

NOVEMBER 15-18

SFRR INTERNATIONAL 21ST BIENNIAL MEETING

Date / Time / Poster No.	Abstract Title	Author / Affiliation
Thurs, Nov 16 4:00 pm - 4:06 pm 041 Redox / Cell Signaling	N-glycans as a tool to monitor subcellular Protein Disulfide Isomerase traffic	Percillia Oliveira <i>University of Sao Paulo School of Brazil</i>
Thurs, Nov 16 4:06 pm - 4:12 pm 070 Redox / Cell Signaling	Interaction between Protein Disulfide Isomerase-A1 and Enolase-1 contributes to plasmin activation in vascular smooth muscle cells	Sara Ventura <i>The Heart Institute - FMUSP Brazil</i>
Thurs, Nov 16 4:12 pm - 4:18 pm 025 Redox / Cell Signaling	Potassium bixinate as a novel Nrf2/ARE activator drug candidate: ROS scavenger and anti-inflammatory proprieties	Alexsandro Tavares Figueiredo-Jun <i>Federal University of Rio de Janeiro Brazil</i>
Thurs, Nov 16 4:18 pm - 4:24 pm 023 Redox / Cell Signaling	Effects of Redox Modification on Protein Kinase A (PKA) Substrate Interactions	Ese Ekhtor <i>North Carolina A&T State University United States</i>
Thurs, Nov 16 4:24 pm - 4:30 pm 046 Redox / Cell Signaling	Cytochrome c and hydrogen sulfide: study of the reaction mechanism and potential implications in redox signaling	Manuela Pose <i>Universidad de la Republica, Uruguay Uruguay</i>
Thurs, Nov 16 4:30 pm - 4:36 pm 083 Inflammation and Immunity	Mitochondrial O ₂ ^{•-} -induced phosphatidylserine externalization in T. cruzi modulates the immune response in the acute phase of Chagas disease.	Damián Estrada <i>Universidad de la República Uruguay</i>
Thurs, Nov 16 4:36 pm - 4:42 pm 097 Inflammation and Immunity	Uric Acid Oxidation Products Correlate with Sepsis and Promote Modification on Serum Albumin in Intensive Care Unit Patients	Railmara Silva <i>Universidade de São Paulo Brazil</i>
Thurs, Nov 16 4:42 pm - 4:48 pm 101 Inflammation and Immunity	Inhibition of the glycolytic regulator 6-phosphofructokinase/fructose-2,6-bisphosphatase 3 (PFKFB3) in macrophages attenuates heme-induced NF-κB-dependent inflammation in Sickle Cell Disease.	Scott Yeudall <i>University of Virginia United States</i>
Fri, Nov 17 4:00 pm - 4:06 pm 131 Metabolism/Bioenergetics	ROS induced mitochondrial hormesis partially protects from SGAs mitochondrial toxicity and cardiovascular disease	Laura Doblado Bueno <i>Instituto de Investigaciones Biomédica Spain</i>

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Fri, Nov 17 4:06 pm - 4:12 pm 134 Metabolism/Bioenergetics	UK-5099 does not inhibit the mitochondrial pyruvate carrier through irreversible adduction to cysteine 54 in MPC2	Mariana Fernandez Caggiano <i>Queen Mary University of London United Kingdom</i>
Fri, Nov 17 4:12 pm - 4:18 pm 147 Metabolism/Bioenergetics	P53 regulates mitochondrial function and biogenesis in therapy induced senescence: a role for 4-aminobutyrate aminotransferase (ABAT)	Jennyfer Martínez <i>Universidad de la República Uruguay</i>
Fri, Nov 17 4:18 pm - 4:24 pm 173 Cardiovascular and Pulmonary	Identification of brominated extracellular matrix proteins in idiopathic pulmonary fibrosis tissues	Litiele Cruz <i>University of São Paulo Brazil</i>
Fri, Nov 17 4:24 pm - 4:30 pm 212 Cancer	Chemoproteomics reveals RECQL4 inhibition as a mediator of nitroalkene-dependent DNA double strand break repair inhibition in cancer.	Dennis Braden <i>University of Pittsburgh United States</i>
Fri, Nov 17 4:30 pm - 4:36 pm 218 Cancer	The anticancer compounds auranofin, TRi-1 and TRi-2 have distinct cytotoxicity profiles with regards to thioredoxin reductase inhibition	Radosveta Gencheva <i>Karolinska Institutet Sweden</i>
Fri, Nov 17 4:36 pm - 4:42 pm 220 Cancer	Utilizing Nitrated Fatty Acids to Overcome PARPi resistance in TNBC	Lisa Hong <i>University of Pittsburgh United States</i>
Fri, Nov 17 4:42 pm - 4:48 pm 222 Cancer	tRNA thio-Uridine Modifications in Stress Resistance and Metastasis	Riley Hughes <i>Weill Cornell Medicine United States</i>
Fri, Nov 17 4:48 pm - 4:54 pm 225 Cancer	Redox imaging of tumors with a novel compact and portable EPRI device and its potential for multimodal imaging	Kazuhiro Kato <i>Hokkaido University Japan</i>
Sat, Nov 18 4:00 pm - 4:06 pm 274 Chemical Biology	Kinetic and thermodynamic characterization of the roGFP2-Grx redox sensor at molecular level	Lukas Lang <i>RPTU Kaiserslautern-Landau Germany</i>

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Sat, Nov 18 4:06 pm - 4:12 pm 304 Chemical Biology	Transforming H ₂ S to H ₂ S ₂ by a Redox Reversible Booster System	Meg Shieh <i>Brown University</i> <i>United States</i>
Sat, Nov 18 4:12 pm - 4:18 pm 297 Chemical Biology	In vitro and in cellula tyrosine nitration by 5-methyl-1,4-dinitro-1H-imidazole (DNI), a photochemical nitrating agent: synthesis and biochemical characterization	Natalia Rios <i>Universidad de la República</i> <i>Uruguay</i>
Sat, Nov 18 4:18 pm - 4:24 pm 287 Chemical Biology	Evaluation of NO Release Capability from Dinitrosyl Iron Complexes (DNIC) Containing Biomolecules as Ligands in Aqueous Media	Nathalia Medeiros <i>Universidade de São Paulo</i> <i>Brazil</i>
Sat, Nov 18 4:24 pm - 4:30 pm 269 Chemical Biology	A Non-canonical Activity of Peroxiredoxin 6 Protects Cells from Lipid Peroxidation and Ferroptosis	Alex Inague <i>University of Sao Paulo</i> <i>Brazil</i>
Sat, Nov 18 4:30 pm - 4:36 pm 259 Chemical Biology	Galectin-8-Mediated Mitochondrial Dynamics: Implications for Cellular Homeostasis	Adely De la Pena <i>Universidad San Sebastián</i> <i>Chile</i>
Sat, Nov 18 4:36 pm - 4:42 pm 264 Chemical Biology	Mitochondrial Localization of AQP9 in Preeclamptic Placentas	Nazarena Fernandez <i>Universidad de Buenos Aires</i> <i>Argentina</i>
Sat, Nov 18 4:42 pm - 4:48 pm 335 Environmental Toxicology/Pharmac	Investigating the role of the glyoxylate shunt in protection from Complex I inhibitor induced dopaminergic neurodegeneration in <i>C. elegans</i>	Katherine Morton <i>Duke University</i> <i>United States</i>
Sat, Nov 18 4:48 pm - 4:54 pm 336 Environmental Toxicology/Pharmac	Urban air inhalation exacerbates the oxinflammatory response after an acute lung injury, hindering alveolar epithelium repair	Sofia Reynoso <i>Universidad de Buenos Aires</i> <i>Argentina</i>
Sat, Nov 18 4:54 pm - 5:00 pm 348 Neurodegenerative Disease	Nerve growth factor (NGF) nitration and changes in receptors expression following β -amyloid administration as a murine model of Alzheimer's Disease	Santiago Garcimartín <i>Universidad de la Republica - Uruguay</i> <i>Uruguay</i>