



## SFRR-E Meeting Budapest, 2016

*Danubius Hotel Helia Budapest*  
1133 Budapest, Kárpát street 62-64. (Hungary)

### Wednesday, 8 June 2016

Time	Location		Time	Location	
11:00	Aula of the Helia Hall	Registration opens			
12:00-14:00	Mercure room	Executive committee meeting			
14:00-16:00	Mercure room	Council meeting	13:30-16:00	Helia Hall	Elsevier workshop: Antony Newman
16:10-16:30	Helia Hall	Welcome: Prof. Zsolt Radak Prof. Giovanni Mann			
16:30-17:30	Helia Hall	<b>SFRR Europe Award Lecture – Prof. Henry Forman</b> Redox signaling: an evolution from free radicals to aging <i>Chairs: Prof. Giovanni Mann (King's College, UK)</i> <i>and Prof. Michael J. Davies (University of Copenhagen, Denmark)</i>			
17:30-18:30	Helia Hall	<b>Catherine Pasquier Award – Dr. Betul Karademir</b> Proteasomal system as a target in cancer therapy <i>Chairs: Prof. Josiane Cillard (University of Rennes, France)</i> <i>and Prof. Corinne Spickett (Aston University, UK)</i>			
19:00	Jupiter Restaurant (groundfloor)	Welcome reception			

## Thursday, 9 June 2016

Time	Location	
8:00	Aula	<b>Registration</b>
8:30-10:30	Helia Hall	<b>SYMPOSIUM 1 - Emerging Biological Roles of Hydrogen Sulfide</b> <i>Chairs: Prof. Csaba Szabo (UTMB, USA)</i> <i>and Dr. Peter Nagy (National Institute of Oncology, Hungary)</i>
8:30-9:00		<b>Signaling molecules: hydrogen sulfide and polysulfides</b> Prof. Hideo Kimura (National Center of Neurology and Psychiatry, Japan)
9:00-9:30		<b>Regulation of angiogenesis by hydrogen sulfide</b> Prof. Andreas Papapetropoulos (University of Athens, Greece)
9:30-10:00		<b>Role of hydrogen sulfide in critical illness</b> Prof. Csaba Szabo (UTMB, USA)
10:00-10:30		<b>Therapeutic potential of hydrogen sulfide donors</b> Prof. Matthew Whiteman (University of Exeter, UK)
10:30-11:00	Aula	<b>Coffee break</b>
11:00-13:00	Helia Hall	<b>SYMPOSIUM 2 - Interventions in Aging</b> <i>Chairs: Prof. Jose Viña (University of Valencia, Spain)</i> <i>and Prof. Mari Carmen Gómez-Cabrera (University of Valencia, Spain)</i>
11:00-11:30		<b>Pharmacological interventions in ageing: the case of metformin</b> Prof. Rafael de Cabo (NIH, USA)
11:30-12:00		<b>Micronutrients as promising tools for a positive intervention in ageing</b> Dr. Daniela Weber (German Institute of Human Nutrition, Germany)
12:00-12:30		<b>Biomarkers as tools to evaluate intervention in ageing</b> Prof. Helen Griffiths (Aston University, UK)
12:30-13:00		<b>Exercise as a supplement for healthy ageing</b> Prof. Mari Carmen Gómez-Cabrera (University Valencia, Spain)
13:00-14:00	Jupiter Restaurant (groundfloor)	<b>Lunch break</b>
14:00-15:00	Helia Hall	<b>SFRR Europe Clinical Science Award Lecture – Prof. Mark Mattson</b> Intermittent bioenergetic and oxidative challenges promote optimal brain function throughout life <i>Chairs: Prof. Henrik Poulsen (University of Copenhagen, Denmark)</i> <i>and Prof. Zsolt Radak (University of Physical Education, Hungary)</i>
15:00-16:00	Orion room	<b>Poster section 1</b> <i>Chairs: Prof. Giuseppe Valacchi, Prof. Francesco Galli, Prof. Aphrodite Vasilaki, Prof. Mari Carmen Gomez Cabrera</i>
16:00-16:30	Aula	<b>Coffee break</b>
16:30-18:30	Helia Hall	<b>SYMPOSIUM 3 - Targets in Redox Biology</b> (co-organized by COST Action BM1203 / EU-ROS) <i>Chairs: Prof. Andreas Daiber (University of Mainz, Germany)</i> <i>and Prof. Harald Schmidt (University of Maastricht, The Netherlands)</i>
16:30-17:00		<b>Mitochondria and ROS in cardiac pathophysiology</b> Prof. Fabio de Lisa (University Padova, Italy)
17:00-17:30		<b>Nrf2 activators: how do they work and how advanced is their clinical use?</b> Prof. Antonio Cuadrado (Universidad Autonoma de Madrid, Spain)
17:30-18:00		<b>Biomarkers and the oxidative stress theory of disease</b> Prof. Pietro Ghezzi (University of Brighton & Sussex Medical School, UK)
18:00-18:30		<b>Free radicals: from neurodegeneration to neuroprotection</b> Prof. Karl-Heinz Krause (University of Geneva, Switzerland)
18:45	Helia Hall	<b>General Assembly</b>

## Friday, 10 June 2016

Time	Location	
8:00	Aula	<b>Registration</b>
8:30-10:30	Helia Hall	<b>SYMPOSIUM 4 - Redox Biology in Cellular and Neurodegeneration</b> <i>Chairs: Prof. Aphrodite Vasilaki (University of Liverpool, UK) and Dr. Irundika Dias (Aston University, UK)</i>
8:30-9:00		<b>Hydrogen sulfide, the new kid on the block in redox signaling</b> Dr. Peter Nagy (National Institute of Oncology, Budapest, Hungary)
9:00-9:30		<b>Role of ROS in degeneration of ageing muscle</b> Prof. Aphrodite Vasilaki (University of Liverpool, UK)
9:30-10:00		<b>The cellular sources and targets of reactive oxygen species in Parkinson's disease</b> Prof. Andrey Abramov (University College London, UK)
10:00-10:30		<b>Immune mechanisms linked to depression via oxidative stress and neuroprogression</b> Dr. Patricia Zunszain (King's College London, UK)
10:30-11:00	Aula	<b>Coffee break</b>
11:00-13:00	Helia Hall	<b>SYMPOSIUM 5 - Glutathione and glutathione S-transferase Pi at the crossroad between cellular hormesis and redox therapy</b> <i>Chairs: Prof. Francesco Galli (University of Perugia, Italy) and Prof. Kenneth Tew (Medical University of South Carolina, USA)</i>
11:00-11:30		<b>Redox-dependent and independent regulation of GSH metabolism and GST family of genes</b> Prof. John Hayes (University of Dundee, UK)
11:30-12:00		<b>Hematopoiesis, S-Glutathionylation and Stress Response Pathways</b> Prof. Kenneth Tew (Medical University of South Carolina, USA)
12:00-12:30		<b>Identification of Nrf2 as a node of the protein interaction network of glutathione S-transferase P (the GSTP interactome)</b> Prof. Francesco Galli (University of Perugia, Italy)
12:30-12:45		<b>Polymorphisms and expression of GSTP and other GSTs in oxidative stress associated diseases</b> Prof. Tatjana Simic (University of Belgrad, Serbia)
12:45-13:00		<b>Human erythroid GSTP in biomedicine and environmental monitoring</b> Prof. Alessio Bocedi (University of Rome Tor Vergata, Italy)
13:00-14:00	Jupiter Restaurant (groundfloor)	<b>Lunch break</b>
14:00-15:00	Helia Hall	<b>SFRR Europe Basic Science Award Lecture – Dr. Anne Negre-Salvayre</b> Dual effects of oxidized LDL on vascular cells <i>Chairs: Prof. Josiane Cillard (University of Rennes, France), Prof. Giovanni Mann (King's College, UK), Anthony Newman - Elsevier (The Netherlands)</i>
15:00-16:00	Orion room	<b>Poster section 2</b> <i>Chairs: Prof. Daniela Caporossi, Prof. Tatjana Simic, Dr. Betul Karademir, Prof. László Virág</i>
16:00-16:30	Aula	<b>Coffee break</b>

## **Friday, 10 June 2016 (continued)**

<b>16:30-18:30</b>	<b>Mercurie room</b>	<b>Young investigator section</b>
16:30-16:40	<b>Oxidative stress induced changes of cardiomyocytes secretome</b> Venukumar Vemula (Germany)	
16:40-16:50	<b>Contributions of cysteine residues to the modulation of FoxO1a activity under oxidative stress</b> Dimitrios Tsitsipatis (Germany)	
16:50-17:00	<b>Induction of antioxidant defences by Cu(II)ATSM: Role of DJ-1 and Nrf2</b> Salil Srivastava (UK)	
17:00-17:10	<b>Key role of cysteine residues in thermal- and H<sub>2</sub>O<sub>2</sub>-mediated modification of beta-lactoglobulin</b> Anna Krämer (Denmark)	
17:10-17:20	<b>Role of 20S proteasome in the fate of oxidized and tyrosine nitrated proteins</b> Christiane Ott (Germany)	
17:20-17:30	<b>Peripheral neuropathy as the side effect of proteasome inhibitors Bortezomib and Carfilzomib</b> Gulce Sari-Kaplan (Turkey)	
17:30-17:40	<b>Interval training and probiotic supplementation - A new prospect in the prevention of Alzheimer's disease</b> Dóra Ábrahám (Hungary)	
17:40-17:50	<b>Development of novel FP-based probes for live-cell imaging of nitric oxide dynamics</b> Emrah Eruglu (Austria)	
17:50-18:00	<b>Detection and characterization of oxidative modifications to the extracellular matrix protein fibronectin</b> Tina Nybo	
18:00-18:10	<b>Effect of vitamin D3 supplementation on metal and redox homeostasis in hormon treated prostate cancer patients</b> Krisztina Süle (Hungary)	
18:10-18:20	<b>Alpha-13'-OH is the main product of alpha-tocopherol metabolism and influences CYP4F2 and PPARG gene expression in HEPG2 human hepatocarcinoma cells</b> Pierangelo Torquato (Italy)	
18:20-18:30	<b>Ethanol toxicity inhibits vitamin E ω-oxidase expression and activity of human hepatocarcinoma cells</b> Angelo Russo (Italy)	
<b>19:30-22:30</b>	<b>Boat trip</b>	<b>Gala dinner</b>

# Saturday, 11 June 2016

Time	Location	
8:00	Aula	<b>Registration</b>
8:30-10:30	Helia Hall	<b>SYMPOSIUM 6 - Free Radicals in the Bone and Soft Tissue Mineralisation</b> <i>Chairs: Prof. László Virág (University of Debrecen, Hungary) and Prof. Maria Schuller Almeida (University of Arkansas for Medical Sciences, USA)</i>
8:30-9:00		<b>PARylation in the bone: from H<sub>2</sub>O<sub>2</sub>-induced signal to structural element in the bone</b> Prof. László Virág (University of Debrecen, Hungary)
9:00-9:30		<b>Aging mechanisms in bone: oxidative stress and FoxOs</b> Prof. Maria Schuller Almeida (University of Arkansas for Medical Sciences, USA)
9:30-10:00		<b>PARP1-dependent chromatin remodeling during osteoblast and osteoclast differentiation shapes expression of autocrine-acting cytokines</b> Dr. Agnieszka Robaszkiewicz (University of Lodz, Poland)
10:00-10:30		<b>Role of heme in soft tissue mineralization</b> Prof. Jozsef Balla (University of Debrecen, Hungary)
10:30-11:00	Aula	<b>Coffee break</b>
11:00-13:00	Helia Hall	<b>SYMPOSIUM 7 - Exercise-induced cell signalling and adaptation</b> <i>Chairs: Prof. Li Li Ji (University of Minnesota, USA) and Prof. Malcolm Jackson (University of Liverpool, UK)</i>
11:00-11:30		<b>Age-related neuromuscular deficits in reactive oxygen species generation in exercising skeletal muscle</b> Prof. Malcolm Jackson (University of Liverpool, UK)
11:30-12:00		<b>Oxidative stress and disuse muscle atrophy: cause or consequence</b> Prof. Scott Powers (University of Florida, USA)
12:00-12:30		<b>Exercise-induced myokine (IL-6) biological effects in muscle: role of mitochondrial homeostasis</b> Prof. Yong Zhang (Tianjin University of Sport, China)
12:30-13:00		<b>Role of redox signaling in muscle mitochondrial homeostasis</b> Prof. Li Li Ji (University of Minnesota, USA)
13:00-14:00	Jupiter Restaurant (groundfloor)	<b>Lunch break</b>
14:00-15:00	Helia Hall	<b>Special Invited Lecture – Prof. Kelvin Davies</b> Reactive oxygen species in exercise-induced adaptation <i>Chairs: Prof. Nesrin Kartal Özer (Marmara University, Turkey) and Prof. Juan Sastre (University of Valencia, Spain)</i>

## Saturday, 11 June 2016 (continued)

15:00-17:00	Helia Hall	Oral section 1	Mercure room	Oral section 2
15:00-15:10	<b>The RNA expression of IGF1 isoforms and myomir family members in a Hypertrophic muscle rat model</b> Zoltán Bori (Hungary)		<b>Proteomic analysis of 4-hydroxynonenal and Nitrotyrosine modified proteins in RTT fibroblasts</b> Giuseppe Valacchi (Italy)	
15:10-15:20	<b>Oxidation of disulfide bonds is markedly affected by structure and environment: implications for protein modification</b> Michael Davies (Denmark)		<b>Tideglusib provides neuroprotection in parkinson's disease model through NRF2/ARE pathway</b> Armagan Güliz (Turkey)	
15:20-15:30	<b>Reading the code of redox regulations in dynamic cellular model of oxidative stress</b> Maria Fedorova (Germany)		<b>Mass spectrometry based method for measurement of oxysterols</b> Irundika Dias (United Kingdom)	
15:30-15:40	<b>The antileishmanial activity of xanthohumol but not of resveratrol is mediated by mitochondrial inhibition</b> Lars Gille (Austria)		<b>The impact of EMRT on elderly subjects: Focus on epigenetic changing and DNA integrity</b> Ivan Dimauro (Italy)	
15:40-15:50	<b>Generation of oxidative stress as an anticancer therapeutic strategy</b> Meng-Er Huang (France)		<b>Generation of antibodies with varying sequence specificity for oxidatively-modified peptides from human fibrinogen</b> Stuart Meredith (United Kingdom)	
15:50-16:00	<b>Novel role of sirtuin related mechanisms in overload-induce hypertrophy of skeletal muscle in rat</b> Erika Koltai (Hungary)		<b>Redox proteomics of plasma proteins in chronic kidney disease: Association with leucocytes DNA-damage and pro-apoptotic activity</b> Desirée Bartolini (Italy)	
16:00-16:10	<b>Cross linking and scission initiated by protein oxidation - evidence for involvement of tyrosine and tryptophan residues</b> Fabian Leinisch (Denmark)		<b>S-allylmercapto-N-acetylcysteine protects against oxidative stress and extends lifespan in caenorhabditis elegans (C. elegans)</b> Naphtali Savion (Israel)	
16:10-16:20	<b>Ca<sup>2+</sup>-triggered nitric oxide production in endothelial cells is under the control of mitochondrial Ca<sup>2+</sup> uptake</b> Roland Malli (Austria)		<b>Potassium ascorbate with ribose promising therapeutical approach for malignant melanoma</b> Giuseppe Valacchi (Italy)	
16:20-16:30	<b>Soluble klotho attenuates Angiotensin II-mediated vascular smooth muscle cell ageing: Role of Nrf2-antioxidant signalling</b> Giuseppe Maltese (United Kingdom)		<b>Focal cerebral ischemia-reperfusion induces the Nrf2 downstream target PPARgamma in mouse cerebrovascular endothelium</b> Keith Farrell-Dillon (United Kingdom)	
16:30-16:40	<b>TrxR1/miR-23 as a novel molecular axis acting on skeletal muscle differentiation</b> Neri Mercatelli (Italy)		<b>Mesenchymal stem cell response to antioxidative stress</b> Olga Lyublinskaya (Russia)	
16:40-16:50	<b>High sputum levels of gamma-glutamyltransferase are a contraindication to GSH inhalation therapies in cystic fibrosis</b> Alfonso Pompella (Italy)		<b>Management of apolipoprotein D and Klotho Levels, Redox Pattern and Oxidative Damages in Plasma from MCI and Alzheimer's Patients</b> Charles Ramassamy (Canada)	
16:50-17:00	<b>Are there oxidative stress diseases?</b> Henrik Poulsen (Denmark)		<b>Life-long exercise and healthy brain aging</b> Csaba Nyakas (Hungary)	
17:00-17:15	Helia Hall	Closing		

## List of accepted posters

P-01	<b>Role of 27-hydroxynonenal and 4-hydroxynonenal in atherosclerotic plaque vulnerability</b> Simona Gargiulo (Italy)
P-02	<b>Exercise as an intervention to reverse frailty. A randomized clinical trial</b> Mari Carmen Gomez-Cabrera (Spain)
P-03	<b>The myeloperoxidase-derived oxidant hypochlorous acid induces macrophage extracellular trap release and promotes inflammation</b> Clare Hawkins (Australia)
P-04	<b>eBQC electrochemical antioxidant capacity: aging</b> David Hevia (Spain)
P-05	<b>Pharmacological manipulation of NRF2/KEAP1-mediated antioxidant defence pathway regulates the circadian clock</b> Niamh Horton (United Kingdom)
P-06	<b>Effects of artificial lipofuscin on <math>\beta</math>-cell function</b> Jeanette König (Germany)
P-07	<b>Extracellular matrix glycation by methylglyoxal: influence on cellular functions</b> Kerstin Nowotny (Germany)
P-08	<b>Nicotinamide treatment alters the contents of cell metabolism regulating proteins in gastrocnemius muscle of young and old rats</b> Melitta Pajk (Hungary)
P-09	<b>UVB-induced DNA damage and apoptosis in melanocytes: Modulation by NRF2 in keratinocytes</b> Uraivan Panich (Thailand)
P-10	<b>Antioxidant transcription factor NRF2 mediates diurnal control of cutaneous wound repair by a redox mechanism that declines with ageing</b> Vanja Pekovic-Vaughan (United Kingdom)
P-11	<b>Pyridoindole SMe1EC2 as promising agent for treating cognitive dysfunction during ageing</b> Lucia Rackova (Slovakia)
P-12	<b>The effect of oxidative stress on thioredoxin1 distribution and associated binding partners in T cells</b> Ali Hussein Remtulla (United Kingdom)
P-13	<b>Brain and serum cholesterol metabolism during perimenopausal transition: A risk factor for Alzheimer's disease?</b> Arianna Romani (Italy)
P-14	<b>The cross talk between redox and endocannabinoids systems in the kidney of hypertensive rats after inhibitor FAAH - URB597 administration</b> Elżbieta Skrzydlewska (Poland)
P-15	<b>Redox proteomics of mouse skeletal muscle ageing</b> Neil Smith (United Kingdom)
P-16	<b>Protein supplementation alters redox-status and proteosomic activity following aseptic inflammation induced by exercise</b> Ioannis Fatouros (Greece)
P-17	<b>Redox status in response to exercise training in heavy drinkers</b> Athanasios Jamurtas (Greece)
P-18	<b>Physical Training Status Determines Oxidative stress and Redox changes in Response to an Acute Aerobic Exercise</b> Farnaz Seifi Ski-shahr (Iran)
P-19	<b>The effect of training and microbiome changes in cell metabolism</b> Nikolett Szénási (Hungary)
P-20	<b>Oxidative stress and physical exercise: effects of training intervention on oxidative stress levels caused by endogenous and exogenous sources</b> Giuseppe Valacchi (Italy)
P-21	<b>Cytochrome BD oxidase sustains sulfide-resistant bacterial respiration and growth</b> Elena Forte (Italy)



P-22	<b>Protective effect of carnosine on sodium nitrite induced oxidative stress and DNA damage in rat intestine</b> Fariheen Ansari (India)
P-23	<b>Mechanisms of damage to the arterial wall extracellular matrix protein fibronectin by myeloperoxidase-derived oxidants</b> Michael Davies (Denmark)
P-24	<b>The potent inflammatory oxidant, peroxynitrite, modifies the extracellular matrix of human atherosclerotic lesions</b> Michael Davies (Denmark)
P-25	<b>The effect of picoside II on ischemia-reperfusion injury in myocardial streptozotocin induced diabetic rats</b> Ali Dursun (Turkey)
P-26	<b>Sulforaphane modulates microvascular permeability via redox sensitive and insensitive pathways</b> Keith Farrell-Dillon (United Kingdom)
P-27	<b>Oxidative stress in brain during fetal-to-neonatal transition under hypoxic atmosphere</b> Maria Isabel Torres Cuevas (Spain)
P-28	<b>Pharmacologic inhibition of NADPH oxidase/NOX4 provides renoprotection in contrast induced nephropathy</b> SeHee Yoon (Korea, South)
P-29	<b>Paraoxonase activity in children with suspected mitochondrial disease</b> Elena Laura Gaman (Romania)
P-30	<b>Testing anti-sera raised against synthetic fibrinogen peptides with oxidative modifications</b> Aneesa Ali (United Kingdom)
P-31	<b>Behavioural and biochemical changes induced by co-administration of mephedrone and nicotine in animal model</b> Anna Boguszezewska-Czubarra (Poland)
P-32	<b>Cold exposure prevents oxidative stress and Drp1-dependent mitochondrial fragmentation to protect neurons from MPP+ intoxication</b> Jih-Ing Chuang (Taiwan)
P-33	<b>Association of glutathione S-transferases M1 and T1 polymorphisms with glaucoma</b> Tatjana Djukic (Serbia)
P-34	<b>Neuron survival modulated by 24-hydroxycholesterol: The role of sirtuin pathway in Alzheimer's disease</b> Paola Gamba (Italy)
P-35	<b>Atra-induced neuronal differentiation reduces cell ability to adapt to oxidative stress: role of NRF2 and HO-1</b> Mariapaola Nitti (Italy)
P-36	<b>Proteasomal degradation of oxidatively damaged proteins – Are oxidized proteins ubiquitinated?</b> Sandra Reeg (Germany)
P-37	<b>Early involvement of systemic redox imbalance in late alzheimer's disease and vascular dementia</b> Arianna Romani (Italy)
P-38	<b>Mitochondria-targeted antioxidant mitoQ intercepts superoxide radical formation under acute hypoxia</b> Susan Scheibe (Germany)
P-39	<b>Vinpocetine attenuates manganese-induced toxicity in neural stem cells</b> Elvin Sevgili (Turkey)
P-40	<b>Lipid peroxidation in the onset of neuroborreliosis</b> Elżbieta Skrzydlewska (Poland)
P-41	<b>Brain SRB1 modulation as a possible player in Rett syndrome pathogenesis</b> Giuseppe Valacchi (Italy)
P-42	<b>Comparison of PBMCs morphology and serum cytokines profile between Rett and autistic patients</b> Giuseppe Valacchi (Italy)



P-43	<b>Effects of nicotinamide treatment on mRNA expression of various enzymes involved in NAD<sup>+</sup> metabolism in A<math>\beta</math>(1-42) induced neurodegeneration</b> Ayfer Yalcin (Turkey)
P-44	<b>Modelling oxidative stress in human hippocampal progenitor cells: Insights into putative underlying mechanisms of depression</b> Patricia Zunszain (United Kingdom)
P-45	<b>ROS ameliorates the clinical course of murine lupus</b> Hahn Jonas (Germany)
P-46	<b>The role of reversible cysteine oxidations in intracellular signaling – mass spectrometry based study of acetaminophen driven redox imbalance</b> Adelina Rogowska-Wrzesinska (Denmark)
P-47	<b>Proteasomal Degradation of TP53INP1 and Their Relation to Methotrexate Treatment in Prostate Cancer Cells</b> Ali Emin Cinel (Turkey)
P-48	<b>The association of GSTM1 genotype with the risk of renal cell carcinoma development and prognosis</b> Vesna Coric (Serbia)
P-49	<b>GLUT4 overexpression drives with higher SOD2 levels in prostate cancer cells</b> Pedro Gonzalez-Menendez (Spain)
P-50	<b>The Nrf2 activator methyl bardoxolone exacerbates mitochondrial dysfunction in palmitate-treated breast cancer cells</b> Helen Griffiths (United Kingdom)
P-51	<b>Oxidative stress biomarkers for use in large-scale human studies</b> Eugene Jansen (Netherlands)
P-52	<b>Expression of peroxiredoxin 1, 2, 3, 6 in cancer cells under development of drug resistance</b> Elena Kalinina (Russia)
P-53	<b>Investigation of cytotoxic effects of ganoderma lucidum extract on HEPATOCARCINOMA CELL LINE</b> Sibel Konyalioglu (Turkey)
P-54	<b>Stress impairs H<sub>2</sub>O<sub>2</sub> transport to impact cell fate</b> Iria Medraño Fernandez (Italy)
P-55	<b>Salivary and serum biomarkers of oxidative stress in patients with oral premalignant lesions</b> Daniela Miricescu (Romania)
P-56	<b>Integration of oxidative and nitrosative stress in the overall cell death signaling induced by sorafenib in hepatoma cells</b> Jordi Muntane (Spain)
P-57	<b>Salivary biomarkers of oxidative stress and local invasiveness in oral cancer</b> Radu Radulescu (Romania)
P-58	<b>The effect of cellular oxidative stress on PTEN interactions</b> Corinne Spickett (United Kingdom)
P-59	<b>Effects of salicylic acid on reaction of thymidine by ultraviolet light</b> Ayfer Yalcin (Turkey)
P-60	<b>SR-B1 as a new redox target of cigarette smoke in human sebocytes</b> Giuseppe Valacchi (Italy)
P-61	<b>Tropospheric ozone effects on chlorine current in lung epithelial cells: An electrophysiological approach</b> Giuseppe Valacchi (Italy)
P-62	<b>Oxidative stress and autophagy are enhanced in the leukocytes of type 2 diabetic patients: Relationship with endothelium-leukocyte interactions</b> Victor Victor (Spain)
P-63	<b>Involvement of reactive oxygen in sonodynamically induced apoptosis by pyrrolidine tris-acid fullerene</b> Nagahiko Yumita (Japan)
P-64	<b>Ameliorative effect of N-acetyl cysteine and taurine against sodium chlorate-induced oxidative stress in human erythrocytes</b> Shaikh Ali (India)

P-65	<b>Analytical and molecular insights in the cytochrome P450 metabolism of vitamin E and lipotoxicity mechanisms of non-alcoholic fatty liver</b> Desirée Bartolini (Italy)
P-66	<b>Atheroprotective potentials of various plants</b> Ozcan Erel (Turkey)
P-67	<b>Fungal contribution to ROS production exploits the host oxidative burst on its own benefit</b> Giovanni Mann (United Kingdom)
P-68	<b>A pilot study to detect oxidative stress in type 2 diabetic patients</b> Ayse Hamamcioglu (Turkey)
P-69	<b><math>\gamma</math>-glutamyl cysteine suppresses TNF-<math>\alpha</math> up-regulation via protein phosphatases in acute pancreatitis</b> Isabela Finamor (Spain)
P-70	<b>Serine/threonine protein phosphatase PP2A as a relevant target of disulfide stress in acute pancreatitis</b> Isabela Finamor (Spain)
P-71	<b>Tissue toxicity in a low-dosed multivitamin and mineral supplementation study in human volunteers</b> Eugene Jansen (Netherlands)
P-72	<b>Research on polyphenolic contents of <i>Elaeagnus angustifolia</i> L.</b> Sibel Konyalioglu (Turkey)
P-73	<b>The protective effects of hispidulin and sulforaphane on UVA-induced photoaging through NRF2 activation in mouse skin</b> Jinapath Lohakul (Thailand)
P-74	<b>Protective mechanism of hemoglobin against cell damages in alloxan and GSH system</b> Koichi Sakurai (Japan)
P-75	<b>Eating habits modulate short term memory and epigenetical regulation of brain derived neurotrophic factor in hippocampus of low- and high running capacity rats</b> Ferenc Torma (Hungary)
P-76	<b>Biomarkers of free radical-dependent metabolism of vitamin E: Analytical and interpretation biases in clinical studies</b> Pierangelo Torquato (Italy)
P-77	<b>Influence of mushroom mycelia polyphenolic composition on human microbiota</b> Emanuel Vamanu (Romania)
P-78	<b>Luteal phase-specific reduced NF-<math>\kappa</math>B p65 activation in women studied across the menstrual cycle</b> Brigitte Winklhofer-Roob (Austria)