

POSTER PRESENTATIONS

(by Category / Presentation Day)

Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Matilde Abboud Irazábal <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	001	
Azaj Ahmed <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	002	
Hamza Yusuf Altun <i>Sabancı University Turkey</i>	Importance of physiological oxygen levels for endothelial redox signaling using Hyper 7	Redox / Cell Signaling	Thurs, Nov 16	003	
Sandra Anjo <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	004	
Sandra Anjo <i>CNC-UC Portugal</i>	Intra- and extracellular proteome changes upon oxidative stress: focus on thiol-proteome	Redox / Cell Signaling	Thurs, Nov 16	005	
Eduardo Arévalo <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	006	
Elias Arner <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	007	
FREDERIC BARRAS <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	008	
Hadar Ben-Yoav <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	009	
Daniela Caporossi <i>University of Rome Foro Italico Italy</i>	Impact of redox signalling on the biogenesis of extracellular vesicles (EVs) in skeletal muscle cells.	Redox / Cell Signaling	Thurs, Nov 16	010	
Eliana Jazmín Chacón Durán <i>Facultad de Medicina, Universidad de la Uruguay</i>	Development of a Redox-Active Senotherapeutic that Targets the Senescent Associated Secretory Phenotype	Redox / Cell Signaling	Thurs, Nov 16	012	
Ying Chen <i>Yale University United States</i>	Hepatic Epigenomic Changes Associated with Chronic Oxidative Stress in a Mouse Model of Glutathione Deficiency	Redox / Cell Signaling	Thurs, Nov 16	013	

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Carmen Choya-Foces <i>Instituto de Investigación Sanitaria Spain</i>	The effect of lithium on mitochondrial metabolism	Redox / Cell Signaling	Thurs, Nov 16	014	
Daniel Colon Hidalgo <i>University of Colorado United States</i>	Overexpression of EC-SOD attenuates hypoxia-induced platelet activation.	Redox / Cell Signaling	Thurs, Nov 16	015	
Paulo Costa <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	016	
Eleonora Cremonini <i>University of California Davis United States</i>	Epicatechin Prevents High-Fat Diet-Induced Endoplasmic Reticulum And Oxidative Stress And Consequent Apoptosis In Pancreatic β -cells: Evidence In Vivo And In Vitro	Redox / Cell Signaling	Thurs, Nov 16	017	
Eleonora Cremonini <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	018	
Mauricio Da Baptista <i>Universidade de Sao Paulo Brazil</i>	Skin redoxome and the photochemical membrane leakage	Redox / Cell Signaling	Thurs, Nov 16	019	
Andreas Daiber <i>University Medical Center Mainz Germany</i>	Nitric oxide, superoxide and peroxynitrite – shaping the cardiovascular environment by nitro-oxidative stress and S-nitros(y)ation	Redox / Cell Signaling	Thurs, Nov 16	020	
Anika Diederich <i>Saarland University Germany</i>	Development and characterization of novel genetically encoded NADP probes	Redox / Cell Signaling	Thurs, Nov 16	022	
Ese Ekhtator <i>North Carolina A&T State University United States</i>	Effects of Redox Modification on Protein Kinase A (PKA) Substrate Interactions	Redox / Cell Signaling	Thurs, Nov 16	023	
Alexsandro Tavares Figueiredo-Junior <i>Federal University of Rio de Janeiro Brazil</i>	Potassium bixinate as a novel Nrf2/ARE activator drug candidate: ROS scavenger and anti-inflammatory proprieties	Redox / Cell Signaling	Thurs, Nov 16	025	
Omar Porras <i>Universidad de Chile Chile</i>	CAPE Triggers a Fast Cytoplasmic Antioxidant Response by TRPV1 Stimulation of Endothelial Cells and Impairs Cellular Migration by Lowering Extracellular H ₂ O ₂	Redox / Cell Signaling	Thurs, Nov 16	027	
Madeline Hines <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	028	

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Martin Jaburek <i>Institute of Physiology, Czech Academy Czech Republic</i>	Amplex Red-based H ₂ O ₂ Assay Detects Mitochondrial Redox Signals During Insulin Secretion	Redox / Cell Signaling	Thurs, Nov 16	029	
Petr Jezek <i>Institute of Physiology of the Czech Czech Republic</i>	Mitochondrial redox signals are essential for insulin secretion	Redox / Cell Signaling	Thurs, Nov 16	030	
Cristian Justet <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	031	
Daniela Kajihara <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	032	
André Luiz Lopes <i>Universidade de São Paulo Brazil</i>	Photosensitization of 6-Thioguanine Incorporated into DNA Induces Cellular Proteome Remodeling in Immortalized Keratinocytes	Redox / Cell Signaling	Thurs, Nov 16	034	
Yongke Lu <i>Marshall University United States</i>	PPAR α mediates spontaneous upregulation of ACOX1 but not catalase in liver PEX16 absent mice that lack intact peroxisome structure.	Redox / Cell Signaling	Thurs, Nov 16	035	
Iria Medraño-Fernandez <i>University Carlos III of Madrid Spain</i>	On the cartography of redox signaling: peroxiporins as landmark doorways	Redox / Cell Signaling	Thurs, Nov 16	037	
Flavia Meotti <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	038	
Ligia Moriguchi Watanabe <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	039	
Percillia Oliveira <i>University of Sao Paulo School of Brazil</i>	N-glycans as a tool to monitor subcellular Protein Disulfide Isomerase traffic	Redox / Cell Signaling	Thurs, Nov 16	041	
Percillia Oliveira <i>University of Sao Paulo School of Brazil</i>	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	042	
Luca Paulino Otvos <i>Universidade de São Paulo (USP) Brazil</i>	Redox and structural regulation of Mitochondrial Protein Tyrosine Phosphatase 1 (PTPMT1)	Redox / Cell Signaling	Thurs, Nov 16	043	

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Josefina Pereyra <i>Facultad de Medicina- UdeLaR Uruguay</i>	Oxygen levels modulation of the macrophage oxidative response: nitric oxide and peroxynitrite production	Redox / Cell Signaling	Thurs, Nov 16	044	
Camila Vieira Pinheiro <i>Universidade Federal do Rio Grande do Brazil</i>	Alterations In Redox Homeostasis And Mitochondrial Dynamics In Liver Of MPS II Mice	Redox / Cell Signaling	Thurs, Nov 16	045	
Manuela Pose <i>Universidad de la Republica, Uruguay Uruguay</i>	Cytochrome c and hydrogen sulfide: study of the reaction mechanism and potential implications in redox signaling	Redox / Cell Signaling	Thurs, Nov 16	046	
Pavla Pruchova <i>Institute of Physiology Czech Academy of Czech Republic</i>	Do Non-Metabolizable Agonist of GPR40 Receptor Require Elevated H2O2 To Stimulate Insulin Secretion?	Redox / Cell Signaling	Thurs, Nov 16	047	
Laisa Quadros Barse <i>Ruhr University Bochum Germany</i>	Elucidating Auranofin's (AF) mechanism of action in bacterial cells	Redox / Cell Signaling	Thurs, Nov 16	048	
Dario Ramirez <i>Laboratory of Experimental and Argentina</i>	INTRACELLULARLY PRODUCED HOCl BLOCKS INSULIN SIGNALING IN ADIPOCYTES	Redox / Cell Signaling	Thurs, Nov 16	049	
Angelica Ramos <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	050	
Enrique Salas-Vidal <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	051	
Armindo Salvador <i>The University of Coimbra Portugal</i>	Spatially localized redox relays allow sensitive site-specific hydrogen peroxide signaling	Redox / Cell Signaling	Thurs, Nov 16	052	
Nalini Santanam <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	053	
Jerome Santolini <i>CEA France</i>	Everything, Everywhere, All at Once - A Redox Theory of Biological Regulation	Redox / Cell Signaling	Thurs, Nov 16	054	
Carmen Lucía Sanz Alarta <i>Universidade Federal do Paraná Brazil</i>	Effect of sulforaphane on endothelial cells exposed to uremic toxins	Redox / Cell Signaling	Thurs, Nov 16	055	

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Valeria Scalcon <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	056	
Edward Schmidt <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	057	
Katrin Schroeder <i>Goethe-University Germany</i>	NoxO1 and Erbin - a cooperation to control EGF signaling in cancer ?	Redox / Cell Signaling	Thurs, Nov 16	058	
Xingui Shen <i>LSU Health-Shreveport United States</i>	Exploring glutathione per/polysulfide signaling in hyperglycemic endothelial cells	Redox / Cell Signaling	Thurs, Nov 16	059	
Jillian Simon <i>Temple University United States</i>	Redox Sensing and Signaling by PKAR1 α aids Cell Survival and Organellar Stress Adaptation under Ischemic Stress	Redox / Cell Signaling	Thurs, Nov 16	060	
Melissa Siolin <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	061	
Andrey Vinicios Soares Carvalho <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	062	
Ilaria Sorrentino <i>University Carlos III of Madrid Spain</i>	Analyses of H ₂ O ₂ production in time during mechanical-like injury	Redox / Cell Signaling	Thurs, Nov 16	063	
Gabriela Specker <i>Universidad de la República Uruguay</i>	Mitochondrial trypanoxin 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	064	
Rafael Teixeira Ribeiro <i>Universidade Federal do Rio Grande do Brazil</i>	L-2-hydroxyglutaric Acid Intracerebroventricular Administration to Neonatal Rats Promotes Disturbance of Redox Homeostasis, Neuronal Death, Glial Reactivity and Delayed	Redox / Cell Signaling	Thurs, Nov 16	065	
Ediandra Tissot Castro <i>Universidade Federal do Rio Grande do Brazil</i>	Disruption of Redox Homeostasis by Succinylacetone In Liver and Kidney of Adolescent Rats	Redox / Cell Signaling	Thurs, Nov 16	066	
jose trujillo hernandez <i>National Institutes of Health United States</i>	Identification of genes that protect AML12 hepatocytes from ischemia-reperfusion injury	Redox / Cell Signaling	Thurs, Nov 16	067	

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Suresh Tyagi <i>University of Louisville School of Medicine United States</i>	NAD+-dependent SIRT3	Redox / Cell Signaling	Thurs, Nov 16	068	
Valeria Valez <i>Facultad de Odontología, Universidad de Uruguay</i>	Formation and Decomposition of the Mn(II)P-NO Complex In Vitro: Potential Role in Mitochondrial Peroxynitrite Formation	Redox / Cell Signaling	Thurs, Nov 16	069	
Sara Ventura <i>The Heart Institute - FMUSP Brazil</i>	Interaction between Protein Disulfide Isomerase-A1 and Enolase-1 contributes to plasmin activation in vascular smooth muscle cells	Redox / Cell Signaling	Thurs, Nov 16	070	
Danielle Vileigas <i>University of São Paulo Brazil</i>	Development of a redox proteomics workflow to identify cell surface proteins susceptible to thiol oxidation in endothelial cells	Redox / Cell Signaling	Thurs, Nov 16	071	
Andrey Vinokurov <i>Orel State University Russia</i>	Selective activation of RAGE in neurons and astrocytes increase ROS production in NADPH oxidase	Redox / Cell Signaling	Thurs, Nov 16	072	
Bryce Wilson <i>The University of Arizona United States</i>	Peroxiredoxin System Mediates Transcription Factor Activation in Response to Oxidative Stress	Redox / Cell Signaling	Thurs, Nov 16	073	
Natalia Zamorano Cuervo <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	074	
Ângela Beatris Zemniaczak <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	075	
Wei Zhu <i>UC-Davis United States</i>	Sulforaphane prevents TNF α -induced Caco-2 cell monolayer permeabilization via regulation of redox-sensitive signaling pathways	Redox / Cell Signaling	Thurs, Nov 16	076	
Andrei Zhuravlev <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	077	
Sofia Abramo <i>Universidad de la República Uruguay</i>	Lipoxygenase isoforms in human macrophage phenotypes	Inflammation and Immunity	Thurs, Nov 16	079	
Steven Bottle <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	080	

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Belal Chami <i>The University of Sydney Australia</i>	Can myeloperoxidase alone initial early stages of colitis?	Inflammation and Immunity	Thurs, Nov 16	081	
Damián Estrada <i>Universidad de la República Uruguay</i>	Mitochondrial O ₂ ^{•-} -induced phosphatidylserine externalization in <i>T. cruzi</i> modulates the immune response in the acute phase of Chagas disease.	Inflammation and Immunity	Thurs, Nov 16	083	
James Galligan <i>University of Arizona United States</i>	Lactoylglutathione mediates protein lactoylation and inflammatory signaling.	Inflammation and Immunity	Thurs, Nov 16	084	
Melina Ioannidis <i>University of Groningen Netherlands</i>	Deciphering the immunomodulatory effects of 4-hydroxynonenal in human macrophages	Inflammation and Immunity	Thurs, Nov 16	085	
Yuki Kanome <i>Shiba 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	086	
Felix Lamontagne <i>CRCHUM - Université de Montréal Canada</i>	DUOX2 suppresses programmed cell death in airway epithelial cells infected by respiratory syncytial virus	Inflammation and Immunity	Thurs, Nov 16	087	
Antonio Martínez-Ruiz <i>Instituto de Investigación Sanitaria Spain</i>	New roles of mitochondrial Na ⁺ import by the Na ⁺ /Ca ²⁺ exchanger NCLX: activation of the HIF pathway and of the NLRP3 inflammasome	Inflammation and Immunity	Thurs, Nov 16	089	
Tanecia Mitchell <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	090	
Tamara Ortiz-Cerda <i>The University of Sydney Australia</i>	Protective activity of natural products curcumin, <i>Amomum villosum</i> and <i>Hedyotis diffusa</i> in an animal model of Inflammatory Bowel Disease	Inflammation and Immunity	Thurs, Nov 16	091	
Cynthia Paz-Trejo <i>CRCHUM - Université de Montréal Canada</i>	Redox regulation of IFN γ -mediated gene expression	Inflammation and Immunity	Thurs, Nov 16	092	
Leslie Poole <i>Wake Forest University School of United States</i>	Compromise of mitochondrial thiol reductase systems by MitoCDNB magnifies immune cell responses to inflammatory stimuli	Inflammation and Immunity	Thurs, Nov 16	093	
Sunil Kumar Raghav <i>Institute of Life Sciences India</i>	NCoR1 and SMRT balances immune tolerance and inflammation in dendritic cells by fine-tuning metabolism	Inflammation and Immunity	Thurs, Nov 16	094	



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Dario Ramirez <i>Laboratory of Experimental and Argentina</i>	Nrf-2: a critical target to reduce obesity-associated metabolic risk	Inflammation and Immunity	Thurs, Nov 16	095	
Railmara Silva <i>Universidade de São Paulo Brazil</i>	Uric Acid Oxidation Products Correlate with Sepsis and Promote Modification on Serum Albumin in Intensive Care Unit Patients	Inflammation and Immunity	Thurs, Nov 16	097	
Andrea Vallese <i>University of Ferrara Italy</i>	The pathogenic axis between mitochondrial dysfunction and NLRP3 inflammasome activation in Autism Spectrum Disorder	Inflammation and Immunity	Thurs, Nov 16	098	
Murugesan Velayutham <i>West Virginia University United States</i>	Oxidative Stress Paradox and COVID-19 Vaccination	Inflammation and Immunity	Thurs, Nov 16	099	
Kangzhe Xie <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	100	
Scott Yeudall <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 Cytotoxic Cell Disease	Inflammation and Immunity	Thurs, Nov 16	101	
Sidorela Zefi <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	102	
Samrajni Banerjee <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	103	
Aya Darawsha <i>Ben-gurion University Israel</i>	Mechanisms involved in the protective effect of carotenoids, polyphenols and estradiol in human skin cells under mitochondrial oxidative stress	Aging	Thurs, Nov 16	104	
Javier Estrada <i>SUNY Albany United States</i>	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	105	
Milos Filipovic <i>Leibniz Institute for Analytical Sciences, Germany</i>	Global persulfidome changes in aging C. elegans	Aging	Thurs, Nov 16	106	
Florian Gruber <i>Medical University of Vienna 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	107	

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Robert Heaton <i>the University of Liverpool United Kingdom</i>	Regulation of Peroxiredoxin Oxidation for the Maintenance of Muscle Mass and Function in Ageing	Aging	Thurs, Nov 16	108	
Romina Higa <i>Universidad de Buenos Aires Argentina</i>	Advanced maternal age increases oxidative status of the decidua during early pregnancy in rats	Aging	Thurs, Nov 16	109	
Martín Hugo <i>Health and Medical University, 14471 Germany</i>	Persulfidation Rescues Proteasome Activity Loss Caused By Oxidative Stress	Aging	Thurs, Nov 16	110	
Samantha Jones <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	111	
Mina Königsberg <i>Universidad Autónoma Metropolitana. Mexico</i>	Correlation of serum markers of inflammation, oxidative stress, and brain alterations with cognitive impairment in elderly women with obesity.	Aging	Thurs, Nov 16	112	
Elizabeth Ledgerwood <i>University of Otago New Zealand</i>	Peroxiredoxins as markers of redox homeostasis in studies of human ageing	Aging	Thurs, Nov 16	113	
Norma Lopez-Diazguerrero <i>Universidad Autónoma Metropolitana Mexico</i>	GSH/GSSG ratio after senomorphic or senolytic treatments during Obesity in Middle-Aged Female Wistar Rats	Aging	Thurs, Nov 16	114	
Eduardo Fuentes <i>Universidad de Talca Chile</i>	High Percentage of Sarcopenia in Frail Elderly People	Aging	Thurs, Nov 16	115	
Rodrigo A Quintanilla <i>Universidad Autonoma de Chile Chile</i>	Contribution of tau protein on the cognitive loss and hippocampal mitochondrial impairment during aging	Aging	Thurs, Nov 16	116	
Anna Pawlak <i>Jagiellonian University, Faculty of Poland</i>	Role of 2,4-Heptadienal, product of n-3 polyunsaturated fatty acids oxidation, in photoreactivity of peroxidised docosahexaenoate.	Aging	Thurs, Nov 16	117	
Natalia Penatti <i>Instituto Butantan Brazil</i>	Cross-talk between mitochondria and proteasome in the maintenance of chronological lifespan in <i>S. cerevisiae</i> cells	Aging	Thurs, Nov 16	118	
Raghavan Raju <i>Medical College of Georgia United States</i>	Age-dependent Antioxidant Effect of Plasma Extracellular Vesicles and their MicroRNA Profiles	Aging	Thurs, Nov 16	119	

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Martha Sanchez-Rodriguez <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	120	
Eduardo Fuentes <i>Universidad de Talca Chile</i>	Role of Oxylipins as a Plasma Biomarker of Frail Older People in Women	Aging	Thurs, Nov 16	121	
Margaret Mouro <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	122	
Francisco Villarreal <i>UCSD United States</i>	Effects of (+)-Epicatechin on Mitochondrial Biogenesis and Function in Skeletal Muscle of Aged Rats	Aging	Thurs, Nov 16	123	
Hongwei Yao <i>Brown University United States</i>	Ontogeny and contribution of cellular senescence to normal lung development	Aging	Thurs, Nov 16	124	
Andressa Amaral <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	125	
Gloria Benavides <i>University of Alabama at Birmingham United States</i>	Mitochondrial Dysfunction in Alzheimer's Diseases.	Metabolism/Bioenergetics	Fri, Nov 17	127	
Vanessa Bortoluzzi <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 brain of young rats	Metabolism/Bioenergetics	Fri, Nov 17	128	
Daniel Colon Hidalgo <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	129	
Julian David Cualcialpud Serna <i>Universidade de São Paulo Brazil</i>	Mitochondrial Ca ²⁺ and functional adaptations to nutritional signals: insights from caloric restriction	Metabolism/Bioenergetics	Fri, Nov 17	130	
Laura Doblado Bueno <i>Instituto de Investigaciones Biomédicas Spain</i>	ROS induced mitochondrial hormesis partially protects from SGAs mitochondrial toxicity and cardiovascular disease	Metabolism/Bioenergetics	Fri, Nov 17	131	
Ufuk Ersoy <i>University of Liverpool United Kingdom</i>	Prolonged dietary protein restriction accelerates skeletal muscle loss and reduces muscle fibre size by impairing proteostasis and mitochondrial homeostasis	Metabolism/Bioenergetics	Fri, Nov 17	132	

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Pablo Andres Evelson <i>Universidad de Buenos Aires Argentina</i>	The lens as a target of oxidative damage in glaucoma	Metabolism/Bioenergetics	Fri, Nov 17	133	
Mariana Fernandez Caggiano <i>Queen Mary University of London United Kingdom</i>	UK-5099 does not inhibit the mitochondrial pyruvate carrier through irreversible adduction to cysteine 54 in MPC2	Metabolism/Bioenergetics	Fri, Nov 17	134	
Monica Galleano <i>University of Buenos Aires Argentina</i>	Epicatechin reduces phenotypic changes, inflammation, and oxidative stress in perivascular adipose tissue of high fructose fed rats	Metabolism/Bioenergetics	Fri, Nov 17	135	
Robson Serralha <i>Universidade Federal de São Paulo Brazil</i>	The Effects of Esculin Treatment on Mitochondrial Dynamics and Epigenetics in the Early Stage of Experimental Diabetic Nephropathy	Metabolism/Bioenergetics	Fri, Nov 17	137	
Yvonne Janssen-Heininger <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	139	
Oleh Khalimonchuk <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	141	
Rachel King <i>West Virginia University United States</i>	Hyperuricemia and Allied Comorbidity is More Prevalent in Men: Does the Prostate Drive this Sex Disparity?	Metabolism/Bioenergetics	Fri, Nov 17	142	
Natalia Magnani <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	143	
Santiago Mansilla <i>Universidad de la República Uruguay</i>	Mitochondrial ROS Are Produced In Human Sperm During Capacitation	Metabolism/Bioenergetics	Fri, Nov 17	145	
Inés Marmisolle <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	146	
Jennyfer Martínez <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	147	
Ginger Milne <i>Vanderbilt University Medical Center United States</i>	Identification and Characterization of Novel F2-Isoprostane Metabolites	Metabolism/Bioenergetics	Fri, Nov 17	148	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Luis Netto <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	150	
Georgia Ohya <i>University of São Paulo Brazil</i>	Substrates Regulate Mitochondrial Calcium Transport Components in Kidney Cells	Metabolism/Bioenergetics	Fri, Nov 17	151	
Guilherme Artioli <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	152	
Oswaldo Pereira Jr <i>University of Sao Paulo Brazil</i>	ATP-Sensitive Mitochondrial K ⁺ Channels (MitoKATP) Regulate Brown Adipocyte Metabolism and Support Pre-Adipocyte Proliferation	Metabolism/Bioenergetics	Fri, Nov 17	153	
victor piccolo <i>University of Brasilia Brazil</i>	Short-term high-fat diet feeding induces cognitive decline, aggressiveness and anxiety-like behavior in adult zebrafish (Danio rerio)	Metabolism/Bioenergetics	Fri, Nov 17	154	
Debora Rocha <i>University of Sao Paulo Brazil</i>	Beta-type estradiol receptor modulates hepatocyte lipid oxidation	Metabolism/Bioenergetics	Fri, Nov 17	155	
Marianela Rodriguez-Rey <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	156	
Emma Saavedra <i>Instituto Nacional de Cardiologia Ignacio Mexico</i>	Computational modeling and Metabolic Control Analysis of the thiol metabolism in Trypanosoma cruzi	Metabolism/Bioenergetics	Fri, Nov 17	157	
Vikram Saini <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	158	
Lucia Seale <i>University of Hawaii at Manoa United States</i>	Tissue-specific reliance of glutathione peroxidases on selenocysteine lyase	Metabolism/Bioenergetics	Fri, Nov 17	159	
Abhishek Shastry <i>Queen's University Canada</i>	High Fat Diet Modulates the Skeletal Muscle Transcriptional Response in Mitochondrial DNA-Driven Cardiometabolic Disease	Metabolism/Bioenergetics	Fri, Nov 17	160	
Beatriz Silva <i>University of São Paulo Brazil</i>	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	161	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Maria Carmen Suarez Arocena <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	162	
Crystal Uvalle <i>University of Pittsburgh United States</i>	Nitro-oleic acid attenuates pro-inflammatory metabolic signaling in LPS activated macrophages	Metabolism/Bioenergetics	Fri, Nov 17	163	
Laura Beatriz Valdez <i>Universidad de Buenos Aires. Instituto de Argentina</i>	Melatonin prevents the cardiac mitochondrial dysfunction associated to early type 1 Diabetes	Metabolism/Bioenergetics	Fri, Nov 17	164	
Eloisa Aparecida Vilas Boas <i>University of Sao Paulo Brazil</i>	A practical and robust method to evaluate metabolic fluxes in isolated pancreatic islets	Metabolism/Bioenergetics	Fri, Nov 17	166	
Mia Wilkinson <i>Queen's University - Kingston Canada</i>	Platelet Bioenergetics as a Liquid Biopsy for Cardiometabolic Disease	Metabolism/Bioenergetics	Fri, Nov 17	167	
Liang-Jun Yan <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	168	
Imad Al Ghouleh <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	169	
Luiz Bechara <i>University of Sao Paulo Brazil</i>	Mitochondrial Formyl Peptide Attenuates Cardiac Damage Induced By Ischemia/Reperfusion Injury	Cardiovascular and Pulmonary	Fri, Nov 17	170	
Weiyu Chen <i>The Heart Research Institute Australia</i>	Bilirubin Deficiency Destabilizes Atherosclerotic Plaque Associated With An Increase In Arterial Inflammation And Oxidative Stress	Cardiovascular and Pulmonary	Fri, Nov 17	171	
Priscilla Cristine de Oliveira Mineiro <i>Universidade Federal do Rio de Janeiro Brazil</i>	ASK1 inhibition reduced elastase-induced pulmonary emphysema in mice	Cardiovascular and Pulmonary	Fri, Nov 17	172	
Littlele Cruz <i>University of São Paulo Brazil</i>	Identification of brominated extracellular matrix proteins in idiopathic pulmonary fibrosis tissues	Cardiovascular and Pulmonary	Fri, Nov 17	173	
Kristine Danielyan <i>National Academy of Science of Republic Armenia</i>	Tannin- albumin particles as the stable carriers of the medicines	Cardiovascular and Pulmonary	Fri, Nov 17	174	



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Veronica Dannunzio <i>Universidad de Buenos Aires Argentina</i>	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	175	
Michael Davies <i>University of Copenhagen Denmark</i>	Modulation of chlorination and nitration by myeloperoxidase in cardiovascular disease	Cardiovascular and Pulmonary	Fri, Nov 17	176	
Michael Davies <i>University of Copenhagen Denmark</i>	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	177	
Michael Davies <i>University of Copenhagen Denmark</i>	Proteomic analysis of extracellular matrix of human atherosclerotic plaques shows marked changes between plaque types	Cardiovascular and Pulmonary	Fri, Nov 17	178	
Victor Debbas <i>Heart Institute/ FMUSP Brazil</i>	Thiol sulfenylation plays a role on actin cytoskeleton reorganization during vascular contraction	Cardiovascular and Pulmonary	Fri, Nov 17	179	
Evan DeVallance <i>West Virginia University United States</i>	Hemin and Free Iron Trigger Transcriptional Upregulation and Lysosomal-Dependent Export of Xanthine Oxidoreductase from Hepatocytes	Cardiovascular and Pulmonary	Fri, Nov 17	180	
José Lillo-Moya <i>University of Chile Chile</i>	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	181	
Renato Gaspar <i>University of São Paulo Brazil</i>	Protein disulphide isomerase A1 (PDI) supports platelet-endothelium interaction in hyperglycaemia: impacts on endothelial membrane biophysics and secretion of adhesion-related proteins	Cardiovascular and Pulmonary	Fri, Nov 17	182	
Stacy Gelhaus <i>University of Pittsburgh United States</i>	Nitro-fatty acids: a pleiotropic therapy for asthma	Cardiovascular and Pulmonary	Fri, Nov 17	183	
Dean Jones <i>Emory University United States</i>	Vanadium-dependent protein S-glutathionylation in lung fibrosis	Cardiovascular and Pulmonary	Fri, Nov 17	185	
José Lillo-Moya <i>University of Chile Chile</i>	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	186	
Mosi Lin <i>St. John's University United States</i>	Friend or Foe – The Potential Mechanisms of Nicotine's Protective Role in COVID-19	Cardiovascular and Pulmonary	Fri, Nov 17	187	

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Camilo Lopez <i>Pontificia Universidad Católica de Chile</i> Chile	Production of carbonyl groups in the plasma of neonates is inversely associated with gestational age and O2 requirement	Cardiovascular and Pulmonary	Fri, Nov 17	188	
Melina López Sciarra <i>Goethe-University</i> Germany	Endothelial Cytochrome P450 Reductase-Derived Cholesterol Limits Angiogenesis	Cardiovascular and Pulmonary	Fri, Nov 17	189	
Ricardo Massucatto <i>University of Sao Paulo</i> Brazil	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	190	
Romina Medeiros Figueredo <i>Facultad de Química, Universidad de la</i> Uruguay	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	191	
Eduardo Fuentes <i>Universidad de Talca</i> 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	192	
Eduardo Fuentes <i>Universidad de Talca</i> Chile	In vitro antiplatelet activity and characterization of Hallado Aleman bean	Cardiovascular and Pulmonary	Fri, Nov 17	193	
Matthias Oelze <i>University Medical Center of the</i> 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	194	
Matthias Oelze <i>University Medical Center of the</i> Germany	Attenuation of aircraft noise-induced vascular dysfunction and oxidative stress by exercise, fasting and pharmacological activation of α 1AMPK or NRF2/HO1 pathway	Cardiovascular and Pulmonary	Fri, Nov 17	195	
I. Mark Olfert <i>West Virginia University</i> United States	Electronic Cigarette Stimulates Extracellular Vesicles and Redox Biology	Cardiovascular and Pulmonary	Fri, Nov 17	196	
Marissa Pokharel <i>Florida International University</i> United States	Targeting the mitochondrial fission-mediator Drp1 is a potential therapeutic strategy for ventilator induced lung injury	Cardiovascular and Pulmonary	Fri, Nov 17	198	
Irfan Rahman <i>University of Rochester</i> United States	Fibroblast senescence in radiation induced pulmonary fibrosis	Cardiovascular and Pulmonary	Fri, Nov 17	199	
Karina Ricart <i>University of Alabama at Birmingham</i> United States	Role of Halogenated Lipids in Inflammatory Lung Disease	Cardiovascular and Pulmonary	Fri, Nov 17	200	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Beatriz Sanchez Calvo <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	201	
Briana Shimada <i>University of Hawaii at Manoa United States</i>	High-fat, Selenium Deficient Diet Reduces Glutathione Peroxidase in the Hearts of Selenocysteine Lyase Knockout Mice	Cardiovascular and Pulmonary	Fri, Nov 17	202	
Matthew Ryan Smith <i>Emory University United States</i>	Metabolic Dysregulation in Group 3 Pulmonary Hypertension	Cardiovascular and Pulmonary	Fri, Nov 17	203	
Christina Sul <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 S.aureus Pneumonia	Cardiovascular and Pulmonary	Fri, Nov 17	204	
Andrea Szuchman-Sapir <i>MIGAL Research Institute & Tel-Hai Israel</i>	Molecular regulation of endothelial and vascular dysfunction by lipid lactone mediators	Cardiovascular and Pulmonary	Fri, Nov 17	205	
Albert van der Vliet <i>University of Vermont United States</i>	A Unique Role for Dual Oxidase 1 (DUOX1) in Macrophage Recruitment and Profibrotic Activation During Pulmonary Fibrosis	Cardiovascular and Pulmonary	Fri, Nov 17	206	
Joao Wosniak Jr <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	207	
Hongwei Yao <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	208	
Caitlin Pavelec <i>University of Virginia United States</i>	scFv-E06 Expression Drives Cardiometabolic Protection in Heart Failure with Preserved Ejection Fraction	Cardiovascular and Pulmonary	Fri, Nov 17	209	
Tamara Zaobornyj <i>Universidad de Buenos Aires Argentina</i>	Remote ischemic preconditioning prevents sarcolemmal associated proteolysis through MMP-2 inhibition	Cardiovascular and Pulmonary	Fri, Nov 17	210	
Marcelo Bonini <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	211	
Dennis Braden <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	212	



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Sharon campbell <i>University of North Carolina United States</i>	Characterization of Kinetic and Redox Properties of Oncogenic KRASG12C Inhibitors	Cancer	Fri, Nov 17	213	
Luksana Chaiswing <i>University of Kentucky United States</i>	Extraction of Redox Extracellular Vesicles using Exclusion-Based Samples Preparation	Cancer	Fri, Nov 17	214	
Matthew Chapa <i>West Virginia University United States</i>	Why do Cancer Cells Down-Regulate Xanthine Oxidoreductase (XOR)?	Cancer	Fri, Nov 17	215	
Ramona Clemen <i>ZIK plasmatis, Leibniz Institute for Plasma Germany</i>	Oxidation Augments Immunogenicity of Tumor-Associated Antigens	Cancer	Fri, Nov 17	216	
Melissa Fath <i>University of Iowa United States</i>	Targeting CXCR4 and Thioredoxin Reductase in High Grade Neuroendocrine Tumors & Neuroendocrine Carcinomas	Cancer	Fri, Nov 17	217	
Radosveta Gencheva <i>Karolinska Institutet 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	218	
Lisa Hong <i>University of Pittsburgh United States</i>	Utilizing Nitrated Fatty Acids to Overcome PARPi resistance in TNBC	Cancer	Fri, Nov 17	220	
Lisa Hong <i>University of Pittsburgh United States</i>	Targeting p62 cysteine oxidation in autophagy by nitro-fatty acids	Cancer	Fri, Nov 17	221	
Riley Hughes <i>Weill Cornell Medicine United States</i>	tRNA thio-Uridine Modifications in Stress Resistance and Metastasis	Cancer	Fri, Nov 17	222	
Elíecer Jiménez-Charris <i>Universidad del Valle Colombia</i>	Pllans-II: A promising prototype for targeted therapy in cervical cancer	Cancer	Fri, Nov 17	223	
Aaron Johnson <i>University of Pittsburgh United States</i>	Myoglobin Decreases Breast Cancer Cell Mitochondrial Metabolism and Migration through Oxidant Production	Cancer	Fri, Nov 17	224	
Kazuhiro Kato <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	225	

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Oleh Khalimonchuk <i>University of Nebraska-Lincoln United States</i>	Targeting Mitochondrial CLPXP Protease in Breast Cancer with Engineered Cyclic Acyldepsipeptide Antibiotics	Cancer	Fri, Nov 17	226	
Kia Liermann-Wooldrik <i>University of Nebraska Medical Center United States</i>	Irradiated Adipocytes Secrete Factors Inducing a Migratory Phenotype in Prostate Cancer Cells	Cancer	Fri, Nov 17	227	
Leticia Lopes Dantas Santos <i>Federal University of Uberlandia Brazil</i>	Revolutionizing Breast Cancer Patient Management: Analysis of R-SH Quantification Unveils Redox Imbalance Signatures in Advanced Metastatic Breast Cancer	Cancer	Fri, Nov 17	228	
Hirofumi Matsui <i>university of TSUKUBA Japan</i>	A novel cancer therapy using proton beam: an integrated proton-dynamic therapy, iPDT	Cancer	Fri, Nov 17	229	
Caitlin Miller <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	230	
Mariam Mohammad Hashim <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	231	
Allison Moreno Samayoa <i>University of Arizona United States</i>	Hydrogen Sulfide: Beneficial or Detrimental for Cancer Cells?	Cancer	Fri, Nov 17	232	
Molly Myers <i>University of Nebraska Medical Center United States</i>	BMX-001 can reverse radiation-induced fibroblast activation and senescence	Cancer	Fri, Nov 17	233	
Marina Nogueira <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	234	
Alfonso Pompella <i>Universita' di Pisa Italy</i>	Exosomal Glutathione S-transferase Omega-1 (GSTO1-1) Can Effect the Inter-Cell Transfer of Cisplatin Resistance.	Cancer	Fri, Nov 17	235	
Mekhla Singhania <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	236	
harold m swartz <i>Dartmouth United States</i>	Enhancing Cancer Therapy by Repeated Measurements of Oxygen in Tumors	Cancer	Fri, Nov 17	237	

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Priscilla Tang <i>University of Pittsburgh United States</i>	SIRT3/SOD2/H2O2-mediated redox signaling supports ovarian cancer anchorage-independence	Cancer	Fri, Nov 17	238	
Yuxiao Tang <i>second military medical university China</i>	Iron deficiency in liver tumors promote its angiogenesis	Cancer	Fri, Nov 17	239	
Domenica Tarallo <i>Facultad de Medicina, Universidad de la Uruguay</i>	Mitofusin 1 Silencing Decreases the Senescent Associated Secretary Phenotype, Promotes Immune Cell Recruitment and Delays Melanoma Tumor Growth After Chemotherapy	Cancer	Fri, Nov 17	240	
Shinya Toyokuni <i>Nagoya University Graduate School of Japan</i>	Role of Iron, Oxygen and Ferroptosis in Tumor Evolutionary Biology	Cancer	Fri, Nov 17	241	
Ester Zito <i>Mario Negri Institute of pharmacological Italy</i>	Covalent inhibition of the endoplasmic reticulum oxidoreductase ERO1 for effective breast cancer therapy	Cancer	Fri, Nov 17	242	
Felipe Ávila <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 AGC Cells	Chemical Biology	Sat, Nov 18	244	
Dayana Benchoam <i>Universidad de la República Uruguay</i>	Persulfides in Low Molecular Weight Compounds and in Proteins	Chemical Biology	Sat, Nov 18	245	
Mariana Bonilla <i>Institut Pasteur Montevideo Uruguay</i>	Development of a genetically-encoded biosensor to monitor an H2S-related metabolite	Chemical Biology	Sat, Nov 18	246	
ADDOUN Boutaina <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	247	
Stella Boutris Jayme <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	248	
Giuliana Cardozo <i>Universidad de la República, Uruguay Uruguay</i>	Characterizing A Novel Fluorescent Biosensor Based On Human Peroxiredoxin 3 And A Redox Sensitive GFP	Chemical Biology	Sat, Nov 18	250	
Harinath Chakrapani <i>Indian Institute of Science Education and India</i>	Precision Tools to Modulate Mitochondrial and Cytosolic Sulfane Sulfur	Chemical Biology	Sat, Nov 18	251	

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Cecilia Chavarría <i>Universidad de la República, Facultad de Uruguay</i>	The fluorescence quenching of Green Fluorescence Protein by long-distance effects of 3-nitrotyrosine residues	Chemical Biology	Sat, Nov 18	252	
Ohara Augusto <i>Instituto de Química, Universidade de Brazil</i>	Additional insights on the mechanism by which CO ₂ /bicarbonate accelerates PTP1B oxidation mediated by hydrogen peroxide	Chemical Biology	Sat, Nov 18	253	
Yazmin Contreras <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	255	
Lucia Coppo <i>Karolinska Institute Sweden</i>	Beware of the kat among the proteins	Chemical Biology	Sat, Nov 18	256	
Nadia Cruz <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>)	Chemical Biology	Sat, Nov 18	257	
Mauricio Baptista <i>Chemistry Institute Brazil</i>	The endogenous photosensitizers and the skin redoxome	Chemical Biology	Sat, Nov 18	258	
Adely De la Pena <i>Universidad San Sebastián Chile</i>	Galectin-8-Mediated Mitochondrial Dynamics: Implications for Cellular Homeostasis	Chemical Biology	Sat, Nov 18	259	
Adriana dos Santos Lopes <i>University of São Paulo Brazil</i>	Seasonality Influence on the Antioxidant System of <i>Isotachis aubertii</i> (Schwägr.) Mitt. (Balantiopsidaceae)	Chemical Biology	Sat, Nov 18	261	
Amanda Farhat <i>University of Sao Paulo Brazil</i>	Generation And Detection Of Singlet Oxygen (¹ O ₂) By Upconversion Nanoparticles (UCNP)	Chemical Biology	Sat, Nov 18	262	
Heryerli Fernandez <i>UNLP-INIFTA Argentina</i>	Antioxidant Properties of Vainillin during Photosensitized Oxidation of Biomolecules	Chemical Biology	Sat, Nov 18	263	
Nazarena Fernandez <i>Universidad de Buenos Aires Argentina</i>	Mitochondrial Localization of AQP9 in Preeclamptic Placentas	Chemical Biology	Sat, Nov 18	264	
Emerson Finco Marques <i>University of Sao Paulo Brazil</i>	Reactive Oxygen Species (ROS) Involvement in the Oxidation and Aggregation of Proteins in the eyes	Chemical Biology	Sat, Nov 18	265	

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Ma. Guadalupe Gutiérrez Escobedo <i>Instituto Potosino de Investigación Mexico</i>	Redox pathways in Candida glabrata	Chemical Biology	Sat, Nov 18	267	
Marcela Haberkorn <i>Facultad de Medicina, Universidad de la Uruguay</i>	Oxidative Inactivation of Human Glutamine Synthetase: Defining the Role of Tyrosine Nitration	Chemical Biology	Sat, Nov 18	268	
Alex Inague <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	269	
Hiromu Ito <i>National Institutes for Quantum Science Japan</i>	Analysis of a planar catechin analog on cancer cellular inhibition	Chemical Biology	Sat, Nov 18	270	
Maria Juliana Juncos <i>Fundación Instituto Leloir Argentina</i>	YgaV-mediated sulfane sulfur homeostasis in Escherichia coli	Chemical Biology	Sat, Nov 18	272	
Demetrios Kouretas <i>University of Thessaly Greece</i>	Emerging Concepts And Challenges In Nanotoxicology: The Role Of Oxidative Stress In Nanomaterial-Induced Toxicity	Chemical Biology	Sat, Nov 18	273	
Lukas Lang <i>RPTU Kaiserslautern-Landau Germany</i>	Kinetic and thermodynamic characterization of the roGFP2- Grx redox sensor at molecular level	Chemical Biology	Sat, Nov 18	274	
RENATO LECA <i>Universidade Federal de Sao Paulo Brazil</i>	Assessment of Vitamin D3 Levels in Tear, Saliva and Plasma	Chemical Biology	Sat, Nov 18	275	
Janina Lenzi Camisa <i>Universidad de la República Uruguay</i>	Reaction of omeprazole with H ₂ S	Chemical Biology	Sat, Nov 18	276	
José Lillo-Moya <i>University of Chile Chile</i>	Proposal of a new fluorimetric assay to measure the antioxidant drug vitamin C in human plasma	Chemical Biology	Sat, Nov 18	277	
Edlaine Linares <i>Universidade de São Paulo Brazil</i>	Production of peroxy-monocarbonate evidenced by boronate probes under steady-state micromolar H ₂ O ₂ and in PMA- activated macrophages	Chemical Biology	Sat, Nov 18	278	
Ana Clara López <i>Facultad de Ciencias, Universidad de la Uruguay</i>	Oxidative Stress on the Membrane of Red Blood Cells Stored for Transfusion	Chemical Biology	Sat, Nov 18	279	

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Camilo Lopez <i>Pontificia Universidad Católica de Chile</i> <i>Chile</i>	The competitive oxidation of key enzymes of the pentose phosphate pathway by peroxy radicals modulates NADPH production	Chemical Biology	Sat, Nov 18	280	
Carolina Lorente <i>Universidad Nacional de La Plata</i> <i>Argentina</i>	Avoiding one-electron oxidation of tyrosine by DOPA	Chemical Biology	Sat, Nov 18	281	
Agustin Lucini Mas <i>Instituto de Bioquímica y Medicina</i> <i>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	282	
Santiago Mansilla <i>Universidad de la República</i> <i>Uruguay</i>	Structural Studies On The Redox-Sensitive Mitochondrial Aconitase And Its interaction With Frataxin	Chemical Biology	Sat, Nov 18	283	
Ken-ichiro Matsumoto <i>National Institutes for Quantum Science</i> <i>Japan</i>	An Approach for Estimating Oxygen Consumption in Tissues Based on TOLD MRI Signal	Chemical Biology	Sat, Nov 18	285	
Nathalia Medeiros <i>Universidade de São Paulo</i> <i>Brazil</i>	Evaluation of NO Release Capability from Dinitrosyl Iron Complexes (DNIC) Containing Biomolecules as Ligands in Aqueous Media	Chemical Biology	Sat, Nov 18	287	
Marcela Morales Saavedra <i>Pontificia Universidad Católica de Chile</i> <i>Chile</i>	Obtaining of enriched di-tryptophan fractions by gamma irradiation of free tryptophan solutions	Chemical Biology	Sat, Nov 18	289	
Eduardo Fuentes <i>Universidad de Talca</i> <i>Chile</i>	Evaluation of the Antiplatelet Activity of Tricyclic Acyl Hydroquinone Derivatives	Chemical Biology	Sat, Nov 18	290	
Rafaela Oliveira Nascimento <i>University of São Paulo</i> <i>Brazil</i>	Investigation of the reactive species responsible for dehydromethionine formation in model systems and in activated neutrophils	Chemical Biology	Sat, Nov 18	291	
Cristian O'Flaherty <i>McGill University and The Research</i> <i>Canada</i>	Oxidative Stress Promotes Changes in Gut Microbiota and impairs Male Fertility	Chemical Biology	Sat, Nov 18	292	
Florencia Orrico <i>Facultad de Ciencias, Universidad de la</i> <i>Uruguay</i>	Hydrogen peroxide diffusion across the red blood cell membrane	Chemical Biology	Sat, Nov 18	294	
Arthur Pinho <i>Universidade de São Paulo</i> <i>Brazil</i>	Thioredoxin 1 (<i>S. cerevisiae</i>) Bind Dinitrosyl Iron Complex (DNIC) in Aqueous Media.	Chemical Biology	Sat, Nov 18	295	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Mikaela Pinz <i>University of Sao Paulo Brazil</i>	Characterization of a fluorescent biosensor with specificity for organic peroxides	Chemical Biology	Sat, Nov 18	296	
Natalia Rios <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	297	
Lyanne Rodríguez Pérez <i>Universidad de Talca Chile</i>	Synthesis and antiplatelet activity of nitrated fatty acids from tomato pomace	Chemical Biology	Sat, Nov 18	298	
Eduardo Fuentes <i>Universidad de Talca Chile</i>	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	299	
Laura Romanelli Cedrez <i>Institut Pasteur de Montevideo Uruguay</i>	Rhodoquinone as a key Molecule for Sulfide, Cyanide and Pathogen Response in Caenorhabditis elegans	Chemical Biology	Sat, Nov 18	300	
Christian Saporito <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	301	
Santiago Sastre <i>Universidad de la República Uruguay</i>	Biochemical, structural and mechanistic characterization of Mycobacterium tuberculosis methionine sulfoxide reductase A	Chemical Biology	Sat, Nov 18	302	
Bianca Scigliano Vargas <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	303	
Meg Shieh <i>Brown University United States</i>	Transforming H ₂ S to H ₂ S ₂ by a Redox Reversible Booster System	Chemical Biology	Sat, Nov 18	304	
Adam Sikora <i>Lodz University of Technology Poland</i>	The reaction of glutathione-derived dinitrosyl iron complex and superoxide radical anion - the detection and quantitation of peroxyxynitrite	Chemical Biology	Sat, Nov 18	305	
Romuel Silva <i>Universidade federal de Santa Catarina Brazil</i>	Optimization of differential ultracentrifugation for the purification of small extracellular vesicles from human biological fluids	Chemical Biology	Sat, Nov 18	306	
Martín Sosa <i>Universidad de la República Uruguay</i>	Inhibition of Echinococcus granulosus Thioredoxin Glutathione Reductase by Nitro-oleic Acid	Chemical Biology	Sat, Nov 18	307	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Martina Steglich <i>Universidad de la República</i> <i>Uruguay</i>	Human glutathione transferases catalyze the inactivation of nitrooleic acid	Chemical Biology	Sat, Nov 18	308	
Giovana Punaro <i>Universidade Federal de São Paulo</i> <i>Brazil</i>	Biochemical Effects And miRNAs Profile In Type 2 Diabetic Patients After Açai Juice Supplementation	Chemical Biology	Sat, Nov 18	309	
Eduardo Fuentes <i>Universidad de Talca</i> <i>Chile</i>	Effect of Alkyl Chain Length on the Antiplatelet Activity of Gentisic Acid Esters Conjugated with Triphenylphosphonium.	Chemical Biology	Sat, Nov 18	311	
Douglas Thomas <i>University of Illinois at Chicago</i> <i>United States</i>	Nitric oxide inhibits FTO demethylase activity to regulate N6-methyladenosine mRNA methylation	Chemical Biology	Sat, Nov 18	312	
Sebastian Villar Rodriguez <i>Facultad de Ciencias, UdelaR</i> <i>Uruguay</i>	An Incisive Look at the Reduction of 2Cys Peroxiredoxins by Thioredoxins	Chemical Biology	Sat, Nov 18	314	
Laszlo Virag <i>University of Debrecen</i> <i>Hungary</i>	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	315	
Irene Wood <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	316	
Matías Zapata Lizama <i>Universidad de Santiago de Chile</i> <i>Chile</i>	Free radical oxidation of antimicrobial peptides in phospholipid membranes	Chemical Biology	Sat, Nov 18	317	
Ari Zeida <i>Facultad de Medicina, UDELAR</i> <i>Uruguay</i>	Role of Thiol Redox Status in SARS-CoV2 Spike Glycoprotein Recognition by the Host Receptor ACE2	Chemical Biology	Sat, Nov 18	318	
Jacek Zielonka <i>Medical College of Wisconsin</i> <i>United States</i>	Specific Fluorescence-Based Detection of Peroxynitrite via Fluorogenic Cyclization Reaction	Chemical Biology	Sat, Nov 18	319	
Plamena R. Angelova <i>University College London</i> <i>United Kingdom</i>	Interplay of mitochondrial calcium and ROS as a trigger of carbon monoxide-induced brain damage	Environmental Toxicology/Pharmacology	Sat, Nov 18	320	
Verena Araújo <i>Facultad de Medicina - Universidad de la Uruguay</i>	Composition, bioavailability and bioactivity of galloylated flavan-3-ols from <i>Vitis vinifera</i> L.cv. Tannat pomace	Environmental Toxicology/Pharmacology	Sat, Nov 18	321	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Marcelo Bonini Northwestern University United States	Exposure to heavy metals induce nuclear ROS-dependent luminal to basal transition in breast cancer cells	Environmental Toxicology/Pharmacology	Sat, Nov 18	322	
Jared Brown University of Colorado Anschutz Medical United States	A Case for Amorphous Silica Nanoparticle Exposure in the Development of Chronic Kidney Disease of Unknown Etiology	Environmental Toxicology/Pharmacology	Sat, Nov 18	323	
Mauricio Baptista Chemistry Institute Brazil	The action spectra of visible light and the skin redoxome	Environmental Toxicology/Pharmacology	Sat, Nov 18	324	
Andreas Daiber 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	325	
Evan DeVallance 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	326	
Samuel dos Santos Valenca Universidade Federal do Rio de Janeiro Brazil	ASK1 Regulates Bleomycin-induced Pulmonary Fibrosis	Environmental Toxicology/Pharmacology	Sat, Nov 18	327	
Ann Barry Flood Dartmouth College United States	Physical Biodosimetry for Triage in Large-scale Radiation Events	Environmental Toxicology/Pharmacology	Sat, Nov 18	328	
Agustina Freire 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	329	
María del Carmen García-Rodríguez Universidad Nacional Autónoma de Mexico	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	330	
Thais Satie Iijima Chemistry Institute, Universidade de São Brazil	Search for Novel Human 15-Lipoxygenase-2 (h15-LOX-2) Inhibitors	Environmental Toxicology/Pharmacology	Sat, Nov 18	331	
Natalia Magnani Universidad de Buenos Aires Argentina	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	332	
Marjorie Marin University of Massachusetts Amherst United States	Investigating the Role of Perfluorooctanesulfonic Acid (PFOS) Exposure on Insulin Biosynthesis in Pancreatic β TC-6 Cells.	Environmental Toxicology/Pharmacology	Sat, Nov 18	333	



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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Bhagavatula Moorthy <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	334	
Katherine Morton <i>Duke University United States</i>	Investigating the role of the glyoxylate shunt in protection from Complex I inhibitor induced dopaminergic neurodegeneration in <i>C. elegans</i>	Environmental Toxicology/Pharmacology	Sat, Nov 18	335	
Sofia Reynoso <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	336	
Anurag Sharma <i>Nitte University Centre for Science India</i>	Role of Hematopoietic 'Niche' in Benzene-Induced Hematopoietic Emergency: Lesson from <i>Drosophila</i>	Environmental Toxicology/Pharmacology	Sat, Nov 18	337	
Andrey Y. Abramov <i>University College London United Kingdom</i>	Triggering oxidative stress by misfolded proteins in the mechanism of neurodegeneration	Neurodegenerative Disease	Sat, Nov 18	338	
Adriana Alarcón-Aguilar <i>Universidad Autónoma Metropolitana. Mexico</i>	Methotrexate preconditioning protects primary rat astrocytes against lethal oxidative stress	Neurodegenerative Disease	Sat, Nov 18	339	
Eugenio Barone <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	340	
Marla Berry <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	341	
Júlia Maria de Almeida Silvino <i>University of São Paulo Brazil</i>	Exploring ALS-Linked P56S Mutation Effects on Disulfide Bond Formation in VAPB using <i>Saccharomyces cerevisiae</i> as a Model	Neurodegenerative Disease	Sat, Nov 18	343	
Roberto Di Maio <i>University of Pittsburgh United States</i>	Redox modifications of Cys30 and Cys289 prevent CaMKII β /Calmodulin interaction: relevance in Parkinson's disease.	Neurodegenerative Disease	Sat, Nov 18	344	
Larissa Diniz <i>University of São Paulo Brazil</i>	Docosahexaenoic Acid Induces Lipid Remodeling on LPS-Treated Microglia	Neurodegenerative Disease	Sat, Nov 18	345	
Eftekhar Eftekharpour <i>University of Manitoba Canada</i>	Novel Interaction of Neuronal Thioredoxin-1 with cytoskeletal machinery during neuronal autophagy	Neurodegenerative Disease	Sat, Nov 18	346	

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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Koji Fukui <i>Shibaura Institute of Technology Japan</i>	Changes in cognitive function and mitochondrial oxidation markers in AD-transgenic mice with aging	Neurodegenerative Disease	Sat, Nov 18	347	
Santiago Garcimartín <i>Universidad de la Republica - Uruguay Uruguay</i>	Nerve growth factor (NGF) nitration and changes in receptors expression following β -amyloid administration as a murine model of Alzheimer's Disease	Neurodegenerative Disease	Sat, Nov 18	348	
Viviana Greco <i>Catholic University of the Sacred Heart Italy</i>	Hydrogen sulfide as additional player in the redox dysregulation of Amyotrophic Lateral Sclerosis (ALS)	Neurodegenerative Disease	Sat, Nov 18	349	
Ming Guo <i>UCLA United States</i>	CLUH is a key molecule that controls Drp1-mediated mitochondrial fission and mitophagy	Neurodegenerative Disease	Sat, Nov 18	350	
Lucas Ferres <i>Universidade Federal de Sao Paulo Brazil</i>	The Influence Of Trimethylamine N-Oxide On Depression In A Chronic Stress Model	Neurodegenerative Disease	Sat, Nov 18	351	
Rodrigo Ivagnes <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	352	
Bárbara Krum <i>University of São Paulo Brazil</i>	Role of Aldehyde Dehydrogenase 2 in Amyotrophic Lateral Sclerosis	Neurodegenerative Disease	Sat, Nov 18	353	
Joao Laranjinha <i>University of Coimbra Portugal</i>	Cognitive enhancement via neuronal nitric oxide redox-mediated neurovascular coupling in the brain	Neurodegenerative Disease	Sat, Nov 18	354	
Ruben Lopez Vales <i>Universitat Autònoma de Barcelona Spain</i>	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	355	
Mauricio Mastrogiovanni <i>Universidad de la República Uruguay</i>	Oxidized linoleic acid metabolites are reduced in Amyotrophic Lateral Sclerosis	Neurodegenerative Disease	Sat, Nov 18	356	
Danilo Medinas <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	357	
Elena Menshchikova <i>Federal Research Center for Russian Federation</i>	Alteration of neuronal-like and glial cell functional activity via Keap1/Nrf2/ARE signaling pathway	Neurodegenerative Disease	Sat, Nov 18	358	



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Presenting Author	Abstract Title	Category	Presentation Day	Poster No.	Travel Award
Cecilia Chavarría <i>Universidad de la República, Facultad de Uruguay</i>	Urolithin A modulates microglia activation in a cellular model of neuroinflammation	Neurodegenerative Disease	Sat, Nov 18	359	
Marzia Perluigi <i>Sapienza University of Rome Italy</i>	Trisomy21 and aberrant BACH1/Nrf-2 axis: implications for neurodegeneration	Neurodegenerative Disease	Sat, Nov 18	360	
Rodrigo A Quintanilla <i>Universidad Autonoma de Chile Chile</i>	Caspase-3 cleaved tau impairs mitochondrial function through the opening of the mitochondrial permeability transition pore	Neurodegenerative Disease	Sat, Nov 18	361	
Charles Ramassamy <i>INRS - Institut Armand Frappier Canada</i>	Donepezil-loaded extracellular vesicles attenuates LPS-induced oxidative stress: in vitro and in vivo studies	Neurodegenerative Disease	Sat, Nov 18	362	
Marcela Simões Teruel <i>Universidade Federal do ABC (UFABC) Brazil</i>	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	364	