Society for Free Radical Research International

Agenda Monday
15 March 2021

Scientific Program

Time (CET)	Channel 1	Channel 2
11.30 – 12.30	**Trevor Slater Award Lecture** **A redox-centred view of skeletal muscle responses to exercise and ageing** Malcolm Jackson Institute of Ageing and Chronic Disease, University of Liverpool, UK	
12.30 – 13.30	**Oral Comunications 1**	**Narrated Communications** Discussion Session 1
	Break 1 hour	
14.30 – 16.00	**Narrated Communications** Discussion Session 2	**Narrated Communications** Discussion Session 3
16.00 – 18.00	**Symposium 2** **Precision Redox and Mitochondrial Quality in Aging** Chair: Chang Chen Institute of Biophysics, Chinese Academy of Sciences, Beijing, China Redox-stress response capacity decline and ER reductive stress in aging Chang Chen Institute of Biophysics, Chinese Academy of Sciences, Beijing, China Mitochondrial H2O2: new insights from imaging Vsevolod Belousov Department of Metabolism and Redox Biology, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Russia Mitochondrial transport and energy homeostasis in neuronal degeneration and regeneration Zu-Hang Sheng Synaptic Function Section, NINDS, NIH, USA Age and sex determine the effectiveness of redox adaptive homeostasis Kelvin J. A. Davies Leonard Davis School of Gerontology of the Ethel Percy Andrus Gerontology Center, University of Southern California, Los Angeles, USA	**Symposium 3** **Revising Redox Biology: New insights from Selenium** Chairs: Xingen Lei Cornell University, USA Yongping Bao University of East Anglia, UK New functions of selenoproteins: beyond redox reactivity Xingen Lei Cornell University, USA Relative importance of human and mouse selenoproteins Vadim Gladyshev Brigham and Women's Hospital, Harvard Medical School, Boston, USA The molecular underpinnings of selenium in ferroptosis Marcus Conrad Institute of Developmental Genetics, Helmholtz Zentrum München, Germany The selenoprotein thioredoxin reductase 1 (TrxR1, TXNRD1) as a main regulator of growth factor responses Elias Arnér Department of Medical Biochemistry and Biophysics (MBB). Karolinska Institutet, Stockholm, Sweden
18.00 – 18.30	**SFRR-I Executive Committee Meeting**	

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Agenda Tuesday
16 March 2021

Scientific Program

Time (CET)	Channel 1	Channel 2
09.00 – 11.00	**Symposium 4** **Role of Redox-active Metals for the Prevention and Treatment of Cancer in the Era of Precision Medicine** Chairs: Shinya Toyokuni Department of Pathology and Biological Responses, Nagoya University Graduate School of Medicine, Japan Des R. Richardson Pathology and Bosch Institute, University of Sydney, Australasia Role of ferroptosis in carcinogenesis and tumor biology Shinya Toyokuni Department of Pathology and Biological Responses, Nagoya University Graduate School of Medicine, Japan Targeting cellular signalling to inhibit tumour cell metastasis and growth: The iron and NDRG1 connection Des R. Richardson Pathology and Bosch Institute, University of Sydney, Australasia Anticancer platinum and gold compounds with thiol-targeting mechanisms of action Chun-Nam Lok Department of Chemistry and Chemical Biology Center, The University of Hong Kong, Hong Kong Nanochelator of iron for improved iron removal efficacy in various disease models Guangjun Nie National Center for Nanoscience and Technology, China	
	Break 30 min	
11.30 – 12.30	**Keynote Lecture I** **A mitochondrial etiology of complex diseases** Douglas Wallace The Center for Mitochondrial and Epigenomic Medicine at Children's Hospital of Philadelphia, Philadelphia, USA	
12.30 – 13.30	**Oral Comunications 2**	**Oral Comunications 3**