

## POSTER PRESENTATIONS

(alphabetically by Presenting Author's Last Name)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Matilde Abboud Irazábal</b> <i>Universidad de la República Uruguay</i>	Biochemical Aspects of Trypanosoma Cruzi Hybrid Hemoperoxidase (APxCcP) During Infection Of Mammalian Cells	Redox / Cell Signaling	Thurs, Nov 16	<b>001</b>	
<b>Sofia Abramo</b> <i>Universidad de la República Uruguay</i>	Lipoxygenase isoforms in human macrophage phenotypes	Inflammation and Immunity	Thurs, Nov 16	<b>079</b>	
<b>Andrey Y. Abramov</b> <i>University College London United Kingdom</i>	Triggering oxidative stress by misfolded proteins in the mechanism of neurodegeneration	Neurodegenerative Disease	Sat, Nov 18	<b>338</b>	
<b>Azaj Ahmed</b> <i>University of Iowa United States</i>	Prediabetes increases platelet activation via SOD2 in young and middle-aged Veterans.	Redox / Cell Signaling	Thurs, Nov 16	<b>002</b>	
<b>Imad Al Ghouleh</b> <i>University of Pittsburgh United States</i>	A New Role for NOX1 in Pulmonary Hypertension-Associated Right Ventricle Hypertrophic Remodeling	Cardiovascular and Pulmonary	Fri, Nov 17	<b>169</b>	
<b>Adriana Alarcón-Aguilar</b> <i>Universidad Autónoma Metropolitana. Mexico</i>	Methotrexate preconditioning protects primary rat astrocytes against lethal oxidative stress	Neurodegenerative Disease	Sat, Nov 18	<b>339</b>	
<b>Hamza Yusuf Altun</b> <i>Sabancı University Turkey</i>	Importance of physiological oxygen levels for endothelial redox signaling using Hyper 7	Redox / Cell Signaling	Thurs, Nov 16	<b>003</b>	
<b>Andressa Amaral</b> <i>University of Sao Paulo Brazil</i>	Mitochondrial Calcium Dynamics and Bioenergetics in Autosomal Dominant Polycystic Kidney Disease: more pieces to the puzzle.	Metabolism/Bioenergetics	Fri, Nov 17	<b>125</b>	
<b>Plamena R. Angelova</b> <i>University College London United Kingdom</i>	Interplay of mitochondrial calcium and ROS as a trigger of carbon monoxide-induced brain damage	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>320</b>	
<b>Sandra Anjo</b> <i>CNC-UC Portugal</i>	How does the conventional cell culturing at atmospheric oxygen influence the response to oxidative stress and the thiol-based proteome remodeling?	Redox / Cell Signaling	Thurs, Nov 16	<b>004</b>	
<b>Sandra Anjo</b> <i>CNC-UC Portugal</i>	Intra- and extracellular proteome changes upon oxidative stress: focus on thiol-proteome	Redox / Cell Signaling	Thurs, Nov 16	<b>005</b>	
<b>Verena Araújo</b> <i>Facultad de Medicina - Universidad de la Uruguay</i>	Composition, bioavailability and bioactivity of galloylated flavan-3-ols from Vitis vinifera L.cv. Tannat pomace	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>321</b>	

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<b>Eduardo Arévalo</b> <i>Universidad Carlos III de Madrid Spain</i>	An oxidative shield surrounds the endoplasmic reticulum (ER) and topologically predicts a privileged region for signaling	Redox / Cell Signaling	Thurs, Nov 16	<b>006</b>	
<b>Elias Arner</b> <i>Karolinska Institutet Sweden</i>	Selenium in control of cell death – unresolved questions regarding the potential roles of glutathione peroxidases and thioredoxin reductases	Redox / Cell Signaling	Thurs, Nov 16	<b>007</b>	
<b>Guilherme Artioli</b> <i>University of Sao Paulo Brazil</i>	Aldehyde Dehydrogenase 2 Deficiency Impairs Mitochondrial Function During The Recovery From Acute Strength Exercise	Metabolism/Bioenergetics	Fri, Nov 17	<b>152</b>	
<b>Ohara Augusto</b> <i>Instituto de Química, Universidade de São Brazil</i>	Additional insights on the mechanism by which CO <sub>2</sub> /bicarbonate accelerates PTP1B oxidation mediated by hydrogen peroxide	Chemical Biology	Sat, Nov 18	<b>253</b>	
<b>Felipe Ávila</b> <i>Universidad de Talca Chile</i>	Effect of Thermal Treatment of Ribes magellanicum on the Extraction of Polyphenols, Advanced Glycation End Products Inhibition, Gastrointestinal Digestion and Cytoprotection of	Chemical Biology	Sat, Nov 18	<b>244</b>	
<b>Samrajni Banerjee</b> <i>University of Liverpool United Kingdom</i>	Role of reactive oxygen species in age-related disruption of mitochondrial networks in skeletal muscle and cartilage	Aging	Thurs, Nov 16	<b>103</b>	
<b>Mauricio Baptista</b> <i>Chemistry Institute Brazil</i>	The action spectra of visible light and the skin redoxome	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>324</b>	
<b>Mauricio Baptista</b> <i>Chemistry Institute Brazil</i>	The endogenous photosensitizers and the skin redoxome	Chemical Biology	Sat, Nov 18	<b>258</b>	
<b>Eugenio Barone</b> <i>Sapienza University of Rome Italy</i>	Sex-dependent and Brain-specific Alterations of Insulin Signaling Uncover Peculiar Mechanisms Leading to Cognitive Decline	Neurodegenerative Disease	Sat, Nov 18	<b>340</b>	
<b>FREDERIC BARRAS</b> <i>Institut Pasteur France</i>	Evidence for a link between Fe-S-dependent tRNA thiolation, sulfur metabolism and translation	Redox / Cell Signaling	Thurs, Nov 16	<b>008</b>	
<b>Luiz Bechara</b> <i>University of Sao Paulo Brazil</i>	Mitochondrial Formyl Peptide Attenuates Cardiac Damage Induced By Ischemia/Reperfusion Injury	Cardiovascular and Pulmonary	Fri, Nov 17	<b>170</b>	
<b>Hadar Ben-Yoav</b> <i>Ben-Gurion University of the Negev Israel</i>	Holistic in situ analysis of redox profiles in biofluids using intelligent multi-sensor arrays	Redox / Cell Signaling	Thurs, Nov 16	<b>009</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Gloria Benavides</b> <i>University of Alabama at Birmingham United States</i>	Mitochondrial Dysfunction in Alzheimer's Diseases.	Metabolism/Bioenergetics	Fri, Nov 17	<b>127</b>	
<b>Dayana Benchoam</b> <i>Universidad de la República Uruguay</i>	Persulfides in Low Molecular Weight Compounds and in Proteins	Chemical Biology	Sat, Nov 18	<b>245</b>	
<b>Marla Berry</b> <i>University of Hawaii at Manoa United States</i>	Spatial transcriptomic profiling and selenoprotein expression in mouse brain following glucocorticoid administration	Neurodegenerative Disease	Sat, Nov 18	<b>341</b>	
<b>Mariana Bonilla</b> <i>Institut Pasteur Montevideo Uruguay</i>	Development of a genetically-encoded biosensor to monitor an H2S-related metabolite	Chemical Biology	Sat, Nov 18	<b>246</b>	
<b>Marcelo Bonini</b> <i>Northwestern University United States</i>	Exposure to heavy metals induce nuclear ROS-dependent luminal to basal transition in breast cancer cells	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>322</b>	
<b>Marcelo Bonini</b> <i>Northwestern University United States</i>	H3.1Cys96 oxidation promotes H3 variant exchange, chromatin remodeling, and breast cancer cell phenotypic plasticity	Cancer	Fri, Nov 17	<b>211</b>	
<b>Vanessa Bortoluzzi</b> <i>Universidade Federal do Rio Grande do Brazil</i>	Experimental evidence that N-acetylglutamate and N-acetylmethionine compromises mitochondrial functions besides inhibiting citric acid cycle enzyme and respiratory chain activities in the heart of mice.	Metabolism/Bioenergetics	Fri, Nov 17	<b>128</b>	
<b>Steven Bottle</b> <i>Queensland University of Technology Australia</i>	Novel Steroidal- and Non-Steroidal-Antioxidant Hybrids with Potential Impact on Inflammation	Inflammation and Immunity	Thurs, Nov 16	<b>080</b>	
<b>ADDIUM Boutaina</b> <i>Health science school Morocco</i>	Cryoprotective Effect of Pyrano-[2,3-C]-Pyrazoles On SNP Induced Damage In Tetrahymena Thermophila	Chemical Biology	Sat, Nov 18	<b>247</b>	
<b>Stella Boutris Jayme</b> <i>University of São Paulo, Institute of Brazil</i>	Mechanistic Studies Involving Singlet Oxygen-Mediated Oxidation of Thiols and Disulfide Bonds	Chemical Biology	Sat, Nov 18	<b>248</b>	
<b>Dennis Braden</b> <i>University of Pittsburgh United States</i>	Chemoproteomics reveals RECQL4 inhibition as a mediator of nitroalkene-dependent DNA double strand break repair inhibition in cancer.	Cancer	Fri, Nov 17	<b>212</b>	
<b>Jared Brown</b> <i>University of Colorado Anschutz Medical United States</i>	A Case for Amorphous Silica Nanoparticle Exposure in the Development of Chronic Kidney Disease of Unknown Etiology	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>323</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Sharon campbell</b> <i>University of North Carolina</i> <i>United States</i>	Characterization of Kinetic and Redox Properties of Oncogenic KRASG12C Inhibitors	Cancer	Fri, Nov 17	<b>213</b>	
<b>Daniela Caporossi</b> <i>University of Rome Foro Italico</i> <i>Italy</i>	Impact of redox signalling on the biogenesis of extracellular vesicles (EVs) in skeletal muscle cells.	Redox / Cell Signaling	Thurs, Nov 16	<b>010</b>	
<b>Giuliana Cardozo</b> <i>Universidad de la República, Uruguay</i> <i>Uruguay</i>	Characterizing A Novel Fluorescent Biosensor Based On Human Peroxiredoxin 3 And A Redox Sensitive GFP	Chemical Biology	Sat, Nov 18	<b>250</b>	
<b>Eliana Jazmín Chacón Durán</b> <i>Facultad de Medicina, Universidad de la</i> <i>Uruguay</i>	Development of a Redox-Active Senotherapeutic that Targets the Senescent Associated Secretory Phenotype	Redox / Cell Signaling	Thurs, Nov 16	<b>012</b>	
<b>Luksana Chaiswing</b> <i>University of Kentucky</i> <i>United States</i>	Extraction of Redox Extracellular Vesicles using Exclusion-Based Samples Preparation	Cancer	Fri, Nov 17	<b>214</b>	
<b>Harinath Chakrapani</b> <i>Indian Institute of Science Education and</i> <i>India</i>	Precision Tools to Modulate Mitochondrial and Cytosolic Sulfane Sulfur	Chemical Biology	Sat, Nov 18	<b>251</b>	
<b>Belal Chami</b> <i>The University of Sydney</i> <i>Australia</i>	Can myeloperoxidase alone initial early stages of colitis?	Inflammation and Immunity	Thurs, Nov 16	<b>081</b>	
<b>Matthew Chapa</b> <i>West Virginia University</i> <i>United States</i>	Why do Cancer Cells Down-Regulate Xanthine Oxidoreductase (XOR)?	Cancer	Fri, Nov 17	<b>215</b>	
<b>Cecilia Chavarría</b> <i>Universidad de la República, Facultad de</i> <i>Uruguay</i>	The fluorescence quenching of Green Fluorescence Protein by long-distance effects of 3-nitrotyrosine residues	Chemical Biology	Sat, Nov 18	<b>252</b>	
<b>Cecilia Chavarría</b> <i>Universidad de la República, Facultad de</i> <i>Uruguay</i>	Urolithin A modulates microglia activation in a cellular model of neuroinflammation	Neurodegenerative Disease	Sat, Nov 18	<b>359</b>	
<b>Weiyu Chen</b> <i>The Heart Research Institute</i> <i>Australia</i>	Bilirubin Deficiency Destabilizes Atherosclerotic Plaque Associated With An Increase In Arterial Inflammation And Oxidative Stress	Cardiovascular and Pulmonary	Fri, Nov 17	<b>171</b>	
<b>Ying Chen</b> <i>Yale University</i> <i>United States</i>	Hepatic Epigenomic Changes Associated with Chronic Oxidative Stress in a Mouse Model of Glutathione Deficiency	Redox / Cell Signaling	Thurs, Nov 16	<b>013</b>	

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<b>Carmen Choya-Foces</b> <i>Instituto de Investigación Sanitaria Spain</i>	The effect of lithium on mitochondrial metabolism	Redox / Cell Signaling	Thurs, Nov 16	<b>014</b>	
<b>Ramona Clemen</b> <i>ZIK plasmatis, Leibniz Institute for Plasma Germany</i>	Oxidation Augments Immunogenicity of Tumor-Associated Antigens	Cancer	Fri, Nov 17	<b>216</b>	
<b>Daniel Colon Hidalgo</b> <i>University of Colorado United States</i>	Genetic variant of EC-SOD modifies pulmonary hypertension severity differently in chronic hypoxia vs. Sugen-hypoxia PH	Metabolism/Bioenergetics	Fri, Nov 17	<b>129</b>	
<b>Daniel Colon Hidalgo</b> <i>University of Colorado United States</i>	Overexpression of EC-SOD attenuates hypoxia-induced platelet activation.	Redox / Cell Signaling	Thurs, Nov 16	<b>015</b>	
<b>Yazmin Contreras</b> <i>Instituto Potosino de Investigación Mexico</i>	PKA pathway controls the oxidative stress response in the fungal pathogen <i>Candida glabrata</i>	Chemical Biology	Sat, Nov 18	<b>255</b>	
<b>Lucia Coppo</b> <i>Karolinska Institute Sweden</i>	Beware of the kat among the proteins	Chemical Biology	Sat, Nov 18	<b>256</b>	
<b>Paulo Costa</b> <i>Universidade de São Paulo Brazil</i>	NO-iron compounds release NO after exposure to UVA radiation: implications for cell survival in the in vitro skin models	Redox / Cell Signaling	Thurs, Nov 16	<b>016</b>	
<b>Eleonora Cremonini</b> <i>University of California Davis United States</i>	Effects Of Anthocyanin On Fatty Acid-Associated Alterations In Mitochondrial Dynamics, Biogenesis And Thermogenesis In White Adipose Tissue From Obese Mice And In 3T3-L1	Redox / Cell Signaling	Thurs, Nov 16	<b>018</b>	
<b>Eleonora Cremonini</b> <i>University of California Davis United States</i>	Epicatechin Prevents High-Fat Diet-Induced Endoplasmic Reticulum And Oxidative Stress And Consequent Apoptosis In Pancreatic $\beta$ -cells: Evidence In Vivo And In Vitro	Redox / Cell Signaling	Thurs, Nov 16	<b>017</b>	
<b>Priscilla Cristine de Oliveira Mineiro</b> <i>Universidade Federal do Rio de Janeiro Brazil</i>	ASK1 inhibition reduced elastase-induced pulmonary emphysema in mice	Cardiovascular and Pulmonary	Fri, Nov 17	<b>172</b>	
<b>Nadia Cruz</b> <i>Universidad de Talca Chile</i>	Effect of Thermal Processing and Oxygen concentration on the Phenolic Composition and Inhibition of Advanced Glycation End Products of Chilean Beans ( <i>Phaseolus vulgaris</i> ) Extracts	Chemical Biology	Sat, Nov 18	<b>257</b>	
<b>Lítiele Cruz</b> <i>University of São Paulo Brazil</i>	Identification of brominated extracellular matrix proteins in idiopathic pulmonary fibrosis tissues	Cardiovascular and Pulmonary	Fri, Nov 17	<b>173</b>	



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<b>Julian David Cualcialpud Serna</b> Universidade de São Paulo Brazil	Mitochondrial Ca <sup>2+</sup> and functional adaptations to nutritional signals: insights from caloric restriction	Metabolism/Bioenergetics	Fri, Nov 17	<b>130</b>	
<b>Mauricio Da Baptista</b> Universidade de Sao Paulo Brazil	Skin redoxome and the photochemical membrane leakage	Redox / Cell Signaling	Thurs, Nov 16	<b>019</b>	
<b>Andreas Daiber</b> University Medical Center Mainz Germany	Nitric oxide, superoxide and peroxynitrite – shaping the cardiovascular environment by nitro-oxidative stress and S-nitros(yl)ation	Redox / Cell Signaling	Thurs, Nov 16	<b>020</b>	
<b>Andreas Daiber</b> University Medical Center Mainz Germany	The contribution of environmental exposures to the burden of disease – what can redox biology contribute to exposome studies?	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>325</b>	
<b>Kristine Danielyan</b> National Academy of Science of Republic Armenia	Tannin- albumin particles as the stable carriers of the medicines	Cardiovascular and Pulmonary	Fri, Nov 17	<b>174</b>	
<b>Veronica Dannunzio</b> Universidad de Buenos Aires Argentina	Combination of ischemic postconditioning and thioredoxin-1 over-expression was not successful to restore cardioprotection in middle age mice	Cardiovascular and Pulmonary	Fri, Nov 17	<b>175</b>	
<b>Aya Darawsha</b> Ben-gurion University Israel	Mechanisms involved in the protective effect of carotenoids, polyphenols and estradiol in human skin cells under mitochondrial oxidative stress	Aging	Thurs, Nov 16	<b>104</b>	
<b>Michael Davies</b> University of Copenhagen Denmark	Identification and quantification of protein nitration sites in human coronary artery smooth muscle cells in the absence and presence of peroxynitrous acid/peroxynitrite	Cardiovascular and Pulmonary	Fri, Nov 17	<b>177</b>	
<b>Michael Davies</b> University of Copenhagen Denmark	Modulation of chlorination and nitration by myeloperoxidase in cardiovascular disease	Cardiovascular and Pulmonary	Fri, Nov 17	<b>176</b>	
<b>Michael Davies</b> University of Copenhagen Denmark	Proteomic analysis of extracellular matrix of human atherosclerotic plaques shows marked changes between plaque types	Cardiovascular and Pulmonary	Fri, Nov 17	<b>178</b>	
<b>Júlia Maria de Almeida Silvino</b> University of São Paulo Brazil	Exploring ALS-Linked P56S Mutation Effects on Disulfide Bond Formation in VAPB using Saccharomyces cerevisiae as a Model	Neurodegenerative Disease	Sat, Nov 18	<b>343</b>	
<b>Adely De la Pena</b> Universidad San Sebastián Chile	Galectin-8-Mediated Mitochondrial Dynamics: Implications for Cellular Homeostasis	Chemical Biology	Sat, Nov 18	<b>259</b>	





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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Victor Debbas</b> Heart Institute/ FMUSP Brazil	Thiol sulfenylation plays a role on actin cytoskeleton reorganization during vascular contraction	Cardiovascular and Pulmonary	Fri, Nov 17	<b>179</b>	
<b>Evan DeVallance</b> West Virginia University United States	Hemin and Free Iron Trigger Transcriptional Upregulation and Lysosomal-Dependent Export of Xanthine Oxidoreductase from Hepatocytes	Cardiovascular and Pulmonary	Fri, Nov 17	<b>180</b>	
<b>Evan DeVallance</b> West Virginia University United States	Ultrafine Particle-Induced Oxidation of Estrogen Receptor Alpha Prevents its Interaction with the Methyltransferase G9a and Dysregulation of the Iron Regulator Hcpidin	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>326</b>	
<b>Roberto Di Maio</b> University of Pittsburgh United States	Redox modifications of Cys30 and Cys289 prevent CaMKII $\beta$ /Calmodulin interaction: relevance in Parkinson's disease.	Neurodegenerative Disease	Sat, Nov 18	<b>344</b>	
<b>Anika Diederich</b> Saarland University Germany	Development and characterization of novel genetically encoded NADP probes	Redox / Cell Signaling	Thurs, Nov 16	<b>022</b>	
<b>Larissa Diniz</b> University of São Paulo Brazil	Docosahexaenoic Acid Induces Lipid Remodeling on LPS-Treated Microglia	Neurodegenerative Disease	Sat, Nov 18	<b>345</b>	
<b>Laura Doblado Bueno</b> Instituto de Investigaciones Biomédicas Spain	ROS induced mitochondrial hormesis partially protects from SGAs mitochondrial toxicity and cardiovascular disease	Metabolism/Bioenergetics	Fri, Nov 17	<b>131</b>	
<b>Adriana dos Santos Lopes</b> University of São Paulo Brazil	Seasonality Influence on the Antioxidant System of <i>Isotachis aubertii</i> (Schwägr.) Mitt. (Balantiopsidaceae)	Chemical Biology	Sat, Nov 18	<b>261</b>	
<b>Samuel dos Santos Valenca</b> Universidade Federal do Rio de Janeiro Brazil	ASK1 Regulates Bleomycin-induced Pulmonary Fibrosis	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>327</b>	
<b>Eftekhar Eftekharpour</b> University of Manitoba Canada	Novel Interaction of Neuronal Thioredoxin-1 with cytoskeletal machinery during neuronal autophagy	Neurodegenerative Disease	Sat, Nov 18	<b>346</b>	
<b>Ese Ekhtator</b> North Carolina A&T State University United States	Effects of Redox Modification on Protein Kinase A (PKA) Substrate Interactions	Redox / Cell Signaling	Thurs, Nov 16	<b>023</b>	
<b>Ufuk Ersoy</b> University of Liverpool United Kingdom	Prolonged dietary protein restriction accelerates skeletal muscle loss and reduces muscle fibre size by impairing proteostasis and mitochondrial homeostasis	Metabolism/Bioenergetics	Fri, Nov 17	<b>132</b>	

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<b>Javier Estrada</b> SUNY Albany United States	Enhanced Quantification of Cellular Senescence through Co-Staining of SA-β-gal, LysoTracker, and DAPI: A Novel Imaging Approach in Aging Research	Aging	Thurs, Nov 16	<b>105</b>	
<b>Damián Estrada</b> Universidad de la República Uruguay	Mitochondrial O <sub>2</sub> <sup>•-</sup> -induced phosphatidylserine externalization in T. cruzi modulates the immune response in the acute phase of Chagas disease.	Inflammation and Immunity	Thurs, Nov 16	<b>083</b>	
<b>Pablo Andres Evelson</b> Universidad de Buenos Aires Argentina	The lens as a target of oxidative damage in glaucoma	Metabolism/Bioenergetics	Fri, Nov 17	<b>133</b>	
<b>Amanda Farhat</b> University of Sao Paulo Brazil	Generation And Detection Of Singlet Oxygen (1O <sub>2</sub> ) By Upconversion Nanoparticles (UCNP)	Chemical Biology	Sat, Nov 18	<b>262</b>	
<b>Melissa Fath</b> University of Iowa United States	Targeting CXCR4 and Thioredoxin Reductase in High Grade Neuroendocrine Tumors & Neuroendocrine Carcinomas	Cancer	Fri, Nov 17	<b>217</b>	
<b>Heryerli Fernandez</b> UNLP-INIFTA Argentina	Antioxidant Properties of Vainillin during Photosensitized Oxidation of Biomolecules	Chemical Biology	Sat, Nov 18	<b>263</b>	
<b>Nazarena Fernandez</b> Universidad de Buenos Aires Argentina	Mitochondrial Localization of AQP9 in Preeclamptic Placentas	Chemical Biology	Sat, Nov 18	<b>264</b>	
<b>Mariana Fernandez Caggiano</b> Queen Mary University of London United Kingdom	UK-5099 does not inhibit the mitochondrial pyruvate carrier through irreversible adduction to cysteine 54 in MPC2	Metabolism/Bioenergetics	Fri, Nov 17	<b>134</b>	
<b>Lucas Ferres</b> Universidade Federal de Sao Paulo Brazil	The Influence Of Trimethylamine N-Oxide On Depression In A Chronic Stress Model	Neurodegenerative Disease	Sat, Nov 18	<b>351</b>	
<b>Alexsandro Tavares Figueiredo-Junior</b> Federal University of Rio de Janeiro Brazil	Potassium bixinate as a novel Nrf2/ARE activator drug candidate: ROS scavenger and anti-inflammatory properties	Redox / Cell Signaling	Thurs, Nov 16	<b>025</b>	
<b>Milos Filipovic</b> Leibniz Institute for Analytical Sciences, Germany	Global persulfidome changes in aging C. elegans	Aging	Thurs, Nov 16	<b>106</b>	
<b>Emerson Finco Marques</b> University of Sao Paulo Brazil	Reactive Oxygen Species (ROS) Involvement in the Oxidation and Aggregation of Proteins in the eyes	Chemical Biology	Sat, Nov 18	<b>265</b>	



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<b>Ann Barry Flood</b> Dartmouth College United States	Physical Biodosimetry for Triage in Large-scale Radiation Events	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>328</b>	
<b>Agustina Freire</b> Universidad de Buenos Aires Argentina	Airborne particulate matter for Buenos Aires city causes functional alterations, neuroinflammation and redox imbalance in mice olfactory bulb.	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>329</b>	
<b>Eduardo Fuentes</b> Universidad de Talca Chile	Analysis of the inhibitory activity using computer-engineered peptides upon the enzyme protein disulfide isomerase (PDI): A Molecular Docking Study with Bean Peptides	Chemical Biology	Sat, Nov 18	<b>299</b>	
<b>Eduardo Fuentes</b> Universidad de Talca Chile	Effect of Alkyl Chain Length on the Antiplatelet Activity of Gentisic Acid Esters Conjugated with Triphenylphosphonium.	Chemical Biology	Sat, Nov 18	<b>311</b>	
<b>Eduardo Fuentes</b> Universidad de Talca Chile	Evaluation of the Antiplatelet Activity of Tricyclic Acyl Hydroquinone Derivatives	Chemical Biology	Sat, Nov 18	<b>290</b>	
<b>Eduardo Fuentes</b> Universidad de Talca Chile	High Percentage of Sarcopenia in Frail Elderly People	Aging	Thurs, Nov 16	<b>115</b>	
<b>Eduardo Fuentes</b> Universidad de Talca Chile	In vitro antiplatelet activity and characterization of Hallado Aleman bean	Cardiovascular and Pulmonary	Fri, Nov 17	<b>193</b>	
<b>Eduardo Fuentes</b> Universidad de Talca Chile	Role of Oxylipins as a Plasma Biomarker of Frail Older People in Women	Aging	Thurs, Nov 16	<b>121</b>	
<b>Eduardo Fuentes</b> Universidad de Talca Chile	The Treatment with Chemotherapeutics in Triple-Negative Breast Cancer Cell Lines Increases the Interaction Between Platelets and Tumor Cells, Inducing Platelet Activation	Cardiovascular and Pulmonary	Fri, Nov 17	<b>192</b>	
<b>Koji Fukui</b> Shibaura Institute of Technology Japan	Changes in cognitive function and mitochondrial oxidation markers in AD-transgenic mice with aging	Neurodegenerative Disease	Sat, Nov 18	<b>347</b>	
<b>Monica Galleano</b> University of Buenos Aires Argentina	Epicatechin reduces phenotypic changes, inflammation, and oxidative stress in perivascular adipose tissue of high fructose fed rats	Metabolism/Bioenergetics	Fri, Nov 17	<b>135</b>	
<b>James Galligan</b> University of Arizona United States	Lactoylglutathione mediates protein lactoylation and inflammatory signaling.	Inflammation and Immunity	Thurs, Nov 16	<b>084</b>	

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<b>María del Carmen García-Rodríguez</b> <i>Universidad Nacional Autónoma de México</i>	Green Tea Polyphenols Protect against Genotoxic Damage and Modulate Endogenous Antioxidant Defenses in Hsd:ICR Mice Exposed to Hexavalent Chromium	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>330</b>	
<b>Santiago Garcimartín</b> <i>Universidad de la Republica - Uruguay</i> <i>Uruguay</i>	Nerve growth factor (NGF) nitration and changes in receptors expression following $\beta$ -amyloid administration as a murine model of Alzheimer's Disease	Neurodegenerative Disease	Sat, Nov 18	<b>348</b>	
<b>Renato Gaspar</b> <i>University of São Paulo</i> <i>Brazil</i>	Protein disulphide isomerase A1 (PDI) supports platelet-endothelium interaction in hyperglycaemia: impacts on endothelial membrane biophysics and secretion of adhesion-	Cardiovascular and Pulmonary	Fri, Nov 17	<b>182</b>	
<b>Stacy Gelhaus</b> <i>University of Pittsburgh</i> <i>United States</i>	Nitro-fatty acids: a pleiotropic therapy for asthma	Cardiovascular and Pulmonary	Fri, Nov 17	<b>183</b>	
<b>Radosveta Gencheva</b> <i>Karolinska Institutet</i> <i>Sweden</i>	The anticancer compounds auranofin, TRI-1 and TRI-2 have distinct cytotoxicity profiles with regards to thioredoxin reductase inhibition	Cancer	Fri, Nov 17	<b>218</b>	
<b>Viviana Greco</b> <i>Catholic University of the Sacred Heart</i> <i>Italy</i>	Hydrogen sulfide as additional player in the redox dysregulation of Amyotrophic Lateral Sclerosis (ALS)	Neurodegenerative Disease	Sat, Nov 18	<b>349</b>	
<b>Florian Gruber</b> <i>Medical University of Vienna</i> <i>Austria</i>	Imaging the skin epilipidome and the activity of metabolic key enzymes in the senescence process at single cell level	Aging	Thurs, Nov 16	<b>107</b>	
<b>Ming Guo</b> <i>UCLA</i> <i>United States</i>	CLUH is a key molecule that controls Drp1-mediated mitochondrial fission and mitophagy	Neurodegenerative Disease	Sat, Nov 18	<b>350</b>	
<b>Ma. Guadalupe Gutiérrez Escobedo</b> <i>Instituto Potosino de Investigación</i> <i>México</i>	Redox pathways in <i>Candida glabrata</i>	Chemical Biology	Sat, Nov 18	<b>267</b>	
<b>Marcela Haberkorn</b> <i>Facultad de Medicina, Universidad de la</i> <i>Uruguay</i>	Oxidative Inactivation of Human Glutamine Synthetase: Defining the Role of Tyrosine Nitration	Chemical Biology	Sat, Nov 18	<b>268</b>	
<b>Robert Heaton</b> <i>the University of Liverpool</i> <i>United Kingdom</i>	Regulation of Peroxiredoxin Oxidation for the Maintenance of Muscle Mass and Function in Ageing	Aging	Thurs, Nov 16	<b>108</b>	
<b>Romina Higa</b> <i>Universidad de Buenos Aires</i> <i>Argentina</i>	Advanced maternal age increases oxidative status of the decidua during early pregnancy in rats	Aging	Thurs, Nov 16	<b>109</b>	

NOVEMBER 15-18

SFRR INTERNATIONAL 21ST BIENNIAL MEETING

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Madeline Hines</b> <i>The University of Iowa United States</i>	Lipid Peroxidation is a Critical Feedback Regulator of Mitochondria in Articular Chondrocytes	Redox / Cell Signaling	Thurs, Nov 16	<b>028</b>	
<b>Lisa Hong</b> <i>University of Pittsburgh United States</i>	Targeting p62 cysteine oxidation in autophagy by nitro-fatty acids	Cancer	Fri, Nov 17	<b>221</b>	
<b>Lisa Hong</b> <i>University of Pittsburgh United States</i>	Utilizing Nitrated Fatty Acids to Overcome PARPi resistance in TNBC	Cancer	Fri, Nov 17	<b>220</b>	
<b>Riley Hughes</b> <i>Weill Cornell Medicine United States</i>	tRNA thio-Uridine Modifications in Stress Resistance and Metastasis	Cancer	Fri, Nov 17	<b>222</b>	
<b>Martín Hugo</b> <i>Health and Medical University, 14471 Germany</i>	Persulfidation Rescues Proteasome Activity Loss Caused By Oxidative Stress	Aging	Thurs, Nov 16	<b>110</b>	
<b>Thais Satie Iijima</b> <i>Chemistry Institute, Universidade de São Brazil</i>	Search for Novel Human 15-Lipoxygenase-2 (h15-LOX-2) Inhibitors	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>331</b>	
<b>Alex Inague</b> <i>University of Sao Paulo Brazil</i>	A Non-canonical Activity of Peroxiredoxin 6 Protects Cells from Lipid Peroxidation and Ferroptosis	Chemical Biology	Sat, Nov 18	<b>269</b>	
<b>Melina Ioannidis</b> <i>University of Groningen Netherlands</i>	Deciphering the immunomodulatory effects of 4-hydroxynonenal in human macrophages	Inflammation and Immunity	Thurs, Nov 16	<b>085</b>	
<b>Hironmu Ito</b> <i>National Institutes for Quantum Science Japan</i>	Analysis of a planar catechin analog on cancer cellular inhibition	Chemical Biology	Sat, Nov 18	<b>270</b>	
<b>Rodrigo Ivagnes</b> <i>Universidad de la República, Facultad de Uruguay</i>	Alpha-Synuclein Oxidative Modifications And Their Role On Fibril And Oligomer Aggregation	Neurodegenerative Disease	Sat, Nov 18	<b>352</b>	
<b>Martin Jaburek</b> <i>Institute of Physiology, Czech Academy of Czech Republic</i>	Amplex Red-based H2O2 Assay Detects Mitochondrial Redox Signals During Insulin Secretion	Redox / Cell Signaling	Thurs, Nov 16	<b>029</b>	
<b>Yvonne Janssen-Heininger</b> <i>University of Vermont United States</i>	Redox control of System XC- by glutaredoxin via deglutathionylation of ovarian tumor deubiquitinase 1	Metabolism/Bioenergetics	Fri, Nov 17	<b>139</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Petr Jezek</b> <i>Institute of Physiology of the Czech Czech Republic</i>	Mitochondrial redox signals are essential for insulin secretion	Redox / Cell Signaling	Thurs, Nov 16	<b>030</b>	
<b>Eliécer Jiménez-Charris</b> <i>Universidad del Valle Colombia</i>	Pilans-II: A promising prototype for targeted therapy in cervical cancer	Cancer	Fri, Nov 17	<b>223</b>	
<b>Aaron Johnson</b> <i>University of Pittsburgh United States</i>	Myoglobin Decreases Breast Cancer Cell Mitochondrial Metabolism and Migration through Oxidant Production	Cancer	Fri, Nov 17	<b>224</b>	
<b>Samantha Jones</b> <i>University of Liverpool United Kingdom</i>	MicroAge Mission: Examining the Effects of Microgravity and Electrical Stimulation on the Proteome of Human Tissue-Engineered Muscle Constructs	Aging	Thurs, Nov 16	<b>111</b>	
<b>Dean Jones</b> <i>Emory University United States</i>	Vanadium-dependent protein S-glutathionylation in lung fibrosis	Cardiovascular and Pulmonary	Fri, Nov 17	<b>185</b>	
<b>Maria Juliana Juncos</b> <i>Fundación Instituto Leloir Argentina</i>	YgaV-mediated sulfane sulfur homeostasis in Escherichia coli	Chemical Biology	Sat, Nov 18	<b>272</b>	
<b>Cristian Justet</b> <i>Facultad de Medicina, Universidad de la Uruguay</i>	NOX1 modulates proliferation, while eNOS regulates migration in the wound healing of corneal endothelial cells in culture	Redox / Cell Signaling	Thurs, Nov 16	<b>031</b>	
<b>Daniela Kajihara</b> <i>Heart Institute InCor - HCFMUSP Brazil</i>	Structural and functional characterization of the alternative splicing isoform P4HB-021 of the human protein disulfide isomerase-A1 (P4HB) gene.	Redox / Cell Signaling	Thurs, Nov 16	<b>032</b>	
<b>Yuki Kanome</b> <i>Shibaura institute of technology Japan</i>	Development of a detection method for urinary trace components as a new renal function evaluation	Inflammation and Immunity	Thurs, Nov 16	<b>086</b>	
<b>Kazuhiro Kato</b> <i>Hokkaido University Japan</i>	Redox imaging of tumors with a novel compact and portable EPRI device and its potential for multimodal imaging	Cancer	Fri, Nov 17	<b>225</b>	
<b>Oleh Khalimonchuk</b> <i>University of Nebraska-Lincoln United States</i>	Loss of Tumor Suppressor LACTB Alters Mitochondrial Metabolism and Impacts Intermembrane Contacts	Metabolism/Bioenergetics	Fri, Nov 17	<b>141</b>	
<b>Oleh Khalimonchuk</b> <i>University of Nebraska-Lincoln United States</i>	Targeting Mitochondrial CLPX Protease in Breast Cancer with Engineered Cyclic Acyldepsipeptide Antibiotics	Cancer	Fri, Nov 17	<b>226</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Rachel King</b> West Virginia University United States	Hyperuricemia and Allied Comorbidity is More Prevalent in Men: Does the Prostate Drive this Sex Disparity?	Metabolism/Bioenergetics	Fri, Nov 17	<b>142</b>	
<b>Mina Königsberg</b> Universidad Autónoma Metropolitana. Mexico	Correlation of serum markers of inflammation, oxidative stress, and brain alterations with cognitive impairment in elderly women with obesity.	Aging	Thurs, Nov 16	<b>112</b>	
<b>Demetrios Kouretas</b> University of Thessaly Greece	Emerging Concepts And Challenges In Nanotoxicology: The Role Of Oxidative Stress In Nanomaterial-Induced Toxicity	Chemical Biology	Sat, Nov 18	<b>273</b>	
<b>Bárbara Krum</b> University of São Paulo Brazil	Role of Aldehyde Dehydrogenase 2 in Amyotrophic Lateral Sclerosis	Neurodegenerative Disease	Sat, Nov 18	<b>353</b>	
<b>Felix Lamontagne</b> CRCHUM - Université de Montréal Canada	DUOX2 suppresses programmed cell death in airway epithelial cells infected by respiratory syncytial virus	Inflammation and Immunity	Thurs, Nov 16	<b>087</b>	
<b>Lukas Lang</b> RPTU Kaiserslautern-Landau Germany	Kinetic and thermodynamic characterization of the roGFP2-Grx redox sensor at molecular level	Chemical Biology	Sat, Nov 18	<b>274</b>	
<b>Joao Laranjinha</b> University of Coimbra Portugal	Cognitive enhancement via neuronal nitric oxide redox-mediated neurovascular coupling in the brain	Neurodegenerative Disease	Sat, Nov 18	<b>354</b>	
<b>RENATO LECA</b> Universidade Federal de Sao Paulo Brazil	Assessment of Vitamin D3 Levels in Tear, Saliva and Plasma	Chemical Biology	Sat, Nov 18	<b>275</b>	
<b>Elizabeth Ledgerwood</b> University of Otago New Zealand	Peroxiredoxins as markers of redox homeostasis in studies of human ageing	Aging	Thurs, Nov 16	<b>113</b>	
<b>Janina Lenzi Camisa</b> Universidad de la República Uruguay	Reaction of omeprazole with H2S	Chemical Biology	Sat, Nov 18	<b>276</b>	
<b>Kia Liermann-Wooldrik</b> University of Nebraska Medical Center United States	Irradiated Adipocytes Secrete Factors Inducing a Migratory Phenotype in Prostate Cancer Cells	Cancer	Fri, Nov 17	<b>227</b>	
<b>José Lillo-Moya</b> University of Chile Chile	Combined antioxidant therapy against reperfusion injury in acute myocardial infarction: preclinical drug development and phase I clinical trial in humans	Cardiovascular and Pulmonary	Fri, Nov 17	<b>181</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>José Lillo-Moya</b> University of Chile Chile	Effect of ageing on oxidative stress and inflammatory response by on-pump cardiac surgery in patients treated with antioxidants: a randomized controlled trial	Cardiovascular and Pulmonary	Fri, Nov 17	<b>186</b>	
<b>José Lillo-Moya</b> University of Chile Chile	Proposal of a new fluorimetric assay to measure the antioxidant drug vitamin C in human plasma	Chemical Biology	Sat, Nov 18	<b>277</b>	
<b>Mosi Lin</b> St. John's University United States	Friend or Foe – The Potential Mechanisms of Nicotine's Protective Role in COVID-19	Cardiovascular and Pulmonary	Fri, Nov 17	<b>187</b>	
<b>Edlaine Linares</b> Universidade de São Paulo Brazil	Production of peroxydicarbonate evidenced by boronate probes under steady-state micromolar H <sub>2</sub> O <sub>2</sub> and in PMA-activated macrophages	Chemical Biology	Sat, Nov 18	<b>278</b>	
<b>André Luiz Lopes</b> Universidade de São Paulo Brazil	Photosensitization of 6-Thioguanine Incorporated into DNA Induces Cellular Proteome Remodeling in Immortalized Keratinocytes	Redox / Cell Signaling	Thurs, Nov 16	<b>034</b>	
<b>Leticia Lopes Dantas Santos</b> Federal University of Uberlândia Brazil	Revolutionizing Breast Cancer Patient Management: Analysis of R-SH Quantification Unveils Redox Imbalance Signatures in Advanced Metastatic Breast Cancer	Cancer	Fri, Nov 17	<b>228</b>	
<b>Camilo Lopez</b> Pontificia Universidad Católica de Chile Chile	Production of carbonyl groups in the plasma of neonates is inversely associated with gestational age and O <sub>2</sub> requirement	Cardiovascular and Pulmonary	Fri, Nov 17	<b>188</b>	
<b>Camilo Lopez</b> Pontificia Universidad Católica de Chile Chile	The competitive oxidation of key enzymes of the pentose phosphate pathway by peroxy radicals modulates NADPH production	Chemical Biology	Sat, Nov 18	<b>280</b>	
<b>Ana Clara López</b> Facultad de Ciencias, Universidad de la Uruguay	Oxidative Stress on the Membrane of Red Blood Cells Stored for Transfusion	Chemical Biology	Sat, Nov 18	<b>279</b>	
<b>Melina López Sciarra</b> Goethe-University Germany	Endothelial Cytochrome P450 Reductase-Derived Cholesterol Limits Angiogenesis	Cardiovascular and Pulmonary	Fri, Nov 17	<b>189</b>	
<b>Ruben Lopez Vales</b> Universitat Autònoma de Barcelona Spain	Assessment of the therapeutic potential of MaR1 for the treatment of acute Spinal Cord Injury and characterization of its receptors in the lesioned spinal cord	Neurodegenerative Disease	Sat, Nov 18	<b>355</b>	
<b>Norma Lopez-Diazguerrero</b> Universidad Autónoma Metropolitana Mexico	GSH/GSSG ratio after senomorphic or senolytic treatments during Obesity in Middle-Aged Female Wistar Rats	Aging	Thurs, Nov 16	<b>114</b>	



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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Carolina Lorente</b> <i>Universidad Nacional de La Plata (UNLP)- Argentina</i>	Avoiding one-electron oxidation of tyrosine by DOPA	Chemical Biology	Sat, Nov 18	<b>281</b>	
<b>Yongke Lu</b> <i>Marshall University United States</i>	PPAR $\alpha$ mediates spontaneous upregulation of ACOX1 but not catalase in liver PEX16 absent mice that lack intact peroxisome structure.	Redox / Cell Signaling	Thurs, Nov 16	<b>035</b>	
<b>Agustin Lucini Mas</b> <i>Instituto de Bioquímica y Medicina Argentina</i>	Effect of Food Processing and Gastrointestinal Digestion on the Antioxidant Potential of a Chia Flour: a Cellular Model Study	Chemical Biology	Sat, Nov 18	<b>282</b>	
<b>Natalia Magnani</b> <i>Universidad de Buenos Aires Argentina</i>	Exploring mitochondrial pathways in endotoxemia: bioenergetics and ROS production analysis in H9c2 cardiomyocytes.	Metabolism/Bioenergetics	Fri, Nov 17	<b>143</b>	
<b>Natalia Magnani</b> <i>Universidad de Buenos Aires Argentina</i>	Protective role of Ibuprofen-Curcumin co-load nanomicelles against oxidative stress and inflammasome activation mediated by indoor pollution exposure in A549 cells	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>332</b>	
<b>Santiago Mansilla</b> <i>Universidad de la República Uruguay</i>	Mitochondrial ROS Are Produced In Human Sperm During Capacitation	Metabolism/Bioenergetics	Fri, Nov 17	<b>145</b>	
<b>Santiago Mansilla</b> <i>Universidad de la República Uruguay</i>	Structural Studies On The Redox-Sensitive Mitochondrial Aconitase And Its interaction With Frataxin	Chemical Biology	Sat, Nov 18	<b>283</b>	
<b>Marjorie Marin</b> <i>University of Massachusetts Amherst United States</i>	Investigating the Role of Perfluorooctanesulfonic Acid (PFOS) Exposure on Insulin Biosynthesis in Pancreatic $\beta$ TC-6 Cells.	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>333</b>	
<b>Inés Marmisolle</b> <i>Universidad de la República Uruguay</i>	Mitochondrial Metabolic Heterogeneity in Senescent Cells Induced by Different Stimuli is Associated with the Acquisition of a Persistent DNA Damage Response and Secretory	Metabolism/Bioenergetics	Fri, Nov 17	<b>146</b>	
<b>Jennyfer Martínez</b> <i>Universidad de la República Uruguay</i>	P53 regulates mitochondrial function and biogenesis in therapy induced senescence: a role for 4-aminobutyrate aminotransferase (ABAT)	Metabolism/Bioenergetics	Fri, Nov 17	<b>147</b>	
<b>Antonio Martínez-Ruiz</b> <i>Instituto de Investigación Sanitaria Spain</i>	New roles of mitochondrial Na <sup>+</sup> import by the Na <sup>+</sup> /Ca <sup>2+</sup> exchanger NCLX: activation of the HIF pathway and of the NLRP3 inflammasome	Inflammation and Immunity	Thurs, Nov 16	<b>089</b>	
<b>Ricardo Massucatto</b> <i>University of Sao Paulo Brazil</i>	Effects of static magnetic field on vascular function and structure and their potential implications with redox regulation of actin cytoskeleton	Cardiovascular and Pulmonary	Fri, Nov 17	<b>190</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Mauricio Mastrogiovanni</b> <i>Universidad de la República Uruguay</i>	Oxidized linoleic acid metabolites are reduced in Amyotrophic Lateral Sclerosis	Neurodegenerative Disease	Sat, Nov 18	<b>356</b>	
<b>Hirofumi Matsui</b> <i>university of TSUKUBA Japan</i>	A novel cancer therapy using proton beam: an integrated proton-dynamic therapy, iPDT	Cancer	Fri, Nov 17	<b>229</b>	
<b>Ken-ichiro Matsumoto</b> <i>National Institutes for Quantum Science Japan</i>	An Approach for Estimating Oxygen Consumption in Tissues Based on TOLD MRI Signal	Chemical Biology	Sat, Nov 18	<b>285</b>	
<b>Nathalia Medeiros</b> <i>Universidade de São Paulo Brazil</i>	Evaluation of NO Release Capability from Dinitrosyl Iron Complexes (DNIC) Containing Biomolecules as Ligands in Aqueous Media	Chemical Biology	Sat, Nov 18	<b>287</b>	
<b>Romina Medeiros Figueredo</b> <i>Facultad de Química, Universidad de la Uruguay</i>	Molecular dynamics simulation study of the impact of 3-nitrotyrosine residues within the intermolecular interaction pockets of human fibrinogen.	Cardiovascular and Pulmonary	Fri, Nov 17	<b>191</b>	
<b>Danilo Medinas</b> <i>Institute of Chemistry of University of Sao Brazil</i>	Generation of Genetically Modified Mouse Models to Study Protein Disulfide Isomerase A3 Involvement in Neurological Disorders	Neurodegenerative Disease	Sat, Nov 18	<b>357</b>	
<b>Iria Medraño-Fernandez</b> <i>University Carlos III of Madrid Spain</i>	On the cartography of redox signaling: peroxiporins as landmark doorways	Redox / Cell Signaling	Thurs, Nov 16	<b>037</b>	
<b>Elena Menshchikova</b> <i>Federal Research Center for Fundamental Russian Federation</i>	Alteration of neuronal-like and glial cell functional activity via Keap1/Nrf2/ARE signaling pathway	Neurodegenerative Disease	Sat, Nov 18	<b>358</b>	
<b>Flavia Meotti</b> <i>University of Sao Paulo Brazil</i>	Peroxiredoxin 2 interacts with granule stress proteins in proliferative leukemic myeloid cells	Redox / Cell Signaling	Thurs, Nov 16	<b>038</b>	
<b>Caitlin Miller</b> <i>The University of Kentucky United States</i>	Acquisition of radiation derived EVs containing mitochondria leads to therapy resistance in prostate cancer	Cancer	Fri, Nov 17	<b>230</b>	
<b>Ginger Milne</b> <i>Vanderbilt University Medical Center United States</i>	Identification and Characterization of Novel F2-Isoprostane Metabolites	Metabolism/Bioenergetics	Fri, Nov 17	<b>148</b>	
<b>Tanecia Mitchell</b> <i>University of Alabama at Birmingham United States</i>	Interleukin-10 Supplementation Protects Against Oxalate-Induced Injury in Human Macrophages and a Mouse Kidney Stone Model	Inflammation and Immunity	Thurs, Nov 16	<b>090</b>	

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<b>Mariam Mohammad Hashim</b> <i>Lahore Medical Research Center LLP Pakistan</i>	Evaluation of the Effect of Vitamin C on the Growth Dynamic of H2O2 Treated HepG2 Cells	Cancer	Fri, Nov 17	<b>231</b>	
<b>Bhagavatula Moorthy</b> <i>Baylor College of Medicine United States</i>	Prenatal Exposure to Polycyclic Aromatic Hydrocarbons (PAHs) Augments Neonatal Hyperoxic Lung Injury: Role of Cytochrome P450 (CYP)1A1, 1A2, and 1B1	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>334</b>	
<b>Marcela Morales Saavedra</b> <i>Pontificia Universidad Católica de Chile Chile</i>	Obtaining of enriched di-tryptophan fractions by gamma irradiation of free tryptophan solutions	Chemical Biology	Sat, Nov 18	<b>289</b>	
<b>Allison Moreno Samayoa</b> <i>University of Arizona United States</i>	Hydrogen Sulfide: Beneficial or Detrimental for Cancer Cells?	Cancer	Fri, Nov 17	<b>232</b>	
<b>Ligia Moriguchi Watanabe</b> <i>University of São Paulo Brazil</i>	Genome-wide case-control association study identifies a locus connecting NRF2-ARE regulation and selenium deficiency	Redox / Cell Signaling	Thurs, Nov 16	<b>039</b>	
<b>Katherine Morton</b> <i>Duke University United States</i>	Investigating the role of the glyoxylate shunt in protection from Complex I inhibitor induced dopaminergic neurodegeneration in C. elegans	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>335</b>	
<b>Margaret Mouro</b> <i>Universidade Federal de Sao Paulo Brazil</i>	Evaluation of inflammatory biomarkers and oxidative / nitrosative stress in adult or elderly diabetic patients supplemented with açai juice.	Aging	Thurs, Nov 16	<b>122</b>	
<b>Molly Myers</b> <i>University of Nebraska Medical Center United States</i>	BMX-001 can reverse radiation-induced fibroblast activation and senescence	Cancer	Fri, Nov 17	<b>233</b>	
<b>Rafaela Oliveira Nascimento</b> <i>University of São Paulo Brazil</i>	Investigation of the reactive species responsible for dehydromethionine formation in model systems and in activated neutrophils	Chemical Biology	Sat, Nov 18	<b>291</b>	
<b>Luis Netto</b> <i>University of São Paulo Brazil</i>	Investigation of the Molecular Mechanisms of Mitochondrial Import and Maturation of Human Peroxiredoxins Prdx3 and Prdx5	Metabolism/Bioenergetics	Fri, Nov 17	<b>150</b>	
<b>Marina Nogueira</b> <i>Vanderbilt University Medical Center United States</i>	Time-dependent association between an RNA oxidation biomarker (8-oxoGuo) and colorectal cancer risk	Cancer	Fri, Nov 17	<b>234</b>	
<b>Cristian O'Flaherty</b> <i>McGill University and The Research Canada</i>	Oxidative Stress Promotes Changes in Gut Microbiota and impairs Male Fertility	Chemical Biology	Sat, Nov 18	<b>292</b>	



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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Matthias Oelze</b> University Medical Center of the Johannes Germany	Attenuation of aircraft noise-induced vascular dysfunction and oxidative stress by exercise, fasting and pharmacological activation of $\alpha$ 1AMPK or NRF2/HO1 pathway	Cardiovascular and Pulmonary	Fri, Nov 17	<b>195</b>	
<b>Matthias Oelze</b> University Medical Center of the Johannes Germany	Outcome of noise cessation after 4 days aircraft noise exposure on blood pressure, cardio- and cerebrovascular function and oxidative stress in mice	Cardiovascular and Pulmonary	Fri, Nov 17	<b>194</b>	
<b>Georgia Ohya</b> University of São Paulo Brazil	Substrates Regulate Mitochondrial Calcium Transport Components in Kidney Cells	Metabolism/Bioenergetics	Fri, Nov 17	<b>151</b>	
<b>I. Mark Olfert</b> West Virginia University United States	Electronic Cigarette Stimulates Extracellular Vesicles and Redox Biology	Cardiovascular and Pulmonary	Fri, Nov 17	<b>196</b>	
<b>Percillia Oliveira</b> University of Sao Paulo School of Brazil	N-glycans as a tool to monitor subcellular Protein Disulfide Isomerase traffic	Redox / Cell Signaling	Thurs, Nov 16	<b>041</b>	
<b>Percillia Oliveira</b> University of Sao Paulo School of Brazil	The endoplasmic reticulum-associated DNAJB12 and DNAJB14 are non-redundant Hsp40 family redox chaperones involved in ER protein reflux	Redox / Cell Signaling	Thurs, Nov 16	<b>042</b>	
<b>Florencia Orrico</b> Facultad de Ciencias, Universidad de la Uruguay	Hydrogen peroxide diffusion across the red blood cell membrane	Chemical Biology	Sat, Nov 18	<b>294</b>	
<b>Tamara Ortiz-Cerda</b> The University of Sydney Australia	Protective activity of natural products curcumin, Amomum villosum and Hedyotis diffusa in an animal model of Inflammatory Bowel Disease	Inflammation and Immunity	Thurs, Nov 16	<b>091</b>	
<b>Luca Paulino Otvos</b> Universidade de São Paulo (USP) Brazil	Redox and structural regulation of Mitochondrial Protein Tyrosine Phosphatase 1 (PTPMT1)	Redox / Cell Signaling	Thurs, Nov 16	<b>043</b>	
<b>Caitlin Pavelec</b> University of Virginia United States	scFv-E06 Expression Drives Cardiometabolic Protection in Heart Failure with Preserved Ejection Fraction	Cardiovascular and Pulmonary	Fri, Nov 17	<b>209</b>	
<b>Anna Pawlak</b> Jagiellonian University, Faculty of Poland	Role of 2,4-Heptadienal, product of n-3 polyunsaturated fatty acids oxidation, in photoreactivity of peroxidised docosahexaenoate.	Ageing	Thurs, Nov 16	<b>117</b>	
<b>Cynthia Paz-Trejo</b> CRCHUM - Université de Montréal Canada	Redox regulation of IFN $\gamma$ -mediated gene expression	Inflammation and Immunity	Thurs, Nov 16	<b>092</b>	

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<b>Natalia Penatti</b> Instituto Butantan Brazil	Cross-talk between mitochondria and proteasome in the maintenance of chronological lifespan in <i>S. cerevisiae</i> cells	Aging	Thurs, Nov 16	<b>118</b>	
<b>Oswaldo Pereira Jr</b> University of Sao Paulo Brazil	ATP-Sensitive Mitochondrial K <sup>+</sup> Channels (MitoKATP) Regulate Brown Adipocyte Metabolism and Support Pre-Adipocyte Proliferation	Metabolism/Bioenergetics	Fri, Nov 17	<b>153</b>	
<b>Josefina Pereyra</b> Facultad de Medicina- UdelaR Uruguay	Oxygen levels modulation of the macrophage oxidative response: nitric oxide and peroxynitrite production	Redox / Cell Signaling	Thurs, Nov 16	<b>044</b>	
<b>Marzia Perluigi</b> Sapienza University of Rome Italy	Trisomy21 and aberrant BACH1/Nrf-2 axis: implications for neurodegeneration	Neurodegenerative Disease	Sat, Nov 18	<b>360</b>	
<b>victor piccolo</b> University of Brasilia Brazil	Short-term high-fat diet feeding induces cognitive decline, aggressiveness and anxiety-like behavior in adult zebrafish ( <i>Danio rerio</i> )	Metabolism/Bioenergetics	Fri, Nov 17	<b>154</b>	
<b>Camila Vieira Pinheiro</b> Universidade Federal do Rio Grande do Brazil	Alterations In Redox Homeostasis And Mitochondrial Dynamics In Liver Of MPS II Mice	Redox / Cell Signaling	Thurs, Nov 16	<b>045</b>	
<b>Arthur Pinho</b> Universidade de São Paulo Brazil	Thioredoxin 1 ( <i>S. cerevisiae</i> ) Bind Dinitrosyl Iron Complex (DNIC) in Aqueous Media.	Chemical Biology	Sat, Nov 18	<b>295</b>	
<b>Mikaela Pinz</b> University of Sao Paulo Brazil	Characterization of a fluorescent biosensor with specificity for organic peroxides	Chemical Biology	Sat, Nov 18	<b>296</b>	
<b>Marissa Pokharel</b> Florida International University United States	Targeting the mitochondrial fission-mediator Drp1 is a potential therapeutic strategy for ventilator induced lung injury	Cardiovascular and Pulmonary	Fri, Nov 17	<b>198</b>	
<b>Alfonso Pompella</b> Universita' di Pisa Italy	Exosomal Glutathione S-transferase Omega-1 (GSTO1-1) Can Effect the Inter-Cell Transfer of Cisplatin Resistance.	Cancer	Fri, Nov 17	<b>235</b>	
<b>Leslie Poole</b> Wake Forest University School of United States	Compromise of mitochondrial thiol reductase systems by MitoCDNB magnifies immune cell responses to inflammatory stimuli	Inflammation and Immunity	Thurs, Nov 16	<b>093</b>	
<b>Omar Porras</b> Universidad de Chile Chile	CAPE Triggers a Fast Cytoplasmic Antioxidant Response by TRPV1 Stimulation of Endothelial Cells and Impairs Cellular Migration by Lowering Extracellular H <sub>2</sub> O <sub>2</sub>	Redox / Cell Signaling	Thurs, Nov 16	<b>027</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Manuela Pose</b> <i>Universidad de la Republica, Uruguay</i> Uruguay	Cytochrome c and hydrogen sulfide: study of the reaction mechanism and potential implications in redox signaling	Redox / Cell Signaling	Thurs, Nov 16	<b>046</b>	
<b>Pavla Pruchova</b> <i>Institute of Physiology Czech Academy of</i> Czech Republic	Do Non-Metabolizable Agonist of GPR40 Receptor Require Elevated H <sub>2</sub> O <sub>2</sub> To Stimulate Insulin Secretion?	Redox / Cell Signaling	Thurs, Nov 16	<b>047</b>	
<b>Giovana Punaro</b> <i>Universidade Federal de São Paulo</i> Brazil	Biochemical Effects And miRNAs Profile In Type 2 Diabetic Patients After Açai Juice Supplementation	Chemical Biology	Sat, Nov 18	<b>309</b>	
<b>Laisa Quadros Barse</b> <i>Ruhr University Bochum</i> Germany	Elucidating Auranofin's (AF) mechanism of action in bacterial cells	Redox / Cell Signaling	Thurs, Nov 16	<b>048</b>	
<b>Rodrigo A Quintanilla</b> <i>Universidad Autonoma de Chile</i> Chile	Caspase-3 cleaved tau impairs mitochondrial function through the opening of the mitochondrial permeability transition pore	Neurodegenerative Disease	Sat, Nov 18	<b>361</b>	
<b>Rodrigo A Quintanilla</b> <i>Universidad Autonoma de Chile</i> Chile	Contribution of tau protein on the cognitive loss and hippocampal mitochondrial impairment during aging	Aging	Thurs, Nov 16	<b>116</b>	
<b>Sunil Kumar Raghav</b> <i>Institute of Life Sciences</i> India	NCoR1 and SMRT balances immune tolerance and inflammation in dendritic cells by fine-tuning metabolism	Inflammation and Immunity	Thurs, Nov 16	<b>094</b>	
<b>Irfan Rahman</b> <i>University of Rochester</i> United States	Fibroblast senescence in radiation induced pulmonary fibrosis	Cardiovascular and Pulmonary	Fri, Nov 17	<b>199</b>	
<b>Raghavan Raju</b> <i>Medical College of Georgia</i> United States	Age-dependent Antioxidant Effect of Plasma Extracellular Vesicles and their MicroRNA Profiles	Aging	Thurs, Nov 16	<b>119</b>	
<b>Charles Ramassamy</b> <i>INRS - Institut Armand Frappier</i> Canada	Donepezil-loaded extracellular vesicles attenuates LPS-induced oxidative stress: in vitro and in vivo studies	Neurodegenerative Disease	Sat, Nov 18	<b>362</b>	
<b>Dario Ramirez</b> <i>Laboratory of Experimental and</i> Argentina	INTRACELLULARLY PRODUCED HOCl BLOCKS INSULIN SIGNALING IN ADIPOCYTES	Redox / Cell Signaling	Thurs, Nov 16	<b>049</b>	
<b>Dario Ramirez</b> <i>Laboratory of Experimental and</i> Argentina	Nrf-2: a critical target to reduce obesity-associated metabolic risk	Inflammation and Immunity	Thurs, Nov 16	<b>095</b>	



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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Angelica Ramos</b> <i>University of Sao Paulo Brazil</i>	Functions of mitochondrial 1-Cys Peroxiredoxin (ScPrx1) from <i>Saccharomyces cerevisiae</i> in the intermembrane space or in the matrix	Redox / Cell Signaling	Thurs, Nov 16	<b>050</b>	
<b>Sofia Reynoso</b> <i>Universidad de Buenos Aires Argentina</i>	Urban air inhalation exacerbates the oxinflammatory response after an acute lung injury, hindering alveolar epithelium repair	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>336</b>	
<b>Karina Ricart</b> <i>University of Alabama at Birmingham United States</i>	Role of Halogenated Lipids in Inflammatory Lung Disease	Cardiovascular and Pulmonary	Fri, Nov 17	<b>200</b>	
<b>Natalia Rios</b> <i>Universidad de la República Uruguay</i>	In vitro and in cellula tyrosine nitration by 5-methyl-1,4-dinitro-1H-imidazole (DNI), a photochemical nitrating agent: synthesis and biochemical characterization	Chemical Biology	Sat, Nov 18	<b>297</b>	
<b>Debora Rocha</b> <i>University of Sao Paulo Brazil</i>	Beta-type estradiol receptor modulates hepatocyte lipid oxidation	Metabolism/Bioenergetics	Fri, Nov 17	<b>155</b>	
<b>Lyanne Rodríguez Pérez</b> <i>Universidad de Talca Chile</i>	Synthesis and antiplatelet activity of nitrated fatty acids from tomato pomace	Chemical Biology	Sat, Nov 18	<b>298</b>	
<b>Marianela Rodriguez-Rey</b> <i>Universidad de la República Uruguay</i>	Mitochondrial dysfunction in animal model of severe acute neonatal hypoxia: effect of the NOS inhibitor, 2-iminobiotin.	Metabolism/Bioenergetics	Fri, Nov 17	<b>156</b>	
<b>Laura Romanelli Cedrez</b> <i>Institut Pasteur de Montevideo Uruguay</i>	Rhodoquinone as a key Molecule for Sulfide, Cyanide and Pathogen Response in <i>Caenorhabditis elegans</i>	Chemical Biology	Sat, Nov 18	<b>300</b>	
<b>Emma Saavedra</b> <i>Instituto Nacional de Cardiología Ignacio Mexico</i>	Computational modeling and Metabolic Control Analysis of the thiol metabolism in <i>Trypanosoma cruzi</i>	Metabolism/Bioenergetics	Fri, Nov 17	<b>157</b>	
<b>Vikram Saini</b> <i>All India Instt of Medical Sciences (AIIMS) India</i>	Selenium supplementation improves redox homeostasis and host bioenergetic health to moderate tuberculosis infection	Metabolism/Bioenergetics	Fri, Nov 17	<b>158</b>	
<b>Enrique Salas-Vidal</b> <i>Universidad Nacional Autónoma de Mexico</i>	Nox-derived reactive oxygen species (ROS) and dynamin participate in E-cadherin traffic regulation required for epiboly and gastrulation in zebrafish embryos.	Redox / Cell Signaling	Thurs, Nov 16	<b>051</b>	
<b>Armindo Salvador</b> <i>The University of Coimbra Portugal</i>	Spatially localized redox relays allow sensitive site-specific hydrogen peroxide signaling	Redox / Cell Signaling	Thurs, Nov 16	<b>052</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Beatriz Sanchez Calvo</b> <i>Universidad de la Republica de Uruguay Uruguay</i>	Cardiovascular Effect of Nitro-Fatty Acids from Olive Oil in Non-Alcoholic Fatty Liver Disease	Cardiovascular and Pulmonary	Fri, Nov 17	<b>201</b>	
<b>Martha Sanchez-Rodriguez</b> <i>Universidad Nacional Autónoma de Mexico</i>	Relationship between oxidative stress and central obesity in middle age Mexican women. A longitudinal study	Aging	Thurs, Nov 16	<b>120</b>	
<b>Nalini Santanam</b> <i>Marshall University School of Medicine United States</i>	Synergistic Effects of Catalase-Overexpression and Exercise on Skeletal Muscle and Behavior	Redox / Cell Signaling	Thurs, Nov 16	<b>053</b>	
<b>Jerome Santolini</b> <i>CEA France</i>	Everything, Everywhere, All at Once - A Redox Theory of Biological Regulation	Redox / Cell Signaling	Thurs, Nov 16	<b>054</b>	
<b>Carmen Lucía Sanz Alarta</b> <i>Universidade Federal do Paraná Brazil</i>	Effect of sulforaphane on endothelial cells exposed to uremic toxins	Redox / Cell Signaling	Thurs, Nov 16	<b>055</b>	
<b>Christian Saporito</b> <i>Universidad de Buenos Aires Argentina</i>	IgG becomes irreversibly aggregated in the presence of hydrogen peroxide and Cu(II) ions: implications in vivo	Chemical Biology	Sat, Nov 18	<b>301</b>	
<b>Santiago Sastre</b> <i>Universidad de la República Uruguay</i>	Biochemical, structural and mechanistic characterization of Mycobacterium tuberculosis methionine sulfoxide reductase A	Chemical Biology	Sat, Nov 18	<b>302</b>	
<b>Valeria Scalcon</b> <i>Dept. of Biomedical Sciences, University Italy</i>	Redefining Waste: A Path to Sustainability and Value through Antioxidant Detection in Milk By-Products	Redox / Cell Signaling	Thurs, Nov 16	<b>056</b>	
<b>Edward Schmidt</b> <i>University of Veterinary Medicine United States</i>	Rewired Sulfur Amino Acid Metabolism Provides Thiols Supporting Cell Survival in the Absence of Disulfide Reducing Power	Redox / Cell Signaling	Thurs, Nov 16	<b>057</b>	
<b>Katrin Schroeder</b> <i>Goethe-University Germany</i>	NoxO1 and Erbin - a cooperation to control EGF signaling in cancer ?	Redox / Cell Signaling	Thurs, Nov 16	<b>058</b>	
<b>Bianca Scigliano Vargas</b> <i>University of São Paulo Brazil</i>	Systemic Consequences of ALS: Exploring Multiorgan HNE Formation and Detoxification Using HPLC-MS/MS	Chemical Biology	Sat, Nov 18	<b>303</b>	
<b>Lucia Seale</b> <i>University of Hawaii at Manoa United States</i>	Tissue-specific reliance of glutathione peroxidases on selenocysteine lyase	Metabolism/Bioenergetics	Fri, Nov 17	<b>159</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Robson Serralha</b> Universidade Federal de São Paulo Brazil	The Effects of Esculin Treatment on Mitochondrial Dynamics and Epigenetics in the Early Stage of Experimental Diabetic Nephropathy	Metabolism/Bioenergetics	Fri, Nov 17	<b>137</b>	
<b>Anurag Sharma</b> Nitte University Centre for Science India	Role of Hematopoietic 'Niche' in Benzene-Induced Hematopoietic Emergency: Lesson from Drosophila	Environmental Toxicology/Pharmacology	Sat, Nov 18	<b>337</b>	
<b>Abhishek Shastry</b> Queen's University Canada	High Fat Diet Modulates the Skeletal Muscle Transcriptional Response in Mitochondrial DNA-Driven Cardiometabolic Disease	Metabolism/Bioenergetics	Fri, Nov 17	<b>160</b>	
<b>Xinggui Shen</b> LSU Health-Shreveport United States	Exploring glutathione per/polysulfide signaling in hyperglycemic endothelial cells	Redox / Cell Signaling	Thurs, Nov 16	<b>059</b>	
<b>Meg Shieh</b> Brown University United States	Transforming H <sub>2</sub> S to H <sub>2</sub> S <sub>2</sub> by a Redox Reversible Booster System	Chemical Biology	Sat, Nov 18	<b>304</b>	
<b>Briana Shimada</b> University of Hawaii at Manoa United States	High-fat, Selenium Deficient Diet Reduces Glutathione Peroxidase in the Hearts of Selenocysteine Lyase Knockout Mice	Cardiovascular and Pulmonary	Fri, Nov 17	<b>202</b>	
<b>Adam Sikora</b> Lodz University of Technology Poland	The reaction of glutathione-derived dinitrosyl iron complex and superoxide radical anion - the detection and quantitation of peroxynitrite	Chemical Biology	Sat, Nov 18	<b>305</b>	
<b>Romuel Silva</b> Universidade federal de Santa Catarina Brazil	Optimization of differential ultracentrifugation for the purification of small extracellular vesicles from human biological fluids	Chemical Biology	Sat, Nov 18	<b>306</b>	
<b>Beatriz Silva</b> University of São Paulo Brazil	Reduced uric acid levels in alcohol-associated liver disease mice model are associated with downregulation of hepatic urate synthesis and impaired renal reabsorption	Metabolism/Bioenergetics	Fri, Nov 17	<b>161</b>	
<b>Railmara Silva</b> Universidade de São Paulo Brazil	Uric Acid Oxidation Products Correlate with Sepsis and Promote Modification on Serum Albumin in Intensive Care Unit Patients	Inflammation and Immunity	Thurs, Nov 16	<b>097</b>	
<b>Marcela Simões Teruel</b> Universidade Federal do ABC (UFABC) Brazil	Propionic Acid Reduces Glutathione Content and Compromises Cell Metabolic Viability in MO3.13 Human Oligodendrocyte Cell Line - Insights for Propionic Acidemia	Neurodegenerative Disease	Sat, Nov 18	<b>364</b>	
<b>Jillian Simon</b> Temple University United States	Redox Sensing and Signaling by PKAR1 $\alpha$ aids Cell Survival and Organellar Stress Adaptation under Ischemic Stress	Redox / Cell Signaling	Thurs, Nov 16	<b>060</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Mekhla Singhania</b> <i>The University of Iowa United States</i>	Enhancing therapeutic responses in NSCLC using iron-oxide nanoparticles combined with Pharmacological Ascorbate	Cancer	Fri, Nov 17	<b>236</b>	
<b>Melissa Siolin</b> <i>University of Sao Paulo Brazil</i>	Investigation on the potential inhibitory effects of 6-fluorobenzo[d]isothiazol-3(2H)-one on the enzymatic activity of OhrB from <i>Acinetobacter baumannii</i>	Redox / Cell Signaling	Thurs, Nov 16	<b>061</b>	
<b>Matthew Ryan Smith</b> <i>Emory University United States</i>	Metabolic Dysregulation in Group 3 Pulmonary Hypertension	Cardiovascular and Pulmonary	Fri, Nov 17	<b>203</b>	
<b>Andrey Vinicios Soares Carvalho</b> <i>Universidade Federal do Rio Grande do Brazil</i>	Bezafibrate Treatment Reduces Oxidative Stress And Restores Mitochondrial Functions After Neonatal Hypoxia-Ischaemia In Rats	Redox / Cell Signaling	Thurs, Nov 16	<b>062</b>	
<b>Iliaria Sorrentino</b> <i>University Carlos III of Madrid Spain</i>	Analyses of H2O2 production in time during mechanical-like injury	Redox / Cell Signaling	Thurs, Nov 16	<b>063</b>	
<b>Martín Sosa</b> <i>Universidad de la República Uruguay</i>	Inhibition of <i>Echinococcus granulosus</i> Thioredoxin Glutathione Reductase by Nitro-oleic Acid	Chemical Biology	Sat, Nov 18	<b>307</b>	
<b>Gabriela Specker</b> <i>Universidad de la República Uruguay</i>	Mitochondrial trypanothione peroxidase in the response of <i>Trypanosoma cruzi</i> to stress: characterization of deficient strains obtained by CRISPR/Cas9	Redox / Cell Signaling	Thurs, Nov 16	<b>064</b>	
<b>Martina Steglich</b> <i>Universidad de la República Uruguay</i>	Human glutathione transferases catalyze the inactivation of nitrooleic acid	Chemical Biology	Sat, Nov 18	<b>308</b>	
<b>Maria Carmen Suarez Arocena</b> <i>Universidad de la República Uruguay</i>	Oxidative Stress Induced by Hyperglycemia and Inflammation Affects Osteoblast Function: Implications for Osseointegration.	Metabolism/Bioenergetics	Fri, Nov 17	<b>162</b>	
<b>Christina Sul</b> <i>University of Colorado Anschutz Medical United States</i>	Increased Circulating EC-SOD Protects Against Platelet Activation and Neutrophil Recruitment to the Lung in Response to <i>S.aureus</i> Pneumonia	Cardiovascular and Pulmonary	Fri, Nov 17	<b>204</b>	
<b>harold m swartz</b> <i>Dartmouth United States</i>	Enhancing Cancer Therapy by Repeated Measurements of Oxygen in Tumors	Cancer	Fri, Nov 17	<b>237</b>	
<b>Andrea Szuchman-Sapir</b> <i>MIGAL Research Institute &amp; Tel-Hai Israel</i>	Molecular regulation of endothelial and vascular dysfunction by lipid lactone mediators	Cardiovascular and Pulmonary	Fri, Nov 17	<b>205</b>	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
<b>Yuxiao Tang</b> second military medical university China	Iron deficiency in liver tumors promote its angiogenesis	Cancer	Fri, Nov 17	<b>239</b>	
<b>Priscilla Tang</b> University of Pittsburgh United States	SIRT3/SOD2/H2O2-mediated redox signaling supports ovarian cancer anchorage-independence	Cancer	Fri, Nov 17	<b>238</b>	
<b>Domenica Tarallo</b> Facultad de Medicina, Universidad de la Uruguay	Mitofusin 1 Silencing Decreases the Senescent Associated Secretory Phenotype, Promotes Immune Cell Recruitment and Delays Melanoma Tumor Growth After Chemotherapy	Cancer	Fri, Nov 17	<b>240</b>	
<b>Rafael Teixeira Ribeiro</b> Universidade Federal do Rio Grande do Brazil	L-2-hydroxyglutaric Acid Intracerebroventricular Administration to Neonatal Rats Promotes Disturbance of Redox Homeostasis, Neuronal Death, Glial Reactivity and	Redox / Cell Signaling	Thurs, Nov 16	<b>065</b>	
<b>Douglas Thomas</b> University of Illinois at Chicago United States	Nitric oxide inhibits FTO demethylase activity to regulate N6-methyladenosine mRNA methylation	Chemical Biology	Sat, Nov 18	<b>312</b>	
<b>Ediandra Tissot Castro</b> Universidade Federal do Rio Grande do Brazil	Disruption of Redox Homeostasis by Succinylacetone In Liver and Kidney of Adolescent Rats	Redox / Cell Signaling	Thurs, Nov 16	<b>066</b>	
<b>Shinya Toyokuni</b> Nagoya University Graduate School of Japan	Role of Iron, Oxygen and Ferroptosis in Tumor Evolutionary Biology	Cancer	Fri, Nov 17	<b>241</b>	
<b>jose trujillo hernandez</b> National Institutes of Health United States	Identification of genes that protect AML12 hepatocytes from ischemia-reperfusion injury	Redox / Cell Signaling	Thurs, Nov 16	<b>067</b>	
<b>Suresh Tyagi</b> University of Louisville School of Medicine United States	NAD+-dependent SIRT3	Redox / Cell Signaling	Thurs, Nov 16	<b>068</b>	
<b>Crystal Uvalle</b> University of Pittsburgh United States	Nitro-oleic acid attenuates pro-inflammatory metabolic signaling in LPS activated macrophages	Metabolism/Bioenergetics	Fri, Nov 17	<b>163</b>	
<b>Laura Beatriz Valdez</b> Universidad de Buenos Aires. Instituto de Argentina	Melatonin prevents the cardiac mitochondrial dysfunction associated to early type 1 Diabetes	Metabolism/Bioenergetics	Fri, Nov 17	<b>164</b>	
<b>Valeria Valez</b> Facultad de Odontología, Universidad de Uruguay	Formation and Decomposition of the Mn(II)P-NO Complex In Vitro: Potential Role in Mitochondrial Peroxynitrite Formation	Redox / Cell Signaling	Thurs, Nov 16	<b>069</b>	

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<b>Andrea Vallese</b> University of Ferrara Italy	The pathogenic axis between mitochondrial dysfunction and NLRP3 inflammasome activation in Autism Spectrum Disorder	Inflammation and Immunity	Thurs, Nov 16	<b>098</b>	
<b>Albert van der Vliet</b> University of Vermont United States	A Unique Role for Dual Oxidase 1 (DUOX1) in Macrophage Recruitment and Profibrotic Activation During Pulmonary Fibrosis	Cardiovascular and Pulmonary	Fri, Nov 17	<b>206</b>	
<b>Murugesan Velayutham</b> West Virginia University United States	Oxidative Stress Paradox and COVID-19 Vaccination	Inflammation and Immunity	Thurs, Nov 16	<b>099</b>	
<b>Sara Ventura</b> The Heart Institute - FMUSP Brazil	Interaction between Protein Disulfide Isomerase-A1 and Enolase-1 contributes to plasmin activation in vascular smooth muscle cells	Redox / Cell Signaling	Thurs, Nov 16	<b>070</b>	
<b>Eloisa Aparecida Vilas Boas</b> University of Sao Paulo Brazil	A practical and robust method to evaluate metabolic fluxes in isolated pancreatic islets	Metabolism/Bioenergetics	Fri, Nov 17	<b>166</b>	
<b>Danielle Vileigas</b> University of São Paulo Brazil	Development of a redox proteomics workflow to identify cell surface proteins susceptible to thiol oxidation in endothelial cells	Redox / Cell Signaling	Thurs, Nov 16	<b>071</b>	
<b>Sebastian Villar Rodriguez</b> Facultad de Ciencias, UdeLaR Uruguay	An Incisive Look at the Reduction of 2Cys Peroxiredoxins by Thioredoxins	Chemical Biology	Sat, Nov 18	<b>314</b>	
<b>Francisco Villarreal</b> UCSD United States	Effects of (+)-Epicatechin on Mitochondrial Biogenesis and Function in Skeletal Muscle of Aged Rats	Aging	Thurs, Nov 16	<b>123</b>	
<b>Andrey Vinokurov</b> Orel State University Russia	Selective activation of RAGE in neurons and astrocytes increase ROS production in NADPH oxidase	Redox / Cell Signaling	Thurs, Nov 16	<b>072</b>	
<b>Laszlo Virag</b> University of Debrecen Hungary	Automated high-throughput cell culture scratch assay identifies wound healing promoting and inhibiting compounds from a small compound library of redox active molecules	Chemical Biology	Sat, Nov 18	<b>315</b>	
<b>Mia Wilkinson</b> Queen's University - Kingston Canada	Platelet Bioenergetics as a Liquid Biopsy for Cardiometabolic Disease	Metabolism/Bioenergetics	Fri, Nov 17	<b>167</b>	
<b>Bryce Wilson</b> The University of Arizona United States	Peroxiredoxin System Mediates Transcription Factor Activation in Response to Oxidative Stress	Redox / Cell Signaling	Thurs, Nov 16	<b>073</b>	



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<b>Irene Wood</b> <i>Universidad de la República, Facultad de Uruguay</i>	New insights on Prostaglandin endoperoxide H synthase 2 (PGHS2) inhibition mechanism by nitroarachidonic acid (NO2AA)	Chemical Biology	Sat, Nov 18	<b>316</b>	
<b>Joao Wosniak Jr</b> <i>University of Sao Paulo School of Brazil</i>	Protein Disulfide Isomerase overexpression induces mitochondrial reorganization and a differentiated VSMC phenotype: role of mitofusin-2	Cardiovascular and Pulmonary	Fri, Nov 17	<b>207</b>	
<b>Kangzhe Xie</b> <i>The University of Sydney Australia</i>	The effect of peptidyl arginine deiminase 4 (PAD4) inhibition on neutrophil extracellular traps (NETs) formation in DSS-induced mouse model of experimental colitis	Inflammation and Immunity	Thurs, Nov 16	<b>100</b>	
<b>Liang-Jun Yan</b> <i>University of North Texas Health Science United States</i>	Conditioning of dihydrolipoamide dehydrogenase as a neuroprotective strategy in stroke	Metabolism/Bioenergetics	Fri, Nov 17	<b>168</b>	
<b>Hongwei Yao</b> <i>Brown University United States</i>	Decreased endothelial Cpt1a causes neonatal hyperoxia-induced pulmonary vascular remodeling by upregulating EndoMT	Cardiovascular and Pulmonary	Fri, Nov 17	<b>208</b>	
<b>Hongwei Yao</b> <i>Brown University United States</i>	Ontogeny and contribution of cellular senescence to normal lung development	Aging	Thurs, Nov 16	<b>124</b>	
<b>Scott Yeudall</b> <i>University of Virginia United States</i>	Inhibition of the glycolytic regulator 6-phosphofructokinase/fructose-2,6-bisphosphatase 3 (PFKFB3) in macrophages attenuates heme-induced NF-kB-dependent inflammation in Acute Cell Disease	Inflammation and Immunity	Thurs, Nov 16	<b>101</b>	
<b>Natalia Zamorano Cuervo</b> <i>CRCHUM - Université de Montréal Canada</i>	Dynamic Regulation of MAVS Protein Function via Reversible Oxidation at Cys79 in Response to Oxidant Stimuli	Redox / Cell Signaling	Thurs, Nov 16	<b>074</b>	
<b>Tamara Zaobornyj</b> <i>Universidad de Buenos Aires Argentina</i>	Remote ischemic preconditioning prevents sarcolemmal associated proteolysis through MMP-2 inhibition	Cardiovascular and Pulmonary	Fri, Nov 17	<b>210</b>	
<b>Matias Zapata Lizama</b> <i>Universidad de Santiago de Chile Chile</i>	Free radical oxidation of antimicrobial peptides in phospholipid membranes	Chemical Biology	Sat, Nov 18	<b>317</b>	
<b>Sidorela Zefi</b> <i>St. John's University United States</i>	Sound the Alarm: Understanding HMGB1 in COVID-19 and Inflammatory Lung Injury	Inflammation and Immunity	Thurs, Nov 16	<b>102</b>	
<b>Ari Zeida</b> <i>Facultad de Medicina, UDELAR Uruguay</i>	Role of Thiol Redox Status in SARS-CoV2 Spike Glycoprotein Recognition by the Host Receptor ACE2	Chemical Biology	Sat, Nov 18	<b>318</b>	

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<b>Ângela Beatris Zemni��ak</b> <i>Universidade Federal do Rio Grande do Brazil</i>	Acute Intracerebral Accumulation of A-Ketoisocaproic Acid Provokes Disruption of Redox Homeostasis in Brain of Neonatal Rats	Redox / Cell Signaling	Thurs, Nov 16	<b>075</b>	
<b>Wei Zhu</b> <i>UC-Davis United States</i>	Sulforaphane prevents TNF��-induced Caco-2 cell monolayer permeabilization via regulation of redox-sensitive signaling pathways	Redox / Cell Signaling	Thurs, Nov 16	<b>076</b>	
<b>Andrei Zhuravlev</b> <i>Saarland University Germany</i>	Redox regulation of metabolic oscillations and its coupling to cell division in <i>Saccharomyces cerevisiae</i>	Redox / Cell Signaling	Thurs, Nov 16	<b>077</b>	
<b>Jacek Zielonka</b> <i>Medical College of Wisconsin United States</i>	Specific Fluorescence-Based Detection of Peroxynitrite via Fluorogenic Cyclization Reaction	Chemical Biology	Sat, Nov 18	<b>319</b>	
<b>Ester Zito</b> <i>Mario Negri Institute of pharmacological Italy</i>	Covalent inhibition of the endoplasmic reticulum oxido- reductase ERO1 for effective breast cancer therapy	Cancer	Fri, Nov 17	<b>242</b>	