



**Poster Session
June 5, Pavilion 5**

P-1	Ascorbic acid kills breast cancer cells by reprogramming metabolism via a RedOx dependent mechanism
P-2	Tocomin reduces oxidative stress in aortae from diabetic rats and improves NO-mediated relaxation by improving eNOS expression
P-3	EPR study on radicals derived from sphingolipids and model compounds
P-4	Nitration of Fatty Acids, and the Release of Nitric Oxide from Nitrated Fatty Acids
P-5	Screening for novel inhibitors of glutathione peroxidase
P-6	Thioredoxin related protein of 14 kDa (TRP14, TXNDC17) represses Nrf2 and NFκB activities and augments HIF activation
P-7	Reactive Oxygen Species Generating Photosynthesized Ferromagnetic Iron Oxide Nanoparticle as Promising Anti-Leishmanial Agent
P-8	Characterization and quantification of protein oxidative modifications and amino acid racemization in powdered infant milk formula
P-9	Bcl-2 Phosphorylation at Serine-70 protects cancer cells from ROS-induced DNA damage and cell death by engaging the Mitochondrial Respiratory System
P-10	Oxidative stress induced by UV-B and sunlight mediated photoactivation of carbazole inhibits normal human skin cells physiology
P-11	N-acetylcysteine protects against changes in the glutathione related-system in mice brain caused by the administration of aspartame.
P-12	Mitochondrial Dihydroorotate Dehydrogenase Is Indispensable for Tumor Formation
P-13	Inhibitory Effect of Caffeic Acid Phenethyl on Adipocyte Differentiation through Regulation of Reactive Oxygen Species in 3T3-L1 Cell Model.
P-14	Effect of ginger extract on membrane potential changes and AKT activation on a peroxide-induced oxidative stress cell model
P-15	Disease protection by DNA damage responses induced by Anthracyclines
P-16	ROLE OF PEROXIREDOXINS IN THE DEVELOPMENT OF DRUG RESISTANCE IN CANCER CELLS
P-17	EXPRESSION OF GENES ENCODING NADH-OXIDASE 5 AND KEY ANTIOXIDANT ENZYMES UNDER FORMATION OF CANCER CELL RESISTANCE TO CISPLATIN
P-18	Iron-homeostasis regulation by neuronal oxygen sensors in the nematode <i>Caenorhabditis elegans</i>
P-19	Evidence for a Relationship Between a Composite Lifestyle Score and Risk of Higher Carotid Intima Media Thickness: Is There a Link to Oxidative Stress?
P-20	Immunodetecting lipoxidation: epitope mapping of HNE-modified human serum albumin using two different anti-HNE pAbs
P-21	Redox-activated mitochondrial iPLA2γ participates in fatty acid-stimulated insulin secretion
P-22	Identification of cysteine residues responsible for redox regulation of phospholipase iPLA2γ
P-23	Novel Vanillin Derivatives: an insight into their antioxidant properties

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P-24	Benznidazole induce oxidative stress, DNA damage and apoptosis in Balb-c mice-bearing Ehrlich ascites tumor
P-25	Docking studies predict GPx inhibitory mechanisms behind antitumor activity of supercritical carbon dioxide Black pepper bioactive fractions rich in piperine
P-26	Double deficiency of isocitrate dehydrogenase-1 and glucose 6-phosphate dehydrogenase hinders growth and development in <i>C. elegans</i> due to altered metabolism and redox homeostasis
P-27	Oxidized proteins in blood of patients with nephropathies of various origins
P-28	Idh2 deficiency exacerbates acrolein-induced lung injury through mitochondrial redox environment deterioration
P-29	Unbiased identification of anthracycline-mediated disease protection mechanisms
P-30	Horizontal transfer of mitochondria and dihydroorotate dehydrogenase function in respiration recovery of mtDNA deficient cancer cells
P-31	IMPACT OF PEROXYNITRITE-MEDIATED NITROSATIVE STRESS ON HUMAN SPERM CELLS
P-32	The tumor environment stabilizes c-Myc oncoprotein through its sustained phosphorylation at serine 62, which promotes its oncogenic activity
P-33	The Comparison of Vitamin E and Vitamin C Levels in Type 2 Diabetic Patients Under Monotherapy
P-34	Kinetics and biological consequences of quinone-induced protein adduction
P-35	Free-radical fragmentation reactions of biomolecules involving C-C, C-O and C-N bond cleavage
P-36	Investigation of the effect of biologically active supplements on oxidative stability of flaxseed oil
P-37	<i>Tropaeolum majus</i> L. extract rich in anthocyanins reduces oxidative damage in psoriasis-like wounds in mice accelerating healing
P-38	Reactive Species in Immunogenic Cancer Cell Death
P-39	De novo expression of transfected Sirt3 enhances susceptibility of human MCF-7 breast cancer cells to hyperoxia treatment
P-40	ANALYSIS OF EXTRACELLULAR MATRIX PROTEIN CHLORINATION AND OXIDATION BY MASS SPECTROMETRY
P-41	MYELOPEROXIDASE-DERIVED CHLORINATION AND OXIDATION OF HUMAN PLASMA FIBRONECTIN
P-42	IDENTIFICATION OF THE CHANNEL RESPONSIBLE FOR THE OZONE STRESS INDUCED CHLORIDE CURRENT IN HUMAN LUNG EPITHELIAL CELLS
P-43	Genome-Wide Sequencing Reveals Small Nucleolar RNAs Downregulated in Cerebral Cavernous Malformations
P-44	Redox manipulation identifies membrane association of GAP-43 as a target of H ₂ O ₂ signalling during axon growth
P-45	Subcellular redox manipulation identifies H ₂ O ₂ as a key signalling molecule in cell behaviour
P-46	Influence of O ₂ on riboflavin-mediated photo-oxidation of lysozyme
P-47	Aging effects on basal and lipopolysaccharide inducible expression of antioxidant and inflammatory genes in human blood monocytes
P-48	Redox-active quinones as regulators of free radical processes and potential antitumor agents
P-49	Involvement of Human Carbonyl Reductase 1 in the metabolism of glutathionylated lipid aldehydes metabolism
P-50	Role of di-tyrosine and di-tryptophan in α - and β -casein cross-linking triggered by riboflavin-induced

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	photooxidation and peroxy radicals
P-51	Free radical transformations of glucose metabolites in aqueous solutions
P-52	Oxidative stress and antioxidant defense parameters in different diseases: ethnic aspects
P-53	Advanced glycation end products and glutathione status in patients with type 2 diabetes mellitus and macroangiopathy of the lower limbs
P-54	Lipid peroxidation parameters in Mongoloid-patients with obesity and hepatitis
P-55	Mitochondrial iron chelation as a novel anti-cancer strategy
P-56	Insights on aquaporins involvement in obesity-induced inflammation in pancreatic β -cells
P-57	Urate hydroperoxide: a new reported oxidant generated in inflammatory conditions
P-58	The chondroprotective function of autophagy against acute exogenous oxidative insult in osteoarthritic chondrocytes is impaired
P-59	Antioxidant status of human follicular fluid: natural versus controlled ovarian hyperstimulated cycles
P-60	MITOCHONDRIAL ROS OVERPRODUCTION IMPAIRS GLUTAMATERGIC SIGNALING IN FRONTOTEMPORAL DEMENTIA
P-61	Integration of oxidized lipids in pro-inflammatory metabolic networks targeting obesity and related complications
P-62	QUANTUM-CHEMICAL STUDY OF THE ANTIOXIDANT MECHANISMS OF 4-HYDROXYPHENYLACETIC ACID A METHABOLITE OF BACILLUS SUBTILIS IMV V-7023 IN GAS PHASE
P-63	Activation of NF- κ B in Airway Epithelia Protects Against Hyperoxia-Induced Proinflammatory Lung Injury
P-64	AMPK-dependent and independent modulation of thioredoxin interacting protein
P-65	Formation of reactive oxygen species by the irradiation of cold atmospheric pressure plasma to water
P-66	ROS is the boss
P-67	Diverse strategies in P700 oxidation system for suppressing ROS production were acquired during the evolution of photosynthetic organisms
P-68	Cardiolipin hydroperoxides are both substrates and redox activators of phospholipase iPLA2y
P-69	Modification of mitochondrial membrane potential during prolonged cultivation of rat C6 glioma cells in the presence of SWCNT-DNA complexes
P-70	Targeting CD44/xCT is a potential strategy to sensitize human neuroblastoma stem cells to etoposide.
P-71	Influx of calcium ions accelerates neurite degeneration via induction of microtubule destabilization
P-72	The effect of tocotrienols on high-fat diet-treated mice
P-73	Neutrophils activation by carbon nanotubes functionalized with COOH-groups and conjugated with DNA
P-74	Uncovering the diversity of redox proteoforms and their significance in cellular signaling and protein-protein interactions
P-75	Overexpression of SOD2/MnSOD promotes tumor growth and poor prognosis in TRAMP mice
P-76	AGING-INDUCED CHANGES IN REDOX BIOMARKERS IN RAT SPINAL CORD
P-77	Effects of azoles on processes involving hydroxyl-containing carbon-centered organic radicals

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P-78	Role of thiol redox regulation in the mitochondrial signaling network
P-79	Effects of a novel selenosugar on primary human vascular cells, mouse aortic rings and atherosclerosis in apoE ^{-/-} mice
P-80	Effects of oxidants and electrophiles on vimentin assembly
P-81	Metformin treatment modulates endoplasmic reticulum stress and autophagy in leukocytes from type 2 diabetic patients
P-82	Peroxynitrite versus decavanadate protein oxidative modifications: the case of myosin
P-83	EFFECT OF Luehea divaricata AQUEOUS EXTRACT ON SUPEROXIDE ANION FORMATION IN SPINAL CORD OF RATS WITH NEUROPATHIC PAIN
P-84	Biological activities of natural compounds extracted from rhamnus alaternus plant
P-85	Acceleration of UV induced thymidine dimer formation by salicylic acid
P-86	Human AQP5 facilitates hydrogen peroxide permeation and improves cell resistance to oxidative stress
P-87	Dityryptophan cross-links are detected in bovine beta crystallin irradiated with a solar simulator and in human lenses with advanced cataract
P-88	Involvement of histone acetylation and methylation in SOD3 regulation in human monocytic THP-1 cells
P-89	A potential novel pathway to regulate cellular concentrations of the redox-active lipid coenzyme Q
P-90	Oxidative Stress Caused by Accumulation of Misfolded Z-type alpha1-Antitrypsin
P-91	Nerve axonal extension enhancement using plasma activated medium generated through nonthermal atmospheric pressure plasma bubbling
P-92	Anti-scratching effect and related antioxidant responses of aqueous crude extract from <i>Acca sellowiana</i> in the dry skin model
P-93	Activity of components of lipid peroxidation system and antioxidant protection in men with infertility, carriers of non-functional genotypes GSTT1 and GSTM1
P-94	Not a simple increase in oxidative stress, but a more complicated alteration of the antioxidant system is essential for the pathogenesis of autistic spectrum disorder children.
P-95	Decreased Circulating Sphingomyelins and Ceramides in Sickle Cell Disease Patients
P-96	Sphingolipidomic Analysis In Acne Vulgaris Patient Serum Shows Decreased C24-Ceramide and Increased Ceramide-1-Phosphate Levels
P-97	Epigenetic regulation of neutrophil extracellular traps
P-98	Influence of Partial O ₂ Pressure on the Adhesion, Proliferation, and Osteogenic Differentiation of Human Dental Pulp Stem Cells on β -Tricalcium Phosphate Scaffold
P-99	5-Aminolevulinic acid induced apoptosis via oxidative stress in normal gastric epithelial cells
P-100	Effect of a healthy mixed diet on micronutrients intake and ROS regulation
P-101	IDH2 deficiency exacerbates cisplatin nephrotoxicity
P-102	The involvement of the anti-oxidant protein DJ-1 in SOD1 maturation pathway: implications for neurobehavioral deficits in <i>Drosophila Melanogaster</i>
P-103	The activity of proline as singlet oxygen and superoxide scavenger

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P-104	Cytochrome c - cardiolipin interaction leads to the cytochrome c modification and degradation via formation of cardiolipin hydroperoxides
P-105	Effect of a Novel Biscumarin Derivative on Human Melanoma Cells: Regulation of Cell Survival, Proliferation, Migration and Kinases
P-106	The redox-active thiosemicarbazone, Dp44mT promotes NDRG1 to down-regulate oncogenic signaling pathways in cancer
P-107	Inhibitory effect of carnosic acid by the down-regulation of ROS generation and the up-regulation of ROS scavenging on adipocyte differentiation
P-108	Suppressive effect of carnosic acid through ROS control on RANKL-induced osteoclastogenesis
P-109	Functional fluorescence probe for lipid derived radicals detection
P-110	CENTENARIAN OFFSPRING: A MODEL FOR UNDERSTANDING HEALTHY AGING
P-111	Oxidation of the selected probes for detection of reactive oxygen species (ROS) and reactive nitrogen species (RNS) in aqueous solutions of nitric oxide donors
P-112	Selenoprotein P as a regulator of pancreatic β cell function: Improving effects of neutralizing antibody
P-113	Lipofuscin-mediated alterations effects on organismal ageing
P-114	Potential Protective Effects of Hydroxypropyl- β -cyclodextrin on A β (1-42)-induced Neurotoxicity
P-115	Functional electron transport chain is necessary for stress resistance in quiescent cells
P-116	The mitochondrial antioxidant MitoQ alleviates oxidative stress, endoplasmic reticulum stress and mitochondrial function in pancreatic β cells under hyperglycaemic conditions
P-117	Nitrite modulates mitochondrial function through the activation of PKA in normoxia
P-118	Protective effect of quercetin-quinone derivative in senescent human fibroblasts
P-119	Ex-vivo vasorelaxation induced by polyphenol-rich extracts from plant, fruits and berries on porcine coronary artery rings.
P-120	MiRNome of epileptic children suggests the involvement of antioxidant pathways in the neuroprotective role of ketogenic diet.
P-121	Overexpression of G6PD as a model of robustness
P-122	Heart mitochondrial NO production enhancement precedes mitochondrial biogenesis in Type 1 Diabetes Mellitus
P-123	Interaction of NO with mitochondrial Complex III: functional consequences and mechanism
P-124	The Sit4p phosphatase controls mitochondrial function and lifespan by regulating the phosphorylation of the ATP synthase beta subunit Atp2p
P-125	Resonance Raman studies on Manganese Porphyrin detection and redox state in endothelial cells: implications for antioxidant cytoprotection
P-126	Identification and Characterization of Pro-Inflammatory AGEs and ALEs by VC1-affinity Chromatography and Mass Spectrometry
P-127	Role of peroxiredoxin 2 in erythrocyte antioxidant defense: peroxidase and chaperone
P-128	Modulation of NF- κ B signaling by mercury compounds in mouse microglia cells and its relationship with glutathione levels.

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P-129	Antioxidant role of microvesicles, activated by genistein, in stem cells.
P-130	The conserved cysteine residue of type III intermediate filaments serves as a structural element and redox sensor
P-131	γ -H2AX, CYP3A and CYP2J2 overexpression in a drug-resistant acute myeloid leukemia cell line
P-132	Identification of Risk Factors and Biomarkers of Diagnostic and Prognostic Value Associated with Clinical Progression and Severity of Cerebral Cavernous Malformations
P-133	Chronic Heart Failure (CHF): Thiol oxidation and antioxidant capacity as possible biomarker (e-BQC)
P-134	Apoptotic signaling of skeletal muscle tissue in response to cytochrome b5 reductase 3 over-expression and dietary interventions.
P-135	Metabolic adaptations and modulation of coenzyme Q system through nutritional interventions and CYB5R3 overexpression in transgenic mice
P-136	COMPLEX MIX OF PSIDIUM GUAJAVA. L AS A PROTECTOR OF MEDICINES USED IN THE TREATMENT OF GASTRIC ULCER
P-137	Expression and functional relevance of NADPH oxidase 5 in human hepatic stellate cells
P-138	Redox status in breast tumor and associated adipose tissue - interplay between obesity and malignancy
P-139	Developing targeted mass spectrometry approaches for the identification of protein lipoxidation
P-140	Microbial Electricity Production: Biomolecular Elucidation of Extracellular Electron Transfer Mechanisms of Geobacter metallireducens
P-141	Fluorescent nanodiamonds: potential free radical detectors in live cells
P-142	Proteomic plasma profile of psoriatic patients
P-143	Disruption of protein homeostasis: a potential biomarker of exposure to three metal oxide nanoparticles.
P-144	The redox regulation of damage-associated molecular pattern molecule HMGB1 in pulmonary disease
P-145	Hyperoxia-Induced Macrophage Dysfunction and Acute Lung Injury are attenuated by modulation of α 7nAChR via reduced HMGB1 hyperacetylation and release
P-146	EFFECTS OF PARAQUAT IN THE REPRODUCTIVE FUNCTION AND ON REDOX STATE OF ADULT MALE RATS
P-147	Arrhythmogenic nitro-oxidative Stress: a proposed in mechanism underlying ventricular arrhythmias that may cause sudden cardiac arrest in Chagas' heart disease
P-148	Early reductive stress followed by a late onset oxidative stress in acute myocardial infarction
P-149	2-O, 3-O Desulfated heparin (ODSH) Improves Bacterial Clearance in Cystic Fibrosis by Reducing HMGB1 release and Improving Phagocytosis of Airway Macrophages
P-150	Phospholipidome of endothelial cells shows a different adaptation response upon oxidative, glycativ or carbonyl stress
P-151	A single bout of endurance exercise induces α B-crystallin (CRYAB) modulation in cardiac muscle as it happens in oxidative skeletal muscle fibers
P-152	N-ACYL DERIVATIVES OF 4,6-DI-TERT-BUTYL-2-AMINOPHENOL PROTECT NEUTROPHILS FROM HALOGENATING STRESS
P-153	Nuclear translocation and alternative conformation of cytochrome c after peroxyxynitrite-mediated challenge to cells

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P-154	IMPROVING THE IDENTIFICATION OF NITRATED PHOSPHOLIPIDS: LOW vs HIGH ENERGY-DEPENDENT FRAGMENTATION
P-155	Selenomethionine supplementation reduces extracellular trap formation and lesion burden in a mouse model of atherosclerosis
P-156	Nrf-2 Activators Improve Hyperoxia-Compromised Macrophage Functions
P-157	Hyperthermia enhance the PDT effect via regulation of transporter expression
P-158	SOD1 haploinsufficiency exerts deleterious effects on the testis via activation of the autoimmune response in NZW mice
P-159	The effect of chlorinated nucleosides on vascular cell function
P-160	Impact of the culturing conditions and culture age on the growth characteristics and genomic stability of BEAS-2B cells
P-161	Substrate Triggered Structural Movements in Ohr: Dihydrolipoamide Accelerates the Approximation of Catalytic Arg Towards the Active Site
P-162	Cytosolic Fe-superoxide dismutase protects Trypanosoma cruzi from macrophage-derived superoxide radical increasing pathogen virulence in vivo
P-163	Smokeless tobacco chewing mediates plethora of Physiological hazard and neuronal health
P-164	Reaction of Gutathione and Bio-Related Thiols with 2,2-Diphenyl-1-picrylhydrazyl Radical Solubilized by beta-Cyclodextrin in Water
P-165	KOREAN RED GINSENG INHIBITS AMYLOID- β -INDUCED CELL DEATH BY DECREASING MITOCHONDRIAL ROS LEVELS IN HUMAN NEURONAL CELLS
P-166	Docosahexaenoic acid inhibits IL-6 and IL-1 β expression by suppressing production of mitochondrial reactive oxygen species in alcoholic pancreatitis
P-167	Astaxanthin inhibits Helicobacter pylori-induced hyper-proliferation in gastric epithelial cells
P-168	Inhibitory effect of docosahexaenoic acid on expression of inflammatory cytokine through activating Nrf2 signaling in cerulein-stimulated pancreatic acinar cells
P-169	Macrophage-derived peroxynitrite at physiological O ₂ concentration
P-170	Melatonin as a alternative and promising therapy for people with sickle cell anemia
P-171	Genome-scale dissection of regulatory network dysfunction in tumors with high NRF2 activity.
P-172	Modulation of FKBP5 Expression by Cigarette Smoke
P-173	MP1032 - a novel anti-inflammatory drug- ameliorates the progression of autoimmune diseases
P-174	Genetic deletion of RAGE in Dbdb mice interferes with AGEs receptors and detoxifying systems in liver.
P-175	Characterization of nitroso-redox stress induced cancer cell death
P-176	Redox signaling processes in neutrophils are modified in monocrotaline-induced pulmonary arterial hypertension
P-177	The impairment of BVR-A favors the oxidative stress-mediated uncoupling of the Akt/GSK-3 β axis in Alzheimer disease and diabetes
P-178	Oxidative stress in blood cells of men and women with Alzheimer and Parkinson diseases

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P-179	The oxidative stress in organs from tyrosine hydroxylase haploinsufficient mice could be ameliorated by their social environment
P-180	Investigating peroxidase activity and cardiolipin oxidation in human cytochrome c variants
P-181	Riboflavin/vitamin B2 radicals - a novel target for the radical scavenger α 1-microglobulin
P-182	miRNA494 downregulation increases neuroblastoma sensitivity to oxidative stress
P-183	Protection of kidney function with human antioxidation protein α 1-microglobulin (A1M) in a mouse 177Lu-DOTATATE radiation therapy model
P-184	REGULATION OF ASTROCYTES FUNCTIONS BY HYPOCHLOROUS ACID
P-185	Early induction of senescence and immortalization in PGC-1 α -deficient mouse embryonic fibroblasts.
P-186	Cellular electrophile damage by 2-chlorohexadecanal in cardiomyocytes
P-187	Nox 5 overexpression induces the activation of the unfolded protein response in human aortic endothelial cells
P-188	Enterococcus faecalis FK-23 may improve the bactericidal activity of human neutrophil via enhancing ROS production and phagocytosis.
P-189	The role of mitochondrial reactive oxygen species in the response of the pulmonary vasculature to hypoxia and right heart remodeling
P-190	Reactions of the Trp-radical – Dimerisation vs addition of superoxide
P-191	Suppressive effects on lung fibrosis and the polarization and populations of macrophages by liposomal clodronate combined with pirfenidone
P-192	Exposure of tropoelastin to peroxy-nitrous acid gives high yields of nitrated tyrosine residues, di-tyrosine cross-links and altered protein structure and function
P-193	IDH2 plays a critical role in the progression of kidney fibrosis
P-194	A HIGH NEUROTICISM IS ACCOMPANIED BY OXIDATIVE STRESS IN PERIPHERAL BLOOD CELLS OF HEALTHY YOUNG SUBJECTS
P-195	Oxidative stress parameters as markers of the rate of aging and longevity in mice
P-196	Natural Killer recognition of primary melanoma cells treated with BRAFV600E inhibitor is favored by heme oxygenase 1 down-regulation
P-197	Infection with Botrytis cinerea that lacks NADPH oxidase provides new insights into the impact of the redox environment on plant responses against this necrotroph
P-198	Relationship between aspirin-induced small intestinal mucosal injury and oxidative stress
P-199	H ₂ O ₂ yield of atmospherically relevant quinones in surrogate lung fluid

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