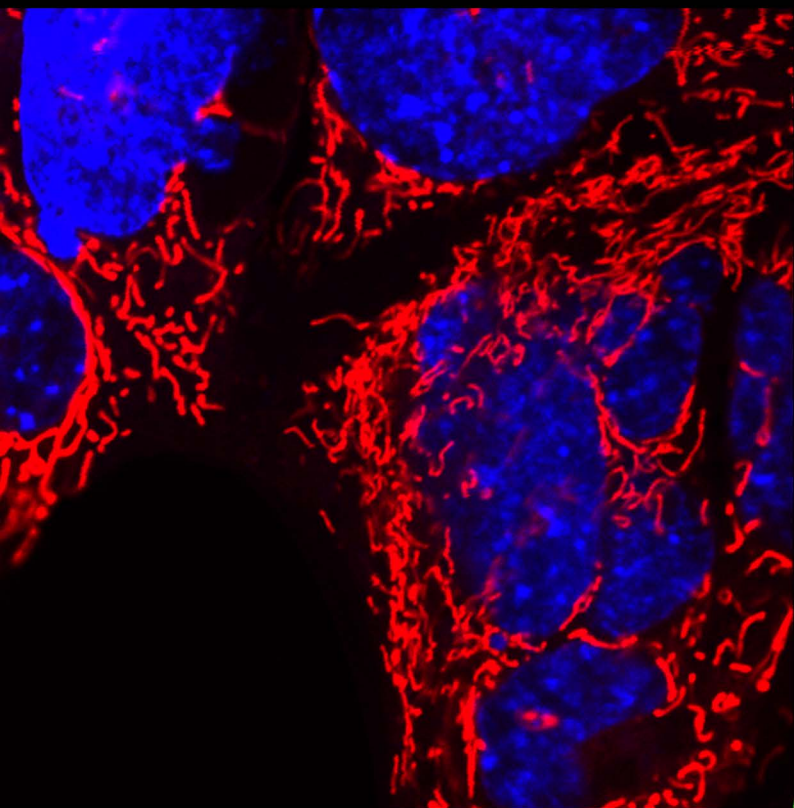
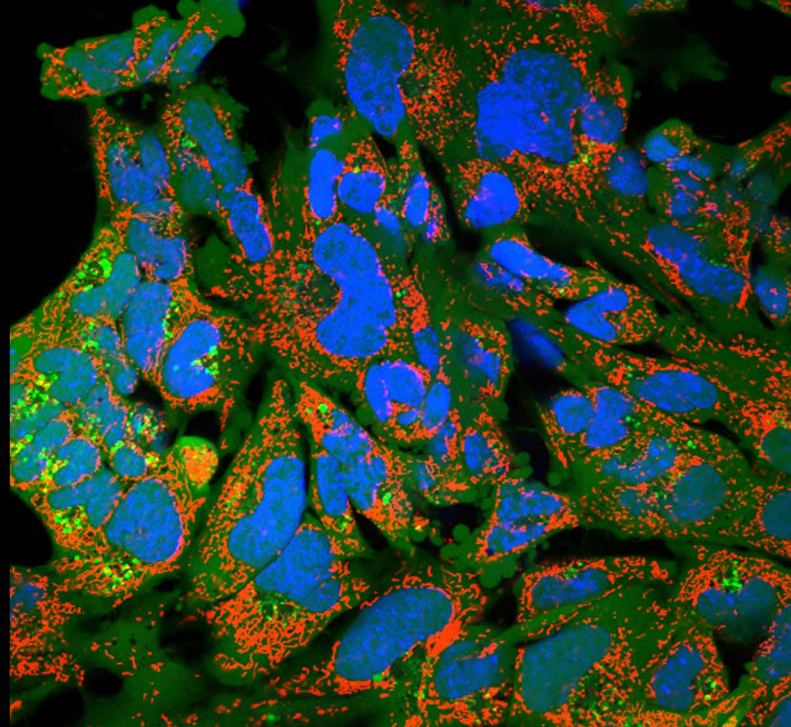


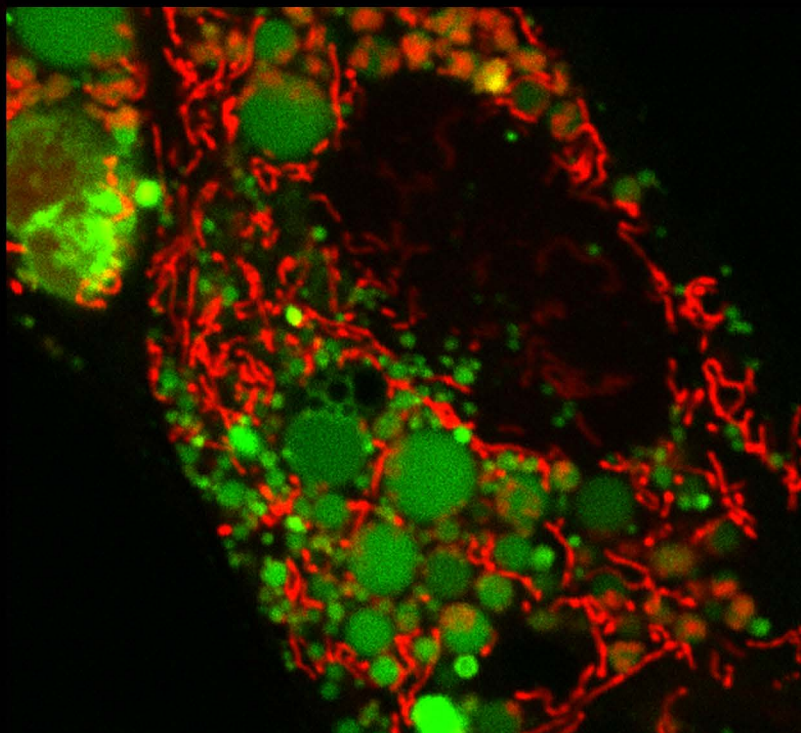
1ST SCIENTIFIC RETREAT

**METABOLISM, AGING
AND DISEASE AREA**



November 18, 2020

ONLINE MEETING



CENTER FOR
NEUROSCIENCE
AND CELL
BIOLOGY



CENTRE FOR INNOVATIVE
BIOMEDICINE
AND BIOTECHNOLOGY

PROGRAMME

November 18, 2020 [9:30-17:00]

Link for the Meeting: <https://global.gotomeeting.com/join/718303013>

9:30: Opening

Paulo Oliveira

9:45 – “**METHYLGLYOXAL AS A MEDIATOR OF INSULIN RESISTANCE: NOVEL MECHANISM AND UNIQUE TARGET**”

Casper G. Schalkwijk, Maastricht University Medical Center+, Maastricht, The Netherlands

10:45 – SHORT SCIENTIFIC PRESENTATIONS OF THE GROUPS

(2x10 min + discussion | Speakers chosen by Group Leaders)

10:45 – 11:15 - **HEALTHY LIVING AND ACTIVE AGEING** (*Monica Zuzarte Moderation*)

“Mercurmemory: research links between mercury neurotoxicity and adult neurogenesis” | João Malva

“Aging and allergic diseases” | Frederico Regateiro

11:15 – 11:45 - **METABOLIC CONTROL** (*Raquel Esteves Moderation*)

“Intra-dimer cooperativity during the oxidation of peroxiredoxin 2” | Armindo Salvador

“miRNAs markers of metabolic dysfunction” | Diana Santos

11:45 – 12:15 - **MICROBIOMES, METABOLISM AND OMICS** (*Manuela Ferreira Moderation*)

“A computational framework towards the study of metabolic interactions of the gut microbiome and the human host in Type 2 Diabetes” | Nadine Castelhana

“Identification of compatible solutes from the metagenome of the microbial communities of two hot springs in Portugal” | Gabriela Simões

12:15 – 12:45 - **INSULIN RESISTANCE AND DIABETIC ANGIOPATHY** (*John Jones Moderation*)

“Peripheral dopaminergic system: a metabolic modulator and therapeutic target” | Gabriela Tavares

“The Janus Face of chronic blueberry supplementation in healthy rats” | Sara Nunes

14:00 – 14:30 - **BIOLOGY OF REPRODUCTION & STEM CELL** (*Mafalda Laranjo Moderation*)

“Searching for novel biomarkers in unknown origin male infertility” | Sandra Amaral

“Exercise as an anti-aging strategy to prevent female reproductive decline” | Maria Soares

14:30 – 15:00 - **CELLULAR AND TRANSLATIONAL CARDIOLOGY** (*Vilma Sardão Moderation*)

“Myocardial infarction affects Cx43 content of extracellular vesicles secreted by cardiomyocytes” | Tania Marques

“USP8 modulates Cx43 homeostasis in endothelial cells” | Teresa Rodrigues

15:00 - 15:30 - **CELL SIGNALING AND METABOLISM IN DISEASE** (*Paulo Matafome Moderation*)

“New BACE1 chimeric peptide inhibitors selectively prevent A β PP- β cleavage decreasing A β production and accumulation in AD models” | Rosa Resende

“Distinct serum-free media impact the phenotype and functional capacity of clinical-grade dendritic cells for antitumor vaccination” | João Calmeiro

15:30 – 16:00 - **HUMAN GENOME VARIATION AND ENVIRONMENT IN HEALTH AND DISEASE** (*Renata Tavares Moderation*)

“Targeted alpha therapy with Radium-223 in metastatic prostate cancer” | Ines Marques

“Sensitivity and resistance in Chronic Myeloid Leukaemia to tyrosine kinase inhibitors: insights into molecular mechanisms” | Raquel Alves

16:00 – 16:30 - **MITOCHONDRIA, METABOLISM, AND DISEASE** (*Eugénia Carvalho Moderation*)

“Role of retinoic acid signalling in innate-like T cells” | Manuela Ferreira

“Western Blot analysis of the mitochondrial transcription factor (TFam) gene in an unusual Lebr's Hereditary Optic Neuropathy (LHON)-plus case” | Célia Gomes

16:30 – 17:00 - **HEALTH, MANAGEMENT AND ECONOMICS** (*Anabela Mota Pinto Moderation*)

“Fertility-related decision aid for young women with breast cancer” | Vânia Gonçalves

“Health economics evaluation: a useful tool in clinical, policy and research decision-making” | Aida Tavares

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