

Organizers:
Paulo J Oliveira
(Coimbra, Portugal)
Catarina R Oliveira
(Coimbra, Portugal)



Coimbra, Portugal, 22-24 May 2019



Symposium 7 | Redox Signalling in Health and Disease

Organizer: José Viña (Valencia, Spain)
Giovanni Mann (London, UK)

Day: Thursday 23 all day
Meeting room: Meeting Room Copelia & Giselle, Hotel Vila Galé (Congress venue 1)

Thursday, 23 May

08.30-10.00 Session 1 : Oxidative stress in metabolic diseases

Chairs : José Viña (Valencia, Spain)
Giovanni Mann (London, UK)

08.30-09.00 **S7-L1 | Personalized nutrition in an aging society: redox control of age-related diseases**
Lars- Oliver Klotz (Jena, Germany)

09.00-09.30 **S7-L2 | Role of soluble NogoB in diabetic nephropathy: a protective role for the endothelium**
Luigi Gnudi (London, UK)

09.30-09.45 **S7-O1 | Increased plasmatic NETs by-products in patients in severe obesity**
Marco D'Abbondanza¹, Eva Edvige Martorelli¹, Maria Anastasia Ricci¹, Stefano De Vuono¹, Elisa Nulli Migliola¹, Donatella Siepi¹, Maria Teresa Paganelli¹, Norma Maugeri², Prof. Graziana Lupattelli¹
¹University of Perugia, Perugia, Italy, ²Autoimmunity and vascular inflammation Unit. San Raffaele Scientific Institute and Vita-Salute University, Milano , Milano, Italy

09.45-10.00 **S7-O2 | The effects of thiol-containing amino acids on the neuronal activity in the hippocampus of newborn rats**
Elina Gataulina¹, Viktoriya Shakhmatova¹, Elizaveta Ermakova¹, Evgeniya Kurmashova¹, Guzel Sitdikova¹, Aleksey Yakovlev¹
¹Kazan Federal University, Kazan, Russian Federation

10:00-10:30 Coffee-break

10.30-12.30 Session 2 : Oxidative stress in musculoskeletal frailty

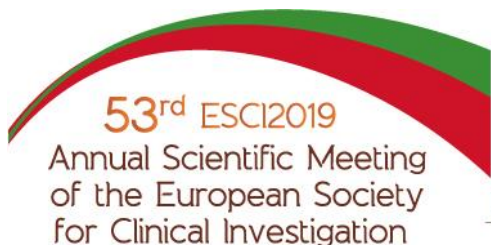
Chairs : José Viña (Valencia, Spain)
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10.30-11.00 **S7-L3 | Reactive oxygen species in age-related decline of skeletal muscle and the musculoskeletal system**
Malcolm Jackson (Liverpool, UK)



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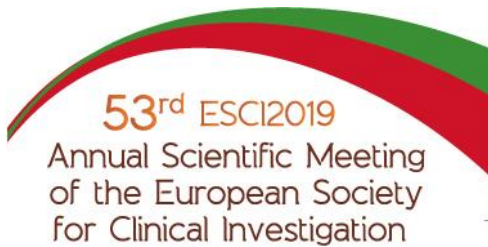


- 11.00-11.30 **S7-L4 | Frailty: a geriatric syndrome with a strong relationship to oxidative stress**
Leocadio Rodriguez Mañas (Madrid, Spain)
- 11.30-11.45 -
- 11.45-12.00 **S7-O4 | Functionality of neurovascular and neurometabolic coupling in the hippocampus of a rodent model of aging: impact on cognition**
Cátia F. Lourenço^{1,2}, Ana Ledo^{1,2}, Rui M. Barbosa^{1,2}, João Laranjinha^{1,2}
¹Center For Neuroscience and Cell Biology, University of Coimbra, Coimbra, PT, ²Faculty of Pharmacy, University of Coimbra, Coimbra, PT
- 12.00-12.30 Time for discussion
- 12.30-14.00 Poster session 1 and lunch
- 14.00-16.00 Session 3 : Oxidative stress in vascular diseases**
Chairs : José Viña (Valencia, Spain)
Giovanni Mann (London, UK)
- 14.00-14.30 **S7-L5 | The role of free radicals in atherosclerosis**
Anne Negre-Salvayre (Toulouse, France)
- 14.30-15.00 **S7-L6 | Cholesterol Oxidation Products in Health And Disease**
Giuseppe Poli (Torino, Italy)
- 15.00-15.15 **S7-O5 | An active lifestyle decreases the severity of prostate cancer lesions in male Wistar rats**
Paula Oliveira¹, Elisabete Nascimento-Gonçalves¹, Bruno Colaço¹, Rita Ferreira², Margarida Fardilha³, Ana Faustino-Rocha⁴, Maria Neuparth⁵, José Duarte⁵, Fernanda Seixas⁶, Daniel Moreira-Gonçalves⁵
¹CITAB, UTAD, Vila Real, Portugal, ²Organic Chemistry, Natural Products and Foodstuffs (QOPNA), Mass Spectrometry Center, Department of Chemistry, University of Aveiro (UA), Aveiro, Portugal, ³Institute for Biomedicine (iBiMED), Department of Medical Sciences, UA, Aveiro, Portugal, ⁴Faculty of Veterinary Medicine, Lusophone University of Humanities and Technologies, Lisbon, Portugal, ⁵CIAFEL, Faculty of Sports, University of Porto, Porto, Portugal, ⁶Animal and Veterinary Research Center (CECAV), UTAD, Vila Real, Portugal
- 15.15-15.30 **S7-O6 | The neuroprotective effect of N-acetylcysteine in the rat model of the endothelin-1-induced focal cerebral ischemia**
Gulshat Burkhanova¹, Kseniya Chernova¹, Julia Lebedeva¹, Andrey Zakharov¹, Rustem Khazipov^{1,2}
¹Kazan Federal University, Kazan, Russian Federation, ²INMED, Aix-Marseille University, Marseille, France
- 15.30-16.00 Time for discussion
- 16.00-16.30 Coffee-break



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16.30-18.00 Session 4 : Oxidative stress in neurodegenerative diseases

Chairs : José Viña (Valencia, Spain)
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16.30-17.00 **S7-L7 | Improvement of physiological functions in aging by exosomes derived from mesenchymal stem cells**

Consuelo Borrás (Valencia, Spain)

17.00-17.30 **S7-L8 | Aberrant redox signaling in Alzheimer's Disease**

Joao Laranjinha (Coimbra, Portugal)

17.30-18.00 **S7-L9 | Regulation of brain metabolism and cognitive function by astrocytic mitochondrial ROS**

Juan P Bolaños (Salamanca, España)

18.00-19.30 Poster session 2

20.30 Congress dinner



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