Targeting Mitochondria 2014

Ritz- Carlton Hotel, Berlin, Germany

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List of Posters Accepted by the Scientific Committee

N°	Title of Posters Accepted by the Scientific Committee
1	NICOTINAMIDE PHOSPHORIBOSYLTRANSFERASE KNOCKDOWN IMPAIRS MITOCHONDRIAL FUNCTION IN MOUSE MYOBLASTS
2	The Impact of L-arginine administration in patients with mitochondrial cardiomyopathy evaluated by 11C-acetate-PET
3	INFLUENCE OF RESVERATROL ON TNF-α/CHX-INDUCED OXIDATIVE STRESS IN MURINE INTESTINAL EPITHELIAL MODE-K CELLS
4	Mitochondrial regulatory role of poly(ADP-ribose) polymerases

5	Putative RNA interference by early miRNA expression in mouse eggs activated in two standard culture media
6	Kinetic properties of Supercomplex I1III2 reconstituted in vitro
7	Managing NSAID drug-induced liver injury at the preclinical stage using the Cellesis toxicity profiler
8	Changes in myoglobin structure in the presence of membranes: causes and effects on myoglobin deoxygenation
9	Oral CoQ10 plus NADH cosupplementation in Chronic Fatigue Syndrome/Myalgic Encephalomyelitis: A pilot study
10	Mitochondrial LACE1 ATPase
11	Mitochondria, The Prokaryotic Cells Living Inside of Us, and Microbiota in Health and Disease
12	A novel m.12908T>a mutation in the mitochondrial ND5 gene in patient with infantile-onset Pompe disease
13	Simultaneous characterization of mitochondria and lipid droplets using confocal microscopy
14	FLVCR1b is a heme exporter essential for mitochondrial homeostasis

15	Oligomeric alpha-synuclein induces mitochondrial dysfunction leading to a increased susceptibility of PTP opening.
16	Assessment of Betulinic Acid Effects on Liver Mitochondrial Respiratory Function in a Mouse Model of Human Melanoma
17	Involvement of Cathepsin B and Mitochondrial Apoptosis-Inducing Factor on Doxorubicin Cardiotoxicity
18	Nicotinamide phosphoribosyltransferase is not essential to maintain mitochondrial function in Hepa1c1c7 cells
19	Short- and Long -Term Tocotrienol Rich Fraction Supplementation Modulates Gene Expression during Ageing in Mice
20	ASSESSMENT OF MONOAMINE OXIDASES CONTRIBUTION TO THE MITOCHONDRIAL DYSFUNCTION IN HUMAN DIABETIC HEARTS
21	Formation of carnitine by isolated rat liver mitochondria
22	THYROTOXIC ESOPHAGOPATHY
23	Remote ischemic preconditioning and acute diabetes mellitus in processes of myocardial protection: Functional remodeling of mitochondrial membrane
24	GLP-1 Analogue exenatide modifies parameters of mitochondrial respiration in rat hepatocytes

25	A comparative study on strawberry protection in a mitochondrial oxidative stress model
26	Targeting cancer cell mitochondria with a kiteplatin Pt(IV) derivative bearing dichloroacetate ligands
27	Influence of mitochondrial respiration inhibition on nucleotide excision repair
28	Mechanism of activation-induced downregulation of Mitofusin 2 (Mfn2) in human peripheral blood T cells
29	Mitochondrial inhibition by succinate-derivatives of tocopherol and tocopheramine
30	Cigarette smoking sharpens mitochondrial dysfunction in LHON fibroblasts promoting penetrance disease
31	Mitochondrial catastrophe during doxorubicin-induced cardiotoxicity: The protective role of melatonin
32	Hepatotoxicity of Imidazoles and Triazoles
33	A Novel Inhibitor of the Mitochondrial Permeability Transition Pore is Beneficial in an Experimental Model of Multiple Sclerosis
34	DEVELOPMENT OF NIR PROBES FOR MITOCHONDRIA

35	The functional roles of mitochondrial permeability transition pore and apoptosis-induced channel in mediating paraquat-induced cytotoxicity
36	Benefits of remote ischemic preconditioning in diabetic heart: Participation of cardiac mitochondria in protection against ischemia/reperfusion injury
37	Cardioprotective effects of a mitochondria-targeted ROS scavenger against ischemia-reperfusion in aged rats
38	Effects of carbon monoxide released by CORM-401 on oxidative phosphorylation and glycolysis in endothelial cells
39	The utility of HepG2 cells to identify direct mitochondrial dysfunction in the absence of cell death using glucose-deprived media
40	Involvement of mitochondrial respiration to process of myocardial protection: The role of remote ischemic preconditioning
41	Activatable and Targetable Nearinfrared Indocyanine-Antibody Conjugates for the High Contrast Imaging of Breast Cancer in Mice
42	Mitochondrial DNA – a potential marker for monitoring chemotherapeutic treatment efficacy and disease progression?
43	Sponanteous MAVS-oligomerization in Systemic Lupus Erythematosus
44	Impact of ACBD3 protein deficiency on respiratory chain complexes and mitochondrial ultrastructure

45	Mimicking aspects of early neurodegenerative pathology by interference with COX4 expression in vivo
46	Inhibition of Mitochondrial Complex II by Thenoyltrifluoroacetone Potentiates the Efficacy of Anticancer Therapies
47	Suitability of an in vivo sensor of mitochondrial function in C. elegans for toxicity screening and repositioning of drugs
48	Long-living cord blood mesenchymal stem cells: cell growth and stability
49	Functional and morphological analysis of human cybrid cells harboring the MELAS A3243G mutation with peptide-mediated delivery of mitochondrial organelle
50	Identifying Potential Peripherally Accessible Biomarkers in Batten Disease
51	Profiling of microRNAs coded by mitochondrion in different equine tissues
52	TPK1 deficiency is a novel deficiency in thiamine metabolism with neurologic and rarely cardiac manifestation
53	DIGLYCOLIC ACID, THE TOXIC METABOLITE OF DIETHYLENE GLYCOL, IS A NOVEL ANTI-MITOCHONDRIAL COMPOUND
54	A novel MT-COI m.6498C>A variation associated with the m.7444G>A mutation in the mitochondrial COI/tRNASer(UCN) genes in a patient with hearing impairment, diabetes and congenital visual loss

55	A Systematic Approach to the Crosstalk between Calcium Signalling and Mitochondrial Dynamics
56	Age Related Changes of NRF2/ARE Signaling Pathway by Tocotrienol Rich Fraction in C57BL Mice
57	The intake of distinct milks differently affects energy efficiency and inflammatory state by modulating mitochondrial function
58	A metabolic approach to Rett Syndrome: the role of Carnitine's System
59	Specific Prevention of Cardiolipin Peroxidation in Liposomes by Amphiphilic Quinol-Based Antioxidants
60	ABAD Modulators for AD Modifying Treatment – Design, Synthesis and In vitro Screening
61	Mitochondrial up regulation with moderate magnetic fields in "mice and men."
62	Synthesis and evaluation of mitochondrion-tarjeted iron chelators as potential therapeutic agents for Parkinson's disease
63	Possible role of mitochondria in clozapine-mediated cardiotoxicity
64	Metformin attenuates mitochondrial respiration and ATP production

65	Sirtuin 3 is a target for mitochondrial protection in Angiotensin II-induced Insulin Resistance
66	Design, synthesis and properties of cell- and mitochondria-penetrating antioxidative UPF peptides
67	Generation of a Drosophila model for GRACILE syndrome, a mitochondrial complex III disorder, by RNAi and CRISPR/Cas9 strategies
68	Design of a novel mitochondria-targeted fluorescent iron sensor for the monitoring of mitochondrial labile iron pool level
69	Different mechanisms of mitochondrial gas pedal in red and white skeletal muscle
70	Effect of tempol on oxidative stress-induced mitochondrial dysfunction in HT22 cells
71	Melatonin, Nitric Oxide and Mitochondrial Energy Production
72	Correlating NADH FLIM and High-Resolution Respirometry for Detection of cellular Energy Metabolism
73	Respective sensitivity of Glycolytic and OXPHOS melanoma to mitochondrial Complex I inhibition
74	Sirtuin 3 has a role on Doxorubicin-induced Toxicity on H9c2 Cardiomyoblasts

75	MUSCLE MITOCHONDRIAL DYSFUNCTION IN HORSES AFFECTED BY ACUTE LAMINITIS.
76	Protective effect of selected milk thistle polyphenols on respiratory chain function in ischemia reperfusion injury.
77	Effect of long-term impaired carbohydrate metabolism on mitochondrial respiratory parameters and prostaglandin H2 synthase activity in blood platelets
78	Mitochondrial targeted TRAP1 and Hsp90 chaperone inhibitors: preliminary studies
79	Involvement of the mitochondrial biogenesis in the statin-induced myotoxicity
80	Endoplasmic Reticulum Refilling and Mitochondrial calcium extrusion elicited in neurons by NCX1 and NCX3 in ischemic preconditioning promotes neuroprotection
81	Mosaicism of Mitochondrial Heteroplasmic Mutations in Atherosclerotic Lesions of the Human Aorta
82	Inhibitory effect of α-Tocopherol succinate on liver mitochondria
83	Mitochondrial ROS generation in cardiomyocyte reperfusion injury is modulated by succinate accumulation during ischaemia
84	ANTIOXIDANTS ATTENUATE DRUG-INDUCED ATP DEPLETION AND MITOCHONDRIAL DYSFUNCTION

85	Fragmentation of placental mitochondria linked to its functional adaptation in preeclampsia
86	Vdac1-based peptides as pro-apoptotic agents and potential therapeutics for glioblastoma
87	Mitochondrially targeted vitamin E succinate affects mitochondrial function and inhibits cellular proliferation at non-apoptogenic doses
88	EFFECTS OF FREE FATTY ACIDS ON SKELETAL MUSCLE CELLS OXIDATIVE METABOLISM: ROLE OF PPARδ
89	APE1 is essential for the repair of mitochondrial DNA and relies on the interaction with Mia40 for its translocation
90	CYCLOPHILIN D-DEPENDENT mPT AMPLIFIES INFLAMMATORY RESPONS IN SEPTIC SHOCK
91	Placental expression of hypoxia-regulator miR-210 is associated with air pollution exposure during in utero life.
92	Analysis of mitochondrial features in Parkinson's disease specific neural stem cells
93	Vitamin E gamma-tocotrienol induced mitochondria-dependent apoptosis by binding to Bcl-2 protein.
94	Inadequately low corticosterone secretion during arthritis is associated with increased IL-1β levels, adrenal dendritic cell accumulation and adrenocortical mitochondria damage

95	β-sitosterol, an active component of Cistanches Herba, elicits a mitohormetic response via the perturbation of inner mitochondrial membrane
96	Experimental evidence for mitochondrial dysfunction in schizophrenia
97	PET imaging of cerebral oxidative stress in neurodegenerative disorders
98	The effect of dichloroacetate on mitochondrial metabolism and brain injury after hypoxia ischemia in neonatal mice