

Tuesday, June 2, 2026

19:00 – 20:00 **SFRR-E Conference Registration** (*Hilton Mainz*)

20:00 – 22:00 **SFRR-E Welcome Reception** (*Hilton Mainz*)

Day 1

Wednesday, June 3, 2026

07:00 – 08:00 **Welcome Coffee / Registration / Exhibition & Poster Set-up** (*Goldsaal Foyer*)

Welcome Session (*Goldsaal A-D*)

08:00 – 08:05 **Giuseppe Valacchi** (*President of SFRR-E*)

08:05 – 08:10 **Andreas Daiber and Tilman Grune** (*Chair and Co-Chair of the Local Organizing Committee*)

08:10 – 08:15 **Stefan Müller-Stach** (*Vice President for Research and Early Career Academics of the Johannes Gutenberg University Mainz*)

08:15 – 08:20 **Philipp Drees** (*Scientific Director and Dean of the University Medical Center Mainz and Medical Faculty of Johannes Gutenberg University Mainz*)

08:20 – 08:25 **Enrique Cadenas** (*Chair of the OCC Board of Directors*)

08:25 – 08:30 **Giovanni E. Mann** (*Past President of SFRR-E*)

SFRR-E Annual Award Lecture (*Goldsaal A-D*)

Chairs: Giuseppe Valacchi Valacchi (Department of Environmental and Prevention Sciences, University of Ferrara, Ferrara, Italy, Animal Science Department, Plants for Human Health Institute, NC State University, Kannapolis, NC, USA, and Department of Food and Nutrition, Kyung Hee University, Seoul, South Korea), and Niki Chondrogianni (National Hellenic Research Foundation, Athens, Greece)

08:30 – 09:00 AL_01 **Clare L. Hawkins** (*Department of Biomedical Science, University of Copenhagen, Copenhagen, Denmark*)

Neutrophils as drivers of cellular damage and inflammation in disease.

SFRR-E Clinical Science Award Lecture (*Goldsaal A-D*)

Chairs: Giovanni Mann (School of Cardiovascular and Metabolic Medicine & Sciences, King's British Heart Foundation Centre of Research Excellence, Faculty of Life Sciences & Medicine, King's College London, London, U.K.), and Andreas Daiber (Laboratory for Molecular Cardiology, Department of Cardiology 1, University Medical Center Mainz, Mainz, Germany)

09:00 – 09:30 AL_02 **Christian Heiss** (*School of Medicine, University of Surrey, Guildford, U.K., Vascular Department, Surrey and Sussex Healthcare NHS Trust, Redhill, U.K.*)

From nitric oxide biology to precision vascular medicine.

SFRR-E Basic Science Award Lecture (*Goldsaal A-D*)

Chairs: Juan Sastre (Department of Physiology, Faculty of Pharmacy, University of Valencia, Valencia, Spain), and Enrique Cadenas (Pharmacology and Pharmaceutical Sciences, USC Mann School of Pharmacy and Pharmaceutical Sciences, University of Southern California, Los Angeles, CA, USA)

09:30 – 10:00 AL_03 **Elias Arner** (*Division of Biochemistry, Department of Medical Biochemistry and Biophysics, Karolinska Institutet, Stockholm, Sweden*)

Selenoproteins and reductive enzyme pathways in control of cell fate.

<p>10:00 – 10:15</p> <p>10:15 – 10:30</p>	<p>ECR Fellowship Presentations (Goldsaal A-D) <i>Chairs: <u>Carmen Veith</u> (Calliditas Therapeutics, Geneva, Switzerland), and <u>Michael J. Davies</u> (Department of Biomedical Science, University of Copenhagen, Copenhagen, Denmark)</i></p> <hr/> <p>ECR_01 Vanesa Cepas López (Department of Oncology, University of Turin, Candiolo Cancer Institute FPO-IRCCS, Turin, Italy) Redox regulation of cancer stem cell heterogeneity in breast cancer patient-derived organoids.</p> <p>ECR_02 Tim Baldensperger (Institute of Biological Chemistry, University of Vienna, Vienna, Austria) Advancing strategies to combat lipofuscin toxicity.</p>		
<p>10:30 – 11:00</p>	<p>Coffee / Poster / Exhibition (Brasserie Foyer / Goldsaal Foyer)</p>		
<p>11:00 – 12:00</p>	<p>Environmental Exposure – Introductory Session (Goldsaal A-D) <i>Chairs: <u>Mark Miller</u> (Centre for Cardiovascular Science, University of Edinburgh, Edinburgh, U.K.) and <u>Thomas Münzel</u> (University Medical Center, Johannes Gutenberg University, Mainz, Germany)</i></p> <hr/> <p>PL_01 Sanjay Rajagopalan (University Hospitals, Harrington Heart and Vascular Institute, Case Western Reserve School of Medicine, Cleveland, OH, USA) Toxic exposures to transformative exposomics: towards holistic frameworks to understand cardiovascular health.</p> <p>PL_02 Thomas Münzel (University Medical Center, Johannes Gutenberg University, Mainz, Germany) Traffic Noise: The not-so-silent killer—how oxidative stress and inflammation drive cardiovascular disease.</p>		
<p>12:00 – 13:00</p>	<p>Plenary Lectures <i>Chairs: <u>Andreas Daiber</u> (Laboratory for Molecular Cardiology, Department of Cardiology 1, University Medical Center Mainz, Mainz, Germany), and <u>Tilman Grune</u> (German Institute of Human Nutrition Potsdam-Rehbruecke, Nuthetal, Germany)</i></p> <hr/> <p>PL_03 Bernd Moosmann (University Medical Center, Johannes Gutenberg University, Mainz, Germany) What cysteine and methionine in mitochondrial proteins reveal about the rate-limiting redox step of the biological aging process.</p> <p>PL_04 Antonio Cuadrado (Department of Biochemistry, Faculty of Medicine Autonomous University of Madrid, Madrid, Spain) Transcription factor NRF2: from redox control to disease intervention.</p>		
<p>13:00 – 14:00</p>	<p>Lunch (Brasserie Foyer)</p>	<p>13:00 – 14:00</p>	<p>ECR Mentoring Lunch (Brasserie Foyer) Elsevier Editors' Lunch (Brasserie Foyer)</p>
	<p>Symposium I – Redox Changes and Oxidative Stress by Air Pollution – Contribution to the Redox Exposome (Goldsaal A-B)</p>		<p>Symposium II – Exercise, Inflammation, and Redox Biology: Turning Stress into Adaptation (Goldsaal C-D) <i>Chairs: <u>Daniela Caporossi</u> (Department of Movement, Human and Health Sciences, University of Rome Foro Italico, Rome, Italy), and</i></p>

<p>14:00 – 14:30</p> <p>14:30 – 15:00</p> <p>15:00 – 15:30</p>	<p><i>Chairs: <u>Pablo Evelson</u> (Department of General and Inorganic Chemistry, School of Pharmacy and Biochemistry, University of Buenos Aires, Buenos Aires, Argentina), and <u>Andreas Daiber</u> (Laboratory for Molecular Cardiology, Department of Cardiology 1, University Medical Center Mainz, Mainz, Germany)</i></p> <hr/> <p>SL I_01 Natalia Magnani (Department of Chemical Science, General and Inorganic Chemistry, School of Pharmacy and Biochemistry, University of Buenos Aires, Buenos Aires, Argentina) Air pollution exposure impairs alveolar epithelium repair through oxi-inflammatory pathways.</p> <p>SL I_02 Marin Kuntic (Laboratory for Molecular Cardiology, Department of Cardiology 1, University Medical Center Mainz, Mainz, Germany) Effects of particulate matter and noise on multiple organ systems – potential pharmacological interventions.</p> <p>SL I_03 Timoteo Marchini (Department of Cardiology and Angiology, University Heart Center Freiburg-Bad Krozingen, University Hospital Freiburg, Freiburg, Germany) Redox and inflammatory mechanisms of fine particulate matter-induced cardiometabolic derangements.</p>	<p>14:00 – 14:30</p> <p>14:30 – 15:00</p> <p>15:00 – 15:30</p>	<p><i>Maria Carmen Gómez-Cabrera (Department of Physiology, Faculty of Medicine, University of Valencia, Valencia, Spain)</i></p> <hr/> <p>SL II_01 Maria Carmen Gómez Cabrera (Department of Physiology, Faculty of Medicine, University of Valencia, Valencia, Spain) Role of redox signaling in skeletal muscle damage an adaptation to training in young and old populations.</p> <p>SL II_02 Johanna Lanner (Department of Physiology and Pharmacology, Molecular Muscle Physiology and Pathophysiology, Karolinska Institutet, Stockholm, Sweden) Unraveling molecular mechanisms of ROS and mitochondrial dysfunction in musculoskeletal impairments.</p> <p>SL II_03 Malcolm Jackson (Department of Musculoskeletal and Ageing Science, Institute of Life Course and Medical Sciences, University of Liverpool, Liverpool, U.K.) Hydrogen peroxide as a stimulant of adaptations to physical activity in skeletal muscle and the potential facilitatory role of peroxiredoxins.</p>
<p>15:30 – 15:45</p>	<p>Selected Oral Presentations I – Redox Signaling & Molecular Biology (Goldsaal A-B) <i>Chairs: <u>Chris Kevil</u> (Center for Redox Biology and Cardiovascular Disease, COBRE, LSU Health Shreveport, Shreveport, LA, USA), and <u>Ana Ledo</u> (Faculty of Pharmacy, University of Coimbra, Portugal)</i></p> <hr/> <p>OP I_01 Alessandra Pecorelli, Anna Guiotto, Andrea Vallese, Sara Melija, and Giuseppe Valacchi (Department of Environmental and Prevention Sciences, University of Ferrara, Ferrara, Italy)</p>	<p>15:30 – 15:45</p>	<p>Selected Oral Presentations II - Metabolism and Nutrition (Goldsaal C-D) <i>Chairs: <u>Antonio Martinez-Ruiz</u> (Instituto de Investigación Sanitaria Princesa, Madrid, Spain), and <u>Aleksandra Korac</u> (Faculty of Biology, University of Belgrade, Belgrade, Serbia)</i></p> <hr/> <p>OP II_01 Eugenio Barone, Simona Lanzillotta, Barbara Zulli, Valeria Sommella, Gabriele Paolozzo, Anna Picca, Riccardo Calvani, Emanuele Marzetti, Virginia Boccardi, Roberta Cecchetti, Bindu Paul, Patrizia Mecocci, Antonella Tramutola, Fabio Di Domenico, and Marzia Perluigi (Department of Biochemical</p>

15:45 – 16:00	<p>MAM proteomics identifies progressive ER–mitochondria signaling dysfunction in Rett Syndrome.</p> <p>OP I_02 Sara Melija, Alessandra Pecorelli, and Giuseppe Valacchi (<i>Department of Environmental and Prevention Sciences, University of Ferrara, Ferrara, Italy</i>)</p> <p>ER–mitochondria associated membranes (MAMs) dysfunction in Rett Syndrome: Investigating calcium signaling alterations and potential therapeutic strategies.</p>		<p><i>Sciences “A. Rossi-Fanelli”, Sapienza University of Rome, Rome, Italy</i>)</p> <p>Biliverdin reductase A and metabolic resilience in Alzheimer’s disease.</p>
16:00 – 16:15	<p>OP I_03 Eva Martín Prieto, Leonardo Catalano-Iniesta, Escarlata Fernández-Puente, Luan Americo-Da-Silva, Paula Montaña-Collao, Pedro Lobos, Paola Llanos, and Jesús Palomero (<i>Department of Physiology and Pharmacology, Institute of Neurosciences of Castilla y León, INCYL, Institute of Biomedical Research of Salamanca, IBSAL, University of Salamanca, Salamanca, Spain</i>)</p> <p>Oxidative eustress regulates insulin signaling and promotes GLUT4-mediated glucose uptake in insulin-resistant skeletal muscle fibres.</p>	15:45 – 16:00	<p>OP II_02 Julia Jelleschitz, Annette Brandt, Klara Brehm, Vanessa Schnell, Tobias Jung, Ina Bergheim, and Annika Höhn (<i>Department of Molecular Toxicology, German Institute of Human Nutrition Potsdam-Rehbruecke, Nuthetal, Germany</i>)</p> <p>Age-dependent roles of Toll-like receptor 4 in islet inflammation and endocrine function.</p>
16:15 – 16:30	<p>OP I_04 Souradeep Chatterjee, Niklas Herrle, Pedro F. Malacarne, Timothy Warwick, Luciana Hannibal, Ralf P. Brandes, Flavia Rezende (<i>Institute for Cardiovascular Physiology, Goethe University, Frankfurt, Germany</i>)</p> <p>Kynurenine aminotransferases salvage methionine via glutamine transamination in endothelial cells.</p>	16:00 – 16:15	<p>OP II_03 Barbara Rocha, Beatriz Paiva, Cátia Marques, Ana Ledo, and João Laranjinha (<i>Faculty of Pharmacy, University of Coimbra, Coimbra, Portugal</i>)</p> <p>Nitrate-mediated redox communication: a novel inter-kingdom signaling pathway between gut microbiota and host epithelial cells during dysbiosis.</p>
16:30 – 16:45	<p>OP I_05 Asel Aydeđer, Sena Yildirim, Tuba Akgul Caglar, Asal Ghaffari Zaki, Seyed Miri, Joudi Armouch, Hamzah Issa, Esranur Yavuz, Arda Kebapçı, Mehmet Koçak, Roland Malli, Pierre Gressens, Nikolaus Plesnila, and Emrah Eroglu (<i>Research Institute for Health Sciences and Technologies, Istanbul Medipol University, Istanbul, Türkiye</i>)</p> <p>Selective engagement of nitric oxide signaling as a feedback regulator of hippocampal calcium dynamics.</p>	16:15 – 16:30	<p>OP II_04 Beatriz Paiva, Beatriz Murta, João Laranjinha, Bárbara Rocha, and Ana Ledo (<i>Center for Neuroscience and Cell Biology and Faculty of Pharmacy, University of Coimbra, Coimbra, Portugal</i>)</p> <p>Dietary nitrate as a modulator of host–microbiota redox interactions under antibiotic-induced dysbiosis.</p>
		16:30 – 16:45	<p>OP II_05 Ena Simunic, Kate Šešelja, Iva Podgorski, Robert Belužić, Marija Mavar, Marijana Popović Hadžija; Mirna Halasz, Morana Jaganjac, Sara Stojanović, Aleksandra Korać, Tihomir Balog, and Sandra Sobočanec (<i>Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb, Croatia</i>)</p> <p>Loss of Sirtuin 3 drives lipid remodeling and mitochondrial sensitivity to Western diet-induced oxidative stress.</p>
		16:45 – 17:00	<p>OP II_06 Ivana Masci, Timoteo Marchini, Christian Lezón, Laura Álvarez, Melisa Kurtz, and Deborah Tasat (<i>Environmental</i></p>

16:45 – 17:00	<p>OP I_06 Rayen De Fazio, Joshua Godoy Coto, María Ciancio, Alejandro Orłowski, Ernesto Aiello, Carolina Jaquenod De Giusti (<i>Cardiovascular Research Center, CIC - Dr. Horacio E. Cingolani, National University of La Plata, La Plata, Argentina</i>)</p> <p>Mitochondrial NHE1 mediates ROS-dependent mPTP opening via hyperpolarization.</p>		<p><i>Biotoxicology Laboratory, Institute of Emerging Technologies and Applied Sciences, University of San Martín-CONICET, Buenos Aires, Argentina</i></p> <p>Early-life undernutrition modifies redox and inflammatory immune–cardiovascular responses to air particulate matter.</p>
19:00 – 20:00	<p>ECR Networking (<i>Goldsaal A-B</i>)</p>		<p>Elsevier Editors Meeting (<i>Goldsaal C-D</i>)</p>

Day 2
Thursday, June 4, 2026

07:00 – 07:30	Welcome Coffee	
	<p>Sunrise Session I – Air Pollution and Redox Biology in the Lung - Insights from Preclinical and Computational Approaches (Goldsaal A-B) <i>Chairs: Daniela Caporossi (Department of Movement, Human and Health Sciences, University of Rome “Foro Italico”, Rome, Italy) and Ralf Brandes (Goethe University, Institute for Cardiovascular Physiology, Frankfurt, Germany)</i></p> <p>-----</p> <p>07:30 – 07:50 SE I_01 Timoteo Marchini (Vascular Immunology Laboratory, Department of Cardiology and Angiology, University Heart Center Freiburg-Bad Krozingen, Faculty of Medicine, University of Freiburg, Freiburg, Germany) Air pollution and redox biology: insights from animal studies.</p> <p>07:50 – 08:10 SE I_02 Mariana Garcés (Institute of Biochemistry and Molecular Medicine, Doctor Alberto Boveris, IBIMOL UBA-CONICET, University of Buenos Aires, Faculty of Pharmacy and Biochemistry, Buenos Aires, Argentina) From 2D to 3D, the evolution and impact of in vitro air pollution exposure models.</p> <p>08:10 – 08:30 SE I_03 Thomas Berkemeier, Ashmi Mishra, Matteo Krüger, Anna T. Backes, Ulrich Pöschl (Multiphase Chemistry Department, Max Planck Institute for Chemistry, Mainz, Germany) Air pollution and oxidative damage in the lung epithelial lining fluid - insights from computational investigations.</p>	<p>Sunrise Session II – How to Write a Good Paper and a Successful Grant Application (Goldsaal C-D) <i>Chairs: Marzia Perluigi (Department of Biochemical Sciences “A. Rossi Fanelli”, Sapienza University, Rome, Italy) and Tilman Grune (German Institute of Human Nutrition Potsdam-Rehbruecke, Nuthetal, Germany)</i></p> <p>-----</p> <p>07:30 – 08:00 SE II_01 Mark Gannon (Elsevier, Oxford, UK) Publishing your first article: best practices for preparing and submitting a manuscript.</p> <p>08:00 – 08:30 SE II_02 Anna-Liisa Levonen (A.I. Virtanen Institute for Molecular Sciences, University of Eastern Finland, Kuopio, Finland) How to write a successful grant application: from Early-career fellowships to EU consortia.</p>
	<p>Flash Talks I – Redox biology of human diseases (Goldsaal A-B) <i>Chairs: Katja Kanninen (A.I. Virtanen Institute for Molecular Sciences, University of Eastern Finland, Kuopio, Finland), and</i></p>	<p>Flash Talks II – Inflammation and redox-regulated adaptations (Goldsaal C-D) <i>Chairs: Ana Ledo (Faculty of Pharmacy, University of Coimbra, Portugal) and Uladzimir Barayeu (Department of Environmental</i></p>

<p>08:30 – 08:35</p> <p>08:35 – 08:40</p> <p>08:40 – 08:45</p> <p>08:45 – 08:50</p>	<p><i>Antonio Martinez-Ruiz (Unidad de Investigación, Hospital Santa Cristina, Instituto de Investigación Sanitaria Princesa, IIS-IP, Madrid, Spain)</i></p> <hr/> <p>FT I_01/PP II_B03 Dominika Mihaliková, Alexander Czarnowski, Lea Strohm, Michael Molitor, Marin Kuntic, Dominik Gillenkirch, Natalie Wörle, Pauline Linnebach, Philipp Lurz, Andreas Daiber, Thomas Jansen, and Paul Stamm <i>(Department of Cardiology, Cardiology I, University Medical Center Mainz, Mainz, Germany)</i> AMPK as a key mediator of cardioprotection in doxorubicin-induced cardiotoxicity.</p> <p>FT I_02/PP II_B02 Ramona Clemen, Wiebke Dethloff, Kevin Arlt, and Sander Bekeschus <i>(Leibniz Institute for Plasma Science and Technology, ZIK plasmatis, Greifswald, Germany)</i> Oxidized insulin alters glucose signaling and has immunogenic potential.</p> <p>FT I_03/PP I_B03 Nuria Goya Iglesias, Per Hagglund, Paula Martínez-Cenalmor, Tina Nybo, Lasse Gobel Lorentzen, Maria A Pajares, Michael J. Davies, and Dolores Pérez-Sala <i>(Department of Cellular and Molecular Biosciences, Centro de Investigaciones Biológicas Margarita Salas, C.S.I.C., Madrid, Spain)</i> Mutations of glial fibrillary acidic protein associated with Alexander disease increase susceptibility to protein modification and network disruption by oxidants.</p> <p>FT I_04/PP I_B02 Mikaela Pinz, Isadora Medeiros, Luiz Souza. Larissa Diniz, Natalia Oddone, Dhilan Sharma, Sayuri Miyamoto, Marcelo Comini, Paul Witting, and Flavia Meotti <i>(Department of Biochemistry, University of Sao Paulo, Sao Paulo, Brazil)</i> Uric acid– driven redox modulation in endothelial cells: Insights from a novel biosensor.</p>	<p>08:30 – 08:35</p> <p>08:35 – 08:40</p> <p>08:40 – 08:45</p> <p>08:45 – 08:50</p>	<p><i>Medicine and Molecular Toxicology, Tohoku University Graduate School of Medicine, Sendai, Japan)</i></p> <hr/> <p>FT II_01/PP II_B09 Solveigh Koeberle, Loc Le Xuan, and Andreas Koeberle <i>(Department of Pharmacognosy, Institute of Pharmaceutical Sciences, University of Graz, Graz, Austria)</i> Non-canonical ferroptosis inhibitor orchestrates metabolic, redox, and iron-regulatory adaptations.</p> <p>FT II_02/PP I_C04 Néstor Jiménez Cañete, Marc Beltrà, Antonio Zorzano, Sergio Rius-Pérez, and Juan Sastre <i>(Department of Physiology, University of Valencia, Valencia, Spain)</i> Mitofusin 2 deficiency causes pancreatic fibrosis after inducing acute pancreatitis in mice.</p> <p>FT II_03/PP I_D10 Marco Morosetti, Francesco Mengarelli, Loredana Rao, Sonia Silvestri, Andrea Frontini, Michele Guescini, Luca Tiano and Patrick Orlando <i>(Department of Life and Environmental Sciences, Polytechnic University of Marche, Ancona, Italy)</i> Coq10 supplementation prevents the inhibition of myogenic differentiation in injured c2c12 murine myoblasts.</p> <p>FT II_04/PP I_C02 Irene Cánovas-Cervera, Elena Nacher-Sendra, Carolina Ferrando, Francisco Ros-Valverde, David Bolado, Beatriz Quevedo, Georgia García-Fernández, José Santiago Ibáñez-Cabellos, Marta Seco-Cervera, Nieves Carbonell, Salvador Mena-Mollá, Federico Pallardó, and José Luis García-Giménez <i>(Department of Physiology, Faculty of Medicine, University of Valencia, Valencia, Spain)</i> Methylation analysis of sepsis patients reveals intrinsic differences at admission.</p>
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<p>08:50 – 08:55</p> <p>08:55 – 09:00</p>	<p>FT I_05/PP II_B01 Sehee Yoon and Kukro Yoon (<i>Department of Internal Medicine, Konyang University College of Medicine, Daejeon, South Korea</i>) Copper oxide nanoparticles restore redox-regulated autophagic homeostasis via tfeb signaling in colistin-induced acute kidney injury.</p> <p>FT I_06/PP I_D11 Ufuk Ersoy and Malcolm Jackson (<i>Department of Musculoskeletal and Ageing Sciences, Institute of Life Course and Medical Sciences, University of Liverpool, UK</i>) Ageing alters cysteine oxidation-mediated redox signalling in skeletal muscle: Integrative omics and AI-based structural predictions.</p>	<p>08:50 – 08:55</p> <p>08:55 – 09:00</p>	<p>FT II_05/PP I_C05 Meiling Wu, Shenyu Yan, Sulan Yu, Xiang Lin, and Jiangang Shen (<i>School of Chinese Medicine, The University of Hong Kong, Hong Kong, China</i>) Targeting peroxynitrite-induced IL-2R nitration enhances Treg cell-based immunotherapy.</p> <p>FT II_06/PP I_D09 Abril Gorgori González, Silvana Soto-Rodriguez, Jorge Serna-de Pradenas, Remus Lupu, Kristine Stromsnes, Eva Tamayo-Torres, Miriam Martinez-Canton, Nimra Razzaq, Jaime López, Aitor Carretero, Juan Gambini, Gloria Olaso-Gonzalez, and Maria del Carmen Gomez-Cabrera (<i>Department of Physiology, Faculty of Medicine, University of Valencia, Valencia, Spain</i>) Resistance training preserves functional capacity in aged mice: interactions with harmol and piceid supplementation.</p>
<p>09:00 – 09:30</p> <p>09:30 – 10:00</p>	<p>Symposium III – Lipid Peroxidation and Ferroptosis in Health and Disease (Goldsaal A-B) <i>Chairs: <u>Marcus Conrad</u> (Institute of Metabolism and Cell Death, Helmholtz Center Munich and Technical University of Munich, Munich, Germany), and <u>José Pedro Friedmann Anqeli</u> (Rudolf Virchow Zentrum, Center for Integrative and Translational Bioimaging, University of Würzburg, Würzburg, Germany)</i></p> <p>-----</p> <p>SL III_01 Maria Fedorova (<i>Center of Membrane Biochemistry and Lipid Research, Technical University of Dresden, Faculty of Medicine Carl Gustav Carus, Dresden, Germany</i>) Lipid peroxidation as a marker of ferroptotic cell death: analytical and biochemical perspectives.</p> <p>SL III_02 Derek Pratt (<i>University of Ottawa, Ottawa, Canada</i>) Spatiotemporal monitoring of subcellular lipid peroxidation during ferroptosis enables the targeting of hotspots for intervention.</p>	<p>09:00 – 09:30</p> <p>09:30 – 10:00</p>	<p>Symposium IV – Lipid and Epilipid Signatures of Metabolic and Environmental Stress (Goldsaal C-D) <i>Chairs: <u>Francisco José Schopfer</u> (Department of Pharmacology and Chemical Biology, School of Medicine, University of Pittsburgh, Pittsburgh, PA, USA), and <u>Corinne M. Spickett</u> (School of Biosciences, College of Health and Life Sciences, Aston University, Birmingham. UK)</i></p> <p>-----</p> <p>SL IV_01 Matej Orešič (<i>School of Medical Sciences, Örebro University, Örebro, Sweden</i>) Lipidomic approaches to study the exposome in health and disease.</p> <p>SL IV_02 Francisco José Schopfer (<i>Department of Pharmacology and Chemical Biology, School of Medicine, University of Pittsburgh, Pittsburgh, PA, USA</i>) Stored for the storm: phospholipids release anti-inflammatory nitro-lipids in endotoxemia.</p>

10:00 – 10:30	SL III_03 Uladzimir Barayeu (<i>Department of Biomolecular Mechanics, Max Planck Institute for Polymer Research, Mainz, Germany, and Tohoku University, Sendai, Japan</i>) Mammals produce cyclo-octasulfur to suppress lipid peroxidation and ferroptosis.	10:00 – 10:30	SL IV_03 Tiago Alexandre Teixeira de Sousa Conde (<i>Department of Chemistry, Centro de Estudos do Ambiente e do Mar, University of Aveiro, Aveiro, Portugal</i>) Algal lipids and epilipids as markers of environmental stress and beneficial bioactive compounds.
10:30 – 11:00	Coffee / Poster / Exhibition (Brasserie Foyer / Goldsaal Foyer)		
	Symposium V – Switches in the Balance: Redox Regulation of Kinase–Phosphatase Signalling (<i>Goldsaal A-B</i>) <i>Chairs: Paraskevi Kritsiligkou</i> (<i>Department of Biochemistry, Cell and Systems Biology University of Liverpool, Liverpool, U.K.</i>), and <i>Olena Rudyk</i> (<i>School of Cardiovascular and Metabolic Medicine & Sciences, Faculty of Life Science and Medicine, King’s College London, London, U.K.</i>)		Symposium VI – Principles of Compartmentalized Redox Signaling across Kingdoms (<i>Goldsaal C-D</i>) <i>Chairs: Vanesa Cepas López</i> (<i>Department of Oncology, University of Turin, Candiolo Cancer Institute FPO-IRCCS, Turin, Italy</i>), and <i>José Manuel Ugalde</i> (<i>Institute of Crop Science and Resource Conservation. INRES, Faculty of Agriculture, University of Bonn, Bonn, Germany</i>)
11:00 – 11:30	SL V_01 Hayley Sharpe (<i>Babraham Institute, Cambridge, U.K.</i>) Cysteine redox switches in phosphotyrosine signalling.	11:00 – 11:30	SL VI_01 José Manuel Ugalde (<i>Institute of Crop Science and Resource Conservation. INRES, Faculty of Agriculture, University of Bonn, Bonn, Germany</i>) Shining light into plant redox dynamics.
11:30 – 12:00	SL V_02 Dominic Byrne (<i>Department of Biochemistry, Cell and Systems Biology, University of Liverpool, Liverpool, U.K.</i>) Understanding oxidation-dependent regulation of protein kinases.	11:30 – 12:00	SL VI_02 Ilaria Sorrentino (<i>Department of Bioengineering, Carlos III University of Madrid, Madrid, Spain</i>) ER peroxiporin, more than a channel.
12:00 – 12:30	SL V_03 Olena Rudyk (<i>School of Cardiovascular and Metabolic Medicine & Sciences, Faculty of Life Science and Medicine, King’s College London, London, U.K.</i>) Disulfide dependent PKAR1α regulation as a novel redox sensing mechanism of vasodilation.	12:00 – 12:30	SL VI_03 Laura de Cubas Landaluce (<i>Division of Redox Regulation, German Cancer Research Center, DKFZ, Heidelberg, Germany</i>) Exploring the interplay between redox and condensate biology.
	Flash Talks III – Brain function, neurodegeneration and ischemia-reperfusion (<i>Goldsaal A-B</i>)		Flash Talks IV – Environmental and pharmaceutical exposures III (<i>Goldsaal C-D</i>) <i>Chairs: Hozumi Motohashi</i> (<i>Department of Medical Biochemistry, Tohoku University Graduate School of Medicine, Sendai, Japan</i>),

	<p>Chairs: <u>Chang Chen</u> (Institute of Biophysics, Chinese Academy of Sciences, Beijing, China), and <u>Maria Federova</u> (Technische Universität Dresden, Dresden, Germany)</p> <p>-----</p>		<p>and <u>Christiane Ott</u> (German Institute of Human Nutrition Potsdam-Rehbruecke, Nuthetal, Germany)</p> <p>-----</p>
12:30 – 12:35	<p>FT III_01/PP I_D01 Fabio Di Domenico, Sara Pagnotta, Viviana Greco, A Tramutola, Eugenio Barone, Y Herault, E Head, Andrea Urbani, and Marzia Perluigi (Department of Biomedical Sciences, Sapienza University, Rome, Italy)</p> <p>Proteome profile of Alzheimer-like phenotypes in the brain of young and old individuals with Down Syndrome: focus on BACH1/NRF2 axis.</p>	12:30 – 12:35	<p>FT IV_01/PP I_A01 Mariana Garcés, Marcela Moretton, Alessandra Pecorelli, Octavio Diana, Ailen Hvozda Arana, Natalia Magnani, Diego Chiappeta, Giuseppe Valacchi, and Pablo Evelson (Institute of Biochemistry and Molecular Medicine, Doctor Alberto Boveris, University of Buenos Aires, Buenos Aires, Argentina)</p> <p>Co-delivery of ibuprofen and curcumin in nebulized polymeric micelles to optimize household air pollution adverse effects.</p>
12:35 – 12:40	<p>FT III_02/PP I_C09 Laura Gemmo, Sara Melija, Alessandra Pecorelli, and Giuseppe Valacchi (Department of Environmental and Prevention Sciences, University of Ferrara, Ferrara, Italy)</p> <p>Defective PI3K/Akt–FoxO3a–mediated stress adaptation in Rett Syndrome.</p>	12:35 – 12:40	<p>FT IV_02/PP I_A02 Ramses Belda Perez, Teresa Vergara, Andrea Bianchi, Martina Placidi, Valeria Cordone, Carla Tatone, and Giovanna Di Emidio (Department of Life, Health and Environmental Science, University of L'Aquila, L'Aquila, Italy)</p> <p>Oral administration of nano- and microplastics disrupts redox homeostasis and spindle organization in mouse oocytes: enhancement by low-dose cadmium and limited protection by melatonin.</p>
12:40 – 12:45	<p>FT III_03/PP I_B01 Beatriz Paiva, Cândida Dias, Cátia Lourenço, João Laranjinha, and Ana Ledo (Faculty of Pharmacy, University of Coimbra, Portugal)</p> <p>Dietary nitrate drives nitrite signaling to restrain Complex I reverse electron transfer after ischemia-reperfusion.</p>	12:40 – 12:45	<p>FT IV_03/PP I_A03 Andrea Bianchi, Teresa Vergara, Ramses Belda Perez, Carla Tatone, Giovanna Di Emidio, and Valeria Cordone (Department of Life, Health and Environmental Science, University of L'Aquila, L'Aquila, Italy)</p> <p>Resveratrol counteracts redox imbalance and mitochondrial dysfunctions induced by nano and microplastics (NMPs) in Human Granulosa Cells.</p>
12:45 – 12:50	<p>FT III_04/PP I_D03 Jiangang Shen, Qing Liu, and Ziqiao Xu (School of Chinese Medicine, University of Hong Kong, Hong Kong, China)</p> <p>APPL2 deletion promotes neurogenesis and functional recovery after ischemic stroke via regulation of mitochondrial dynamics and function.</p>	12:45 – 12:50	<p>FT IV_04/PP I_C01 Kosuke Takano, Takuto Toriumi, Naoki Osada, Kazuki Yoshimura, Shunto Kawamura, Yukiko Misaki, Junko Takeshita, Yoshinobu Kanda, Yukio Nagasaki, and Hideki Nakasone (Division of Emerging Medicine for Integrated Therapeutics, Jichi Medical University, Shimotsuke, Japan)</p> <p>New therapeutic strategies for cytokine storm-associated diseases using redox nanoparticles.</p>
12:50 – 12:55	<p>FT III_05/PP I_D02 Iciar Polo-Fernández, Susana Delgado-Martín, Ana Belén López-Rodríguez, Martín Hugo, Céline Decouty-Pérez, Júlia Baixauli-Martín, Fuertes-Yebra E, Ana María Pacheco, Cristóbal de Los Ríos, Po-Wah So, Javier Egea,</p>		

12:55 – 13:00	<p>Antonio Martínez-Ruiz (<i>Unidad de Investigación, Hospital Santa Cristina, Instituto de Investigación Sanitaria Princesa, IIS-IP, Madrid, Spain</i>)</p> <p>Role of the mitochondrial sodium/calcium exchanger NCLX in ferroptosis, cell viability and brain injury after ischemic stroke.</p>	12:50 – 12:55	<p>FT IV_05/PP I_C03 Chunyu Guo, Yukio Fujiwara, Yoshihiro Komohara, Tianli Zhang, Stephen Lindahl, Ming Xian, and Tomohiro Sawa (<i>Department of Microbiology, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Japan</i>)</p> <p>Hepatic supersulfides attenuate acetaminophen-induced liver injury via enhanced detoxification and anti-inflammatory mechanisms.</p>
13:00 – 14:00	Lunch (<i>Brasserie</i>)		
13:30 – 14:00	<p>Women in Science Round Table Discussion (<i>Brasserie Foyer</i>) <i>Chairs: Lin L. Mantell</i> (<i>Department of Pharmaceutical Sciences, St. John's University, Queens, NY, USA</i>). <i>Maria Monsalve</i> (<i>Instituto de Investigaciones Biomédicas Sols-Morreale, CSIC-UAM, Madrid, Spain</i>), and <i>Kasia Goljanek-Whysall</i> (<i>Discipline of Physiology, University of Galway, Galway, Ireland</i>)</p>	13:20 – 13:40 13:40 – 14:00	<p>Lunchtime Session – Oxygen in Life Science Studies <i>(Goldsaal C-D)</i> <i>Chair: Giovanni Mann</i> (<i>School of Cardiovascular and Metabolic Medicine & Sciences, King's British Heart Foundation Centre of Research Excellence, Faculty of Life Sciences & Medicine, King's College London, London, UK</i>), and <i>Joern Steinert</i> (<i>School of Life Sciences, Queen Medical Centre, University of Nottingham, Nottingham, UK</i>)</p> <hr/> <p>LS_01 Giovanni Mann (<i>School of Cardiovascular and Metabolic Medicine & Sciences, King's British Heart Foundation Centre of Research Excellence, Faculty of Life Sciences & Medicine, King's College London, London, UK</i>) Physiological oxygen levels: critical for high content screening of therapeutics in live cell culture models.</p> <p>LS_02 Kinana Habra, Georgia Wilson, Jade Creighton, Maria Hatzia Apostolou, and Zoi Michailidou (<i>Department of Biosciences,</i></p>

			<p><i>Centre for Systems Health and Integrated Metabolic Research, Nottingham Trent University, Nottingham, UK)</i></p> <p>Adipose tissue oxygen levels matter; are we capturing true metabolic intra-organ cellular responses in standard in vitro models?</p>
	<p>Selected Oral Presentations III - Environmental exposure and lifestyle risk factors (Goldsaal A-B) <i>Chairs: <u>Judy de Haan</u> (Cardiovascular Inflammation and Redox Biology Laboratory, Baker Heart and Diabetes Institute, Melbourne, Australia), and <u>Bato Korac</u> (Department of Physiology, Institute for Biological Research "Sinisa Stankovic"-National Institute of the Republic of Serbia, Belgrade, Serbia)</i></p> <p>-----</p> <p>14:00 – 14:15 OP III_01 Anthony White, Hazel Quek, Patrick Asare, Emily Vivian, Dayeon Kim, Fazeleh Etebar, Carla Cuni-Lopez, and Zoran Ristovski (<i>Department of Brain and Mental Health, QIMR Berghofer Medical Research Institute, Brisbane, Australia</i>) Redox biology of wildfire smoke and impacts on human health.</p> <p>14:15 – 14:30 OP III_02 Jiayin Zheng, Marin Kuntić, Matthias Oelze, Ivana Kuntić, Nora de Camp, Jürgen Bergeler, Arijan Valar, Loreen Jager, Yanislav Hrytseniuk, Dominika Mihaliková, Lea Strohm, Huige Li, Philipp Lurz, Dilja Krueger-Burg, Michael Schmeisser, Thomas Münzel, and Andreas Daiber (<i>Laboratory of Molecular Cardiology, Department of Cardiology 1, University Medical Center of the Johannes Gutenberg-University, Mainz, Germany</i>) Long-term aircraft noise exposure induces neuroelectrophysiological remodeling and brain–heart axis oxidative stress in mice.</p> <p>14:30 – 14:45 OP III_03 Thuy Lai, Alexey Afonin, Laura Mussalo, Paula Korhonen, Mika Ihalainen, Tuukka Kokkola, Ghulam Mustafa,</p>		<p>Selected Oral Presentations IV – Vascular biology and redox biology-associated modifications (Goldsaal C-D) <i>Chairs: <u>Albert van der Vliet</u> (Department of Pathology and Laboratory Medicine, Larner College of Medicine, University of Vermont, Burlington, VT, USA), and <u>Aleksandra Jankovic</u> (Department of Physiology, Institute for Biological Research "Sinisa Stankovic"-National Institute of the Republic of Serbia, Belgrade, Serbia)</i></p> <p>-----</p> <p>14:00 – 14:15 OP IV_01 Sana'a Khraisat, Moritz Brandt, and Philip Wenzel (<i>Center for Thrombosis and Hemostasis, Johannes Gutenberg University Mainz, Mainz, Germany</i>) Telomeric noncoding RNA TERRA and its regulatory network in murine heart failure.</p> <p>14:15 – 14:30 OP IV_02 Helen Hemmling, Nina Dickerhof, Michael Maze, and Clare Hawkins (<i>Department of Biomedical Sciences, University of Copenhagen, Denmark</i>) Hypochlorous acid-mediated modification diminishes the ability of histones to kill bacteria.</p> <p>14:30 – 14:45 OP IV_03 Qi Luo, Melania Aluia, Stefanie Finger, Philipp Lurz, Philip Wenzel, and Michael Molitor (<i>Center for Thrombosis and Hemostasis, Johannes Gutenberg University Mainz, Mainz, Germany</i>) Inhibiting coagulation factor XI improves cardiac dysfunction in ischemia/reperfusion injury in mice with excess neurohormonal activation.</p>

	<p>Veronika Górová, Hennariikka Koivisto, Pasi Miettinen, Riikka Lampinen, Heikki Tanila, Pasi Jalava, Olli Sippula, and Katja Kanninen (<i>A. I Virtanen Institute for Molecular Science University of Eastern Finland, Kuopio, Finland</i>) Synergistic effects of ultrafine particulate matter and noise in Alzheimer’s disease and wild-type mouse models.</p>	14:45 – 15:00	<p>OP IV_04 Lasse Lorentzen, Karin Yeung, Camilo Lopez-Alarcon, Jonas Eiberg, and Michael Davies (<i>Department of Biomedical Sciences, University of Copenhagen, Denmark</i>) Proteomic analysis of oxidative modifications on metabolic proteins in human atherosclerotic plaques and control arteries.</p>
14:45 – 15:00	<p>OP III_04 Lea Strohm, Dominika Mihalikova, Alexander Czarnowski, Omar Hahad, Marin Kuntic, Michael Molitor, Philipp Lurz, Thomas Münzel, Andreas Daiber, and Paul Stamm (<i>Department of Cardiology 1, University Medical Center of the Johannes Gutenberg-University, Mainz, Germany</i>) Cardiovascular and metabolic acute effects of heated tobacco products in healthy smokers.</p>	15:00 – 15:15	<p>OP IV_05 Tamara Zakic, Jelena Jevtic, Maja Vukobratovic, Igor Golic, Biljana Srdic Galic, Aleksandra Korac, Vanja Pekovic-Vaughan, Aleksandra Jankovic, and Bato Korac (<i>Institute for Biological Research "Sinisa Stankovic"-National Institute of the Republic of Serbia, University of Belgrade, Belgrade, Serbia</i>) Mitochondrial remodelling as a pivotal redox-sensitive mediator of breast cancer-adipose tissue crosstalk.</p>
15:00 – 15:15	<p>OP III_05 Siobhan Crosby, Magdalena Minnion, Sascha Freigang, Colleen Deane, Michael Grocott, Andrew Cumpstey, Stephen Wotton, Alan Jackson, and Martin Feelisch (<i>University of Southampton, UK</i>) Redox and allostasis: coping with the challenges of overwintering in Antarctica.</p>	15:15 – 15:30	<p>OP IV_06 Charlie Boutin, Daniel Kierzkowski, Ryan Mailloux, and David Morse (<i>IRBV, Département de Sciences Biologiques, Université de Montréal, Montréal, Canada</i>) One protein, two enzymatic chemistries: cryptic redox catalysis in a plant glycolytic enzyme.</p>
15:15 – 15:30	<p>OP III_06 Eleni Mavrogonatou, Stelios Astaras, Asimina Fotopoulou, Maria T. Angelopoulou, Sevasti-Kiriaki Zervou, Anastasia Hiskia, Harris Pratsinis, and Dimitris Kletsas (<i>Laboratory of Cell Proliferation and Ageing, Institute of Biosciences and Applications, National Centre for Scientific Research “Demokritos”, Athens, Greece</i>) Skin fibroblasts’ response to UVB irradiation: apoptosis, premature senescence or resistance?</p>		
17:30 – 18:30	<p>Meet-the-Professors (<i>Goldsaal A-B</i>)</p>		
18:30 – 19:30	<p>General Assembly SFRR-E (<i>Goldsaal A-B</i>)</p>		
20:00 – 24:00	<p>Conference Dinner (<i>Restaurant Eulchen, Mainz</i>)</p>		

Day 3
Friday, June 5, 2026

07:00 – 07:30	Welcome Coffee (<i>Goldsaal Foyer</i>)
07:30 – 08:30	<p>Sunrise Session III – From Bench to Bedside (<i>Goldsaal A-D</i>) <i>Chairs: <u>Andreas Daiber</u> (Laboratory for Molecular Cardiology, Department of Cardiology 1, University Medical Center Mainz, Mainz, Germany), and <u>Giuseppe Valacchi</u> (Department of Environmental and Prevention Sciences, University of Ferrara, Ferrara, Italy, Animal Science Department, Plants for Human Health Institute, NC State University, Kannapolis, NC, USA, and Department of Food and Nutrition, Kyung Hee University, Seoul, South Korea)</i></p> <hr style="border-top: 1px dashed black;"/> <p>SE III_01 Thomas Thum (<i>University Medical School Hannover, Hannover, Germany</i>) Looking beyond one's own nose: novel therapies based on mRNA and microRNA</p>
08:30 – 08:42	<p>Young Investigator Award Winners – SFRR Biennial Conference, Galway, June 2025 (<i>Goldsaal A-D</i>) <i>Chairs: <u>Clare L. Hawkins</u> (Department of Biomedical Science, University of Copenhagen, Copenhagen, Denmark), and <u>Ann Cuypers</u> (Hasselt University, Diepenbeek, Belgium)</i></p> <hr style="border-top: 1px dashed black;"/> <p>YIA I_01 Aseel Saadi and Tawfeeq Shekh-Ahmad (<i>The Institute for Drug Research, The School of Pharmacy, Faculty of Medicine, The Hebrew University of Jerusalem, Jerusalem, Israel</i>) Redox-targeted gene therapy for pharmaco-resistant epilepsy</p>
08:42 – 08:54	<p>YIA I_02 Ana Mata and Susana Cadenas (<i>Centro de Biología Molecular Severo Ochoa, CSIC/UAM, Madrid, Spain</i>) Proteomic analysis of mouse cardiomyocytes after hypoxia and hypoxia/reoxygenation.</p>
08:54 – 09:06	<p>YIA I_03 Justine A. Williams, Sara Abad Herrera, Sascha Heinrich, Frank M.L. Peeters, Natalie Lupilov, Julia E. Bandow, Thomas Günther Pomorski, and Lisa R. Knoke (<i>Microbial Biochemistry, Institute of Biochemistry and Pathobiochemistry, Medical Faculty, Ruhr University, Bochum, Germany</i>) Modifications of the bacterial cell envelope by neutrophil-derived oxidants.</p>
09:06 – 09:18	<p>YIA I_04 Radosveta Gencheva, Giovanni Chiappett, Zhiyu Haoc, Qing Cheng, Joelle Vinh, Arne Lindqvist, and Elias Arnér (<i>Division of Biochemistry, Department of Medical Biochemistry and Biophysics, Karolinska Institutet, Stockholm, Sweden</i>) Kinetics of thioredoxin reductase 1 derivatization and associated cancer cell death by the small molecule inhibitor TRI-1.</p>
09:18 – 09:30	<p>YIA I_05 Shani Doron and Shilo Rosenwasser (<i>The Robert H. Smith Institute of Plant Sciences and Genetics in Agriculture, The Hebrew University of Jerusalem, Rehovot, Israel</i>) In-vivo quantification of the Arabidopsis redox proteome under dynamic light conditions and its effect on the photosynthetic efficiency.</p>

	<p>Young Investigator Award Winners – SFRR Biennial Conference, Galway, June 2025, and 3rd Virtual SFRR-E ECR PhD Symposium, November 2025 (Goldsaal A-D) <i>Chairs: <u>Nesrin Kartal Özer</u> (Üsküdar University, Istanbul, Türkiye), and <u>Mascia Benedusi</u> (Department of Environmental and Prevention Sciences, University of Ferrara, Ferrara, Italy)</i></p> <hr/>
09:30 – 09:42	<p>YIA II_01 Anna Migni, Desirée Bartolini, Roberta Russo, and Francesco Galli (Department of Pharmaceutical Sciences, University of Perugia, Perugia, Italy) – YIA winner, SFRR Biennial Conference, Galway, June 2025 Melatonin counteracts Cd-and FFA-induced lipotoxicity in human hepatocytes: molecular insights from lipidomics.</p>
09:42 – 09:54	<p>YIA II_02 Marie Jakešová, Markéta Nečasová, Karolína Halbrštátová, Jiří Ehlich, and Eric D. Glowacki (Central European Institute of Technology, Brno University of Technology, Brno, Czech Republic) YIA winner, SFRR Biennial Conference, Galway, June 2025 Electrochemical on-demand generation of oxidant species on carbon electrodes in multiwell cell culture platforms.</p>
09:54 – 10:06	<p>YIA II_03 Lucas Carvalho, Iordan Miranda, Marcelo Neves, Caio Lima, Gabriel Jesus, Julianna Zeidler, Andrea Ferreira, Aina Domingos, Fernando Seara, Rodrigo Fortunato (Carlos Chagas Filho Institute of Biophysics, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil) – YIA winner, Virtual ECR PhD Symposium, November 2025 Sex-dependent effects of aging on NAD⁺ metabolism and redox homeostasis in visceral adipose tissue.</p>
10:06 – 10:18	<p>YIA II_04 Valentin J. Kapferer, Andriy Mokhir (Department of Chemistry and Pharmacy, Friedrich-Alexander University, Erlangen-Nuremberg, Germany) – YIA winner, Virtual ECR PhD Symposium, November 2025 Stabilizing aminoferrocene-based reactive oxygen species catalysts through dialkylation to improve anticancer efficacy.</p>
10:18 – 10:30	<p>YIA I_05 Lara Rodríguez Outeiriño, Raúl Gonzalez-Ojeda, Anthony J. Sannicandro, María Borja-Gonzalez, and Katarzyna Goljanek-Whysall (Physiology Department, School of Medicine, College of Medicine, Nursing and Health Sciences, University of Galway, Galway, Ireland) – YIA award winner, Virtual ECR PhD Symposium, November 2025 MiR-199a Regulates Muscle Homeostasis in SOD1 Mouse Model of Amyotrophic Lateral Sclerosis.</p>
10:30 – 11:00	<p>Coffee / Posters / Exhibition (Brasserie Foyer / Goldsaal Foyer) / Poster removal (before 11:00)</p>
	<p>SFRR-E Leopold Flohe Award Lecture (Goldsaal A-D) <i>Chairs: <u>Aphrodite Vasilaki</u> (Department of Musculoskeletal & Ageing Science, Institute of Life Course & Medical Sciences, Faculty of Health & Life Sciences, University of Liverpool, Liverpool, U.K.), and <u>Tilman Grune</u> (German Institute of Human Nutrition Potsdam-Rehbruecke, Nuthetal, Germany)</i></p> <hr/>
11:00 – 11:30	<p>AL_04 José Pedro Friedmann Angeli (Rudolf Virchow Center for Integrative and Translational Bioimaging, Julius-Maximilians University of Würzburg, Würzburg, Germany) Identification and targeting of mechanisms regulating membrane redox homeostasis.</p>
	<p>SFRR-E Catherine Pasquier Award Lecture - (Goldsaal A-D)</p>

	<p><i>Chairs: <u>Irundika H. K. Dias</u> (College of Life and Health Sciences, Aston University, Birmingham, U.K.), and <u>João Laranjinha</u> (Faculty of Pharmacy, University of Coimbra, Coimbra, Portugal)</i></p> <hr/>
11:30 – 12:00	<p>AL_05 Pablo Hernansanz-Agustín (Cajal Neuroscience Centre, Spanish National Center for Cardiovascular Research, Autonomous University of Madrid, Madrid, Spain) The unexpected role of sodium in mitochondrial redox biology.</p>
	<p>Lunchtime Session II – (Goldsaal A-D) <i>Chairs: <u>Cristina Mas Barques</u> (Department of Physiology, Faculty of Medicine, University of Valencia, Valencia, Spain), and <u>Rakesh Patel</u> (Center for Free Radical Biology, Department of Pathology, Hersink School of Medicine, University of Alabama at Birmingham, Birmingham, AL, USA)</i></p> <hr/>
12:00 – 12:30	<p>LS_02 Anne McArdle (Institute of Life Course & Medical Sciences, Faculty of Health and Life Sciences, University of Liverpool, Liverpool, U.K.) Reactive oxygen species in space: challenges for exploration and lessons for earth.</p>
	<p>COST Actions and Redox Biology Research (Goldsaal A-D) <i>Chairs: <u>Florian Gruber</u> (Department of Dermatology, Medical University of Vienna, and CDL SKINMAGINE, Vienna, Austria), and <u>Antonio Cuadrado</u> (Department of Biochemistry, Medical School, Autonomous University of Madrid, Madrid, Spain)</i></p> <hr/>
12:30 – 12:45	<p>LS_03 Antonio Cuadrado (Department of Biochemistry, Medical School, Autonomous University of Madrid, Madrid, Spain) Impact of COST Action CA20121 (BenBedPhar) on strengthening the SFRR community and advancing translational redox research.</p>
12:45 – 13:00	<p>LS_04 Florian Gruber (Department of Dermatology, Medical University of Vienna, and CDL SKINMAGINE, Vienna, Austria) How the cost actions EpilipidNET (CA19105) and COMULIS (CA17121) facilitated our skin biology research.</p>
	<p>Take-home messages (Goldsaal A-D) <i>Chairs: <u>Anna-Liisa Levenon</u> (A.I. Virtanen Institute for Molecular Sciences, University of Eastern Finland, Kuopio, Finland), and <u>Joris Messens</u> (VIB-VUB Center for Structural Biology, Vrije Universiteit Brussel, Brussels, Belgium)</i></p> <hr/>
13:00 – 13:15	<p>LS_05 Michael J. Davies (Department of Biomedical Science, University of Copenhagen, Copenhagen, Denmark) How to propose a competitive SFRR-E Symposium.</p>
13:15 – 13:30	<p>Closing (Goldsaal A-D)</p>
13:30 – 14:30	<p>Lunch (Brasserie Foyer)</p>