

# Targeting Mitochondria World Congress



Hotel Maritim ProArte, Berlin - October 24-26, 2016

## *List of Abstracts accepted for Poster Presentation*

***If you cannot find your abstract in this list, please don't hesitate to contact us.***

*The posters will be fixed from Monday 24 at 8:00 to Wednesday 26 at 17:00.*

*You can fix your poster during the three days if you registered for 3 days.*

*If you registered only for two days, you can fix your poster from your registration to the moment you leave the conference.*

*The number of each poster will be communicated soon.*

*The posters are presented during the breaks and lunch breaks.*

NAME OF PRESENTER	TITLE
AL-MENHALI, Saleh Afnan	4-Hydroxynonenal alters myotube cellular redox homeostasis and affects mitochondrial metabolism
AMORIM, ML Nadia	Radiation-induced metabolic disorders: potential role for the mitochondria in skeletal muscle
ARMITAGE, Jim	Identifying Transformational in vivo Markers of Subclinical Mitochondrial Dysfunction
BABURINA, Yulia	The effect of VDAC inhibitor G3139 on the mPTP opening at chronic ethanol treatment

NAME OF PRESENTER	TITLE
BALBOA, Elisa	GLUCOCORTICOID LONG-TERM TREATMENT INDUCES OXIDATIVE STRESS, MITOCHONDRIAL DYSFUNCTION AND ATROPHY OF SKELETAL MUSCLES
BARREY, Eric	Does polyribonucleotide nucleotidyltransferase (PNPase) mutation affect the energetic metabolism and the microRNA profile in cell and mitochondria?
BARROS, Dantas dos Santos Camila	Analysis of L-Arginine supplementation effects on mitochondrial content and function in cultured cells with mitochondrial deficiency
BARTOLOME, Fernando	p62/SQSTM1 mutations causing ALS/FTD impair energy metabolism through limitation of mitochondrial substrates
BAXTER, Matthew	Merm1: a novel regulator of mitochondrial transcription and function
BLECHA, Jan	Distinct mechanisms of cell death induction upon electron transport chain inhibition in proliferating and quiescent cells.
BORGNE SANCHEZ, Annie	Modulation of the oxidative stress associated with respiratory chain dysfunction and mPTP opening
BUSCH, Karin B.	The Parkinson's disease related PINK1 Kinase shuttles through mitochondria during processing as revealed by superresolution microscopy
BUSO, Alessia	ATPase-INHIBITORY FACTOR 1 IS A PROGNOSTIC FACTOR IN LOW GRADE ASTROCYTOMAS
CAO, Ting	Over-expression of mitochondria-targeted calpain-1 induces dilated heart failure in transgenic mice: an important role of mitochondrial reactive oxygen species
CASSIM, Shamir	Mitochondrial metabolism is combined with the Warburg effect for energy production in HCC cells.
ČUNÁTOVÁ, Kristýna	Cox4-1/Cox4-2 cell knockout models for study of cytochrome c oxidase regulation
DANHELOVSKA, Tereza	DNM1L-related mitochondrial fission defect presenting as spastic paraparesis and optic atrophy
DERBIKOVA, Ksenia	Role of N- and C-terminal extensions of yeast mtIF3 on its activity in vivo

NAME OF PRESENTER	TITLE
DILDA, Francesca	Mitochondrial genome copy number increases in the hearth of aged mice
DOMBI, Eszter	Increased mitophagy in mitochondrial disease is a potential therapeutic target
DÖRNER, Andrea	Adenine nucleotide translocase 1 (ANT1) overexpression intensifies Hsp27 signaling in cardiomyocytes
DRORI, Adi	Stimulation of CB1 Receptor Induces Mitochondrial Fragmentation in Renal Proximal Tubular Cells
FERNANDEZ-MORENO, Mercedes	Generating Rho-0 Cells using Human Mesenchymal Stem Cell Lines
FU, Chiyu	Integrated intra-mitochondria architecture of high-energy demand Drosophila IFM and its impact by mtDNA replication defect during aging
GISPERT, Suzana	Loss of mitochondrial peptidase ClpP leads to upregulation of inflammatory factors in brain and embryonal fibroblasts of mice
HECKEL, Anne-Marie	Application of the anti-replicative RNA strategy to mouse models containing mtDNA haplotype pairs.
HERMINGHAUS, Anna	Sterile laparotomy time-dependently modulates hepatic but not colonic mitochondrial function similar to moderate abdominal sepsis.
HEURTEAU, Alexandre	Mitochondrial genome variability of 205 Arabian endurance horses
IBAYASHI, Yuta	Mitochondrial fission role in brown adipose tissue
JEDRAK, Paulina	Practical notes on the measurement of mtDNA levels in blood and fibroblasts
JIN, Chunli	Roles of eNOS and nNOS in fatty acid-dependent Cardiac Inotropy and Calcium Handling in Healthy and Hypertensive Rats
KHORSANDI, Shirin Elizabeth	The changing mitochondrial microRNA profile in a human clinical model of cancer metastasis

NAME OF PRESENTER	TITLE
<b>KHUNDERYAKOVA, Vasilevna Nataliya</b>	Cytobiochemical biomarkers of the state of mitochondria in humans. I. Great differences in children suffering from leukemia or myopathy as compared with healthy children of similar age.
<b>KOVALČÍKOVÁ, Jana</b>	Mitochondrial protein TMEM70: key role in the biogenesis of ATP synthase verified in a mouse knockout model
<b>KRESTININA, Olga</b>	The effect of TSPO ligand, PK11195, on the functional state of rat brain mitochondria and CNPase content at chronic melatonin treatment in aging.
<b>KUNG, Hsing-Jien</b>	Novel Functions of Lysine Demethylases as Mitochondrial Gatekeepers
<b>KUROKAWA, Hiromi</b>	Indomethacin-Derived Mitochondrial Reactive Oxygen Species Accelerated Cancer Specific Porphyrin Accumulation to Enhance Photodynamic Therapeutic Effect in Gastric Epithelial Cells
<b>KWON, Hyek Jin</b>	Mitochondrial-Targeting Ceria Nanoparticles as a Potential Antioxidant drug for Therapy of Alzheimer's Disease.
<b>LABUDINA, Andreevna Anastasia</b>	Polycistronic expression of mitochondrial steroidogenic P450scc system in the nonsteroidogenic HEK293T cell line
<b>LEDUC-GAUDET, Jean-Philippe</b>	ADENO-ASSOCIATED VIRUS TRANSDUCTION OF PARKIN RESULTS IN SKELETAL MUSCLE HYPERTROPHY IN YOUNG AND OLD MICE
<b>LI, Huaping</b>	Mitochondrial miRNA profiling in db/db mice heart
<b>LI, Jin</b>	Scavenging of mitochondrial superoxide prevents PGC-1 $\alpha$ -mediated transcriptional induction and alleviates cytotoxicity induced by doxorubicin in cardiomyocytes
<b>LIOU, Chia-Wei</b>	Mitochondria as Potential Therapeutic Targets for Hypoxic Brain Injury
<b>LIVRAMENTO, de Bortoli Jomênica</b>	Evaluation of protein nitration in mitochondrial deficiency
<b>LÓPEZ-LLUCH, Guillermo</b>	THE EXPRESSION OF COENZYME Q-SYNTHESIS GENES CHANGES DURING AGING
<b>MAITI, Arpan</b>	Vasoactive Intestinal Peptide protects mitochondria against the detrimental effects of TNF $\alpha$ and IFN $\gamma$ induced during Citrobacter rodentium infection with partial alleviation of colitis

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<b>MATSUI, Hirofumi</b>	NO donor and ONOO- donor regulated expression of porphyrin transporter
<b>MAZURYK, Olga</b>	Ruthenium nitroimidazole conjugate as a theranostic agent for hypoxic tissue
<b>MEMON, Ashfaque</b>	Quantification of mitochondrial DNA copy number by a newly developed ddPCR method and its diagnostic potential for patients with cancer and other chronic diseases
<b>MORKUNIENE, Ramune</b>	Mitochondria-derived superoxide mediates A $\beta$ 1-42 oligomer-induced neurotoxicity in primary brain cell cultures
<b>MÜLLEBNER, Andrea</b>	Crosstalk between nitric oxide synthase, heme oxygenase and NADPH oxidase in macrophages
<b>MURPHY, Alice</b>	Superfood 'Freeze Dried Broccoli Extract' to the rescue of mitochondrial inefficiency in human mature adipocytes.
<b>NAKAMURA, Diane</b>	Regulation of mitochondrial dynamics and cellular respiration in oligodendrocytes
<b>NONNENMACHER, Yannic</b>	Analysis of Mitochondrial Metabolism in situ: Combining Stable Isotope Labeling with Selective Permeabilization
<b>OHLSSON, Lars</b>	Increased plasma levels of circulating cell-free mitochondrial DNA in medication-free suicide attempters – associations with HPA-axis hyperactivity
<b>OSTOJIC, M Sergej</b>	Hydrogen-Generating Minerals Tackle Mitochondrial Function in Obese Women
<b>PALMFELDT, Johan</b>	Deficiency of the mitochondrial persulfide dioxygenase ETHE1 causes proteome-wide alterations in ethylmalonic encephalopathy patient fibroblasts
<b>QUINTANILLA, A RODRIGO</b>	Pathological forms of tau affect mitochondrial function. Implications for the pathogenesis of Alzheimer's disease
<b>RAGHAVAN, Chukkurumbal Sathees</b>	Repair of DNA double-strand breaks in mitochondria: Implications in mitochondrial genome maintenance
<b>REKUVIENE, Evelina</b>	Anesthesia of pentobarbital protects against ischemia induced cell death and rat cortex and cerebellum mitochondrial damage

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<b>RODINOVA, Marie</b>	Decreased cytochrome c oxidase subunits and mitochondrial ultrastructural impairment in Cox17 protein stabile silenced HEK293 lines
<b>ROMERO CANELON, Isolda</b>	Potent organo-osmium complex shifts metabolism in epithelial ovarian cancer cells
<b>SARDÃO, Vilma</b>	Developing a novel generation of catechol O-methyltransferase (COMT) inhibitors without mitochondrial liabilities for the therapy of Parkinson's disease
<b>SAVOIA, Matteo</b>	A mitochondrial isoform of P300/CBP associated factor metabolically controls muscle differentiation
<b>SCHÄRFE, Charlotta</b>	Insights into the structure of the mitochondrial electron transport chain based on a global co-evolution approach
<b>SCHNIERTSHAUER, Daniel</b>	Accelerated Regeneration of ATP Level after Irradiation in Human Skin Fibroblasts by Coenzyme Q10
<b>SCORZIELLO, Antonella</b>	NCX3 and AKAP121 interaction on the outer mitochondria membrane controls hypoxia-induced mitochondrial dynamics in neurons
<b>SERTEYN, Alex Didier</b>	High Resolution Oxygraphy: a new tool for differentiation state of stem cells
<b>STACHOWICZ, Aneta</b>	Proteomic analysis of the liver mitochondria isolated from the double (apolipoprotein E and endothelial nitric oxide synthase) knockout mice reveals decreased expression of major urinary
<b>STEPHENSON, Zoë</b>	Pre-clinical detection of mitochondrial toxicity in drug development
<b>SUMMER, Sabrina</b>	Characterization of p19, a potential new player in human mitochondrial RNA metabolism
<b>TADIC, Vedrana</b>	Investigation of mitochondrial calcium uptake in G93AhSOD1 model of ALS
<b>TAKEYASU, Kunio</b>	AFM Analyses of Mitochondria: Genome Structure and Dynamics in Living Cell
<b>TAUCHMANNOVÁ, Kateřina</b>	MLQ protein regulates association of mitochondrially encoded subunits Fo-a and A6L with ATP synthase complex

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UNGELENK, Luisa	Thiosulfate protects against hepatic ischemia-reperfusion injury via improving the mitochondrial stress response
VARTAK, Supriya	Identification and characterization of a novel BCL2 inhibitor as a potent chemotherapeutic agent
VOLANI, Chiara	Effects of iron imbalances on mitochondrial activity and on the overall metabolism in vivo
WANG, Han-wei	SIRT5 attenuates the propagation of rheumatoid arthritis by reducing p66SHC activities
WANG, Hung-Jung	Epigenetic reprogramming of mitochondrial and metabolic functions plays a key role in arginine-deprivation based cancer therapy
WANG, Lixiang	Impact of mitochondrial dynamics on metabolic disease and inflammation
WETZEL, H Christian	On the role of mitochondrial dysfunction in the molecular pathology of major depressive disorder
WIŚNIEWSKA, Anna	Mitochondrial dysfunction in atherosclerosis and liver steatosis – studies on the role of imidazoline I2 receptors.
WYSS, Kathrin Rahel	Cytochrome c release: A mitochondrial predictor of post-ischemic cardiac graft recovery in donation after circulatory death
ZAKHARCHENKO, Marina	Cytobiochemical biomarkers of the state of mitochondria in humans. II. Small but clear differences between elderly people with bronchial asthma and these with no clinical symptoms or middle-aged
ZEB, Akbar	Mitochondrial biogenesis - a rate limiting factor for axonal growth
ZHANG, Ye	A TRACKABLE DRUG DELIVERY CARRIER MODIFIED WITH MITOCHONDRIAL TARGETING CONJUGATE FOR OVERCOMING DRUG RESISTANCE