



Society for Free Radical Research – Europe

WEBINAR SERIES 2021 - 2022

The webinars will be held on the Zoom platform at the times indicated in the schedule below. Note all times are given in Central European Time (CET)

Link to join webinar: <https://zoom.us/j/94521633658?pwd=VzNUTzIJTkQzZ0JmeFc3bXcrNmxdz09>

Meeting ID: 945 2163 3658

Passcode: 329652

Seminars 2021 - 2022		
SEPTEMBER 2021		
THURSDAY 9	Hydrogen peroxide-mediated signalling	CET
Helmut Sies	Hydrogen peroxide, a central redox signaling agent	13.00
Fernando Antunes	Quantitative biology of H ₂ O ₂ signaling	13.30
THURSDAY 23	Protein-mediated redox signaling	
Francisco Laurindo	Protein Disulfide Isomerases: a novel emerging code for vascular redox signaling	13.00
Ana Denicola	Peroxiredoxins in redox signaling	13.30
OCTOBER 2021		
THURSDAY 7	Redox changes in systems biology	
Roland Stocker	Myeloperoxidase as a potential molecular imaging and therapeutic target for the identification and treatment of high-risk atherosclerotic plaque	9.00
Christine Winterbourn	Peroxidasin, a collagen IV cross-linking and brominating heme peroxidase associated with melanoma cell invasion	9.30
THURSDAY 21	Assessment of redox changes	
Rosa Barrio	Protein modification by SUMO: strategies to identify interactors of modified proteins	13.00
Dean Jones	Oxidative stress and integrative omics: When the effect causes the cause to change	13.30
NOVEMBER 2021		
THURSDAY 11	Aging and potential prevention	
Andreas Simm	Protein glycation – the double-edged sword: between aging and prevention	16.00
Danica Chen	Aging: Through the Lens of Metabolism	16.30
THURSDAY 25	Electrophile modification of proteins	
Elias Arnér	Thioredoxin Reductase as an anticancer drug target	13.00
Dolores Pérez-Sala	Type III intermediate filaments as players in redox and electrophile sensing	13.30
DECEMBER 2021		

THURSDAY 2	Redox changes in the gastro-intestinal tract	
Anne-Laure Bulteau	The bacteria that whisper at the gut mitochondria	13.00
Fiorella Biasi	Dietary oxysterols and the intestinal damage: modulation of redox signals and therapeutic opportunities	13.30
THURSDAY 16	Enzyme-mediated oxidant formation	
Katrin Schröder	Role of NADPH oxidases in cellular differentiation	13.00
Steen Vang Petersen	SOD3 – a protector or provider of reactive intermediates?	13.30
JANUARY 2022		
THURSDAY 6	Epiphany	
THURSDAY 20	Lipid peroxidation and cellular dysfunction	
Holly van Remmen	Role of Lipid Hydroperoxides in Denervation Induced Muscle Atrophy	16.00
Corinne Spickett	Effects of lipoxidation on protein and cell function	16.30
FEBRUARY 2022		
THURSDAY 3	Redox state and cell function in plants	
Nicholas Smirnoff	The use of genetically-encoded probes to investigate light and pathogen responses of plants	13.00
Stanislaw Karpinski	Genetic modification of trees for industry	13.30
THURSDAY 17	Oxidation products as markers and drivers of disease	
Henrik Poulsen	Oxidative RNA and DNA modification in human diseases and prognostic value	13.00
Giuseppe Poli	Cholesterol oxidation products in health and disease	13.30
MARCH 2022		
THURSDAY 10	Redox imbalances and disease	
Niki Chondrogianni	Proteasome activation against aging and proteotoxicity	13.00
Marzia Perluigi	Redox imbalance and metabolic defects in the brain of Down Syndrome: a synergistic path to Alzheimer's neurodegeneration	13.30
THURSDAY 24	Cellular dysfunction in cancer and ageing	
Consuelo Borrás	Extracellular vesicles from young mice improve health span in old mice	13.00
Dimitris Kletsas	Cellular senescence in tumor development	13.30
APRIL 2022		
THURSDAY 14	Aging and hormesis	
Michael Ristow	Mitohormesis: how low-dose ROS promote health and longevity	13.00
Jose Vina	Centenarians as an example of successful aging	13.30
THURSDAY 28	Redox regulation in plants	
Cao Xu	Redox regulated protein phase separation controls plant stem cell fate	13.00
Christine Foyer	Reflections on ROS functions in plants	13.30
MAY 2022		
THURSDAY 12	Protein aggregation and redox imbalance	
Kostas Vekrellis	Hitching a ride to the next cell: Extracellular alpha synuclein and the prion-spread of disease pathology	16.00

Allan Butterfield	Amyloid beta-peptide and brain oxidative damage: intersection of the lipid peroxidation product HNE, glucose dysmetabolism, and Alzheimer disease	16.30
THURSDAY 26		
Michaela Filiou	Exploring how mitochondria affect brain (dys)function	13.00
M. Cristina Polidori	Nutritional neuroscience and cognitive frailty	13.30