture media with seleno-L-methionine	Chemical Biology	Thurs, Nov 21	062
Hikari Sugawa	Detection of methylglyoxal-modified alanine in human serum	Chemical Biology	Thurs, Nov 21	063
Xutong Sun	The mitochondrial redistribution of uncoupled eNOS is involved in	Metabolism/Bioenergetics	Fri, Nov 22	209
Nikoletta Szamecova	Nitro-oleic acid regulates stemness and cardiomyogenesis of	Cardiovascular and Pulmonary	Sat, Nov 23	286
Mika Tada	Evaluations for antioxidant effects of tyrosinase inhibitors using an	Chemical Biology	Thurs, Nov 21	064
Mika Tada	Investigations for mechanisms of UPEs from fluorescent oxidation	Chemical Biology	Thurs, Nov 21	065
Carlos Tairum	Distinct effects of catalytic triad Thr or Ser residues in the	Chemical Biology	Thurs, Nov 21	066
Fang Tan	Improvement of Insect tea extract on D-galactose induced aging in	Aging	Sat, Nov 23	324
Karen Tasca	PROPOLIS PROMOTES A LOWER OXIDATIVE STRESS IN	Inflammation and Immunity	Sat, Nov 23	352
Alev Tascioglu Aliyev	Adjuvant Melatonin Analogs Could Be Beneficial in Triple Negative	Cancer	Fri, Nov 22	164
Darlene Taylor	Evaluating the efficacy of chemo-delivery enabled by a	Cancer	Fri, Nov 22	165
Seyithan Taysi	The investigation of oxidative/nitrosative stress and DNA damage in	Cancer	Fri, Nov 22	166
Shane Thomas	Endothelial-Transcytosed Myeloperoxidase Activates Endothelial	Cardiovascular and Pulmonary	Sat, Nov 23	287
Shane Thomas	Novel Role for the Mitochondrial Calcium Exporter NCLX in	Cardiovascular and Pulmonary	Sat, Nov 23	288
Max Thorwald	Lipid Hydroperoxidases are Downregulated in Brains of ApoE4 Mice	Neurodegenerative Disease	Fri, Nov 22	239
Rheal Towner	OKN-007 as a Potential Therapeutic Agent for ALS: Preclinical	Neurodegenerative Disease	Fri, Nov 22	240
Andres Trostchansky	Kinetic and mechanistic analysis of nitroarachidonic acid (NO₂-AA)	Inflammation and Immunity	Sat, Nov 23	353
Belma Turan	Mitochondrial free Zn²⁺ changes can play important role in aging-	Aging	Thurs, Nov 21	325
Takashi Uehara	Detection of novel S-nitrosylated proteins in neuronal cells	Neurodegenerative Disease	Fri, Nov 22	241
Clint Upchurch	Pathogenic oxidized phospholipids regulate gene expression, cellular	Metabolism/Bioenergetics	Fri, Nov 22	210
Mahboubeh Varmazyad	Repurposing of FDA-approved sesquiterpene lactone antimalarial	Cancer	Fri, Nov 22	168
Dhiraj Vattam	Cannabis spp. bioactives abrogate experimentally induced	Neurodegenerative Disease	Fri, Nov 22	242
Jose Pablo Vazquez-Medina	Peroxiredoxin 6 regulates ferroptosis in lung endothelial cells	Chemical Biology	Thurs, Nov 21	068
Brett Wagner	Applying the concept of moles per cell to the chemical tools used in	Chemical Biology	Thurs, Nov 21	069
Nadeem Wajih	Combined Far Red Light and Nitrite Accelerates Full-Thickness	Environmental	Thurs, Nov 21	102

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Fengjie Wan	Low glutathione-modulated O-GlcNAcylation signaling in liver injury	Inflammation and Immunity	Sat, Nov 23	355
Jufang Wang	Long-term G2 arrested cells induced by ionizing radiation entered	Aging	Sat, Nov 23	326
Su Bin Wang	Prdx2 deficiency exacerbates platelet-mediated thrombosis in the	Cardiovascular and Pulmonary	Sat, Nov 23	294
Luxi Wang	Role of HDAC2 in Regulating Protein Thiol Redox State, Monocyte	Cardiovascular and Pulmonary	Sat, Nov 23	293
Xi Wang	Accurate Profiling of Inflammatory Cytokine-induced S-nitrosylation	Inflammation and Immunity	Sat, Nov 23	357
Ke Wang	Role of 8-oxoguanine DNA Glycosylase1 in Respiratory Syncytial	Inflammation and Immunity	Sat, Nov 23	356
Nathan Ward	NNT Regulation of Redox Homeostasis Supports Mitochondrial	Metabolism/Bioenergetics	Fri, Nov 22	211
Jianjun Wei	Carbon Nanodots in Living Cells: The Effect on Oxidative Stress and	Chemical Biology	Thurs, Nov 21	070
Xiaomin Wu	Preventing RhoA nitration attenuates NF-kb dependent	Cardiovascular and Pulmonary	Sat, Nov 23	295
Jiaqi Wu	Dietary Antioxidants Significantly Improve Macrophage Function in	Nutrition and Microbiome	Thurs, Nov 21	117
Dianna Xing	Role of Nitric Oxide and Hydrogen Sulfide on Mitochondrial	Metabolism/Bioenergetics	Fri, Nov 22	213
Ken-ichi Yamada	Detection and inhibition of in vivo lipid-derived radicals	Chemical Biology	Thurs, Nov 21	071
Liang-Jun Yan	The neuroprotective role of mitochondrial dihydrolipoamide	Metabolism/Bioenergetics	Fri, Nov 22	214
Keiji Yasukawa	Involvement of sulfite-derived radicals with initiation of DSS-induced	Inflammation and Immunity	Sat, Nov 23	358
Sen Ye	A Ratiometric Fluorescent Probe for Detection and Quantification of	Chemical Biology	Thurs, Nov 21	073
Manivannan Yegambaram	Mitochondrial derived hydrogen peroxide results an increase in	Cardiovascular and Pulmonary	Sat, Nov 23	296
Evgeny Zemskov	Activation of the Mechanoreceptor, TRPV4 is Sufficient to Induce a	Cardiovascular and Pulmonary	Sat, Nov 23	297
Xu Zhang	The DHTKD1 pathogenic mutation encoding the G729R 2-oxoadipate	Chemical Biology	Thurs, Nov 21	075
Hong Zhang	Mitochondrial proteomics reveals the mechanism of spermatogenic	Genetics/Epigenetics	Thurs, Nov 21	112
Hongqiao Zhang	Down-regulation of glutathione and glutamate cysteine ligase in the	Inflammation and Immunity	Sat, Nov 23	359
Chao Zhao	Potential anti-oxidant effect of green alga Enteromorpha prolifera	Aging	Sat, Nov 23	327
Qing-Li Zhao	Tempo induces switch between apoptosis and autophagy in	Cancer	Fri, Nov 22	169
Yun-Min Zheng	Role of sarcoplasmic reticulum Ca²⁺ release in hypoxia-induced	Cardiovascular and Pulmonary	Sat, Nov 23	298
Xu Zheng	8-oxoguanine DNA glycosylase1 Couples NF-κB with Inflammation in	Inflammation and Immunity	Sat, Nov 23	360
Yuxiang Zhu	Mechanisms by which MnTE-2-PyP suppresses prostate cancer cell	Cancer	Fri, Nov 22	170
Jacek Zielonka	Simultaneous induction of bioenergetic and redox stress as a strategy	Cancer	Fri, Nov 22	171