

3rd RESETageing CONFERENCE

Coimbra|December 6-7, 2023

DECEMBER 6th

8:00 - 9:00 - REGISTRATION OPENING

INTRODUCTION

9:00 - 9:15 - OPENING SESSION

Lino Ferreira, Coordinator of RESETageing project

João Ramalho, vice-rector of University of Coimbra
University of Coimbra

1. BIOLOGY OF AGEING

(Chairs: *Manuel Santos*, *Viktor Korolchuk*)

9:15 - 10:00 - **Keynote Lecture:** Strategies to target (and detect) senescence

Jesus Gil, Imperial College of London, UK

10:00 - 10:15 - Neuroendocrinology contribution to healthy longevity

Cláudia Cavadas, University of Coimbra, PT

10:15 - 10:30 - Microbial ageing - a role for metabolite exchange interactions

Clara Correia-Melo, Leibniz Institute on Aging, Fritz Lipmann Institute,

10:30 - 11:00 - Heterogeneity in Cellular senescence: from mechanisms to therapeutic opportunities

Marco Demaria, ERIBA, NL

11:00 - 11:30 - Coffee Break

2. BIOLOGY OF AGEING

(Chairs: *Jesus Gil*, *João Malva*)

11:30 - 12:15 - **Keynote Lecture:** Selective autophagy as an anti-oxidant system

Viktor Korolchuk, University of Newcastle, UK

12:15 - 12:45 - Histone deacetylase inhibitors as modulators of age-related mitochondrial phenotypes in models of Alzheimer's disease

Cristina Rego, University of Coimbra, PT

12:45 - 13:15 - Mitochondria-lysosome crosstalk and mechanisms of cellular aging

Nuno Raimundo, MIA-Portugal, PT

13:15 - 14:30 - LUNCH

3. CARDIOVASCULAR AGEING

(Chairs: *Lino Ferreira*, *Marco Demaria*)

14:30 - 15:15 - **Keynote Lecture:** Unlocking mysteries of brain aging with new cell-specific protein tagging models

Ian Guldner, University of Stanford, USA

15:15 - 15:30 - The transition from a young to aged BBB is mediated by a senescence brain endothelial cell program

Susana Rosa, CNC, University of Coimbra, PT

15:30 - 16:00 - Vitamin-A fasting prevents steatotic liver disease and sarcopenia in aging mice by hepatic PPAR alpha induction

Lenhard Rudolph, Leibniz Institute on Aging, Fritz Lipmann Institute, DE

16:00 - 16:45 - Coffee Break



REGISTRATION FORM

(here)

4. CARDIOVASCULAR AGEING

(Chairs: *Henrique Girão*, *Paula Costa Martins*)

16:45 - 17:30 - **Keynote Lecture:** Cardiovascular disease in Hutchinson-Gilford progeria syndrome: From pathological mechanisms to therapy

Vicente Andrés, CNIC, Spain

17:30 - 17:45 - Cell senescence in HFpEF: can we turn back the clock?

Diana Nascimento, I3S, PT

17:45 - 18:00 - Aging barriers in the transdifferentiation of fibroblasts into induced cardiac-like myocytes

Bruno Jesus, University of Aveiro, PT

18:00 - 18:30 - Senescent cardiomyocytes contribute to cardiac dysfunction following myocardial infarction

Gavin Richardson, University of Newcastle, UK

18:30 - 20:30 - POSTER SESSION,
WINE AND CHEESE

20:30 - GALA DINNER

DECEMBER 7th

5. INTERVENTIONS TO PREVENT OR REVERSE AGEING- PART 1

(Chairs: *Ana O'Loghlen*, *Ramon Martínez-Mañez*)

9:00 - 9:45 - **Keynote Lecture:** Aging and intercellular communication: Targeting youthful signals in circulating extracellular vesicles through engineering and exercise

Fabrisia Ambrosio, Pittsburg University, USA

9:45 - 10:00 - Lifespan extension by an extra copy of the FOXM1 gene

Elsa Logarinho, I3S, University of Porto, PT

10:00 - 10:15 - *Title to be announced*

Alberto Minetti, Leibniz Institute on Aging, Fritz Lipmann Institute, DE

10:15 - 10:45 - Regenerative Medicine in Aging: from stem cells to extracellular vesicles

Consuelo Borrás, University of Valencia, Spain

10:45 - 11:15 - Coffee Break

6. INTERVENTIONS TO PREVENT OR REVERSE AGEING- PART 2

(Chairs: *Fabrisia Ambrosio*, *Consuelo Borrás*)

11:15 - 12:00 - **Keynote Lecture:** Probes, nanoparticles and pro-drugs to detect and eliminate senescent cells

Ramón Martínez-Mañez, University of Valencia, Spain

12:00 - 12:15 - Biodegradable anti-senescence nanoparticles

Vitor Francisco, CNC, University of Coimbra, PT

12:15 - 12:45 - Extracellular vesicles: the elixir of youth

Ana O'Loghlen, CSIC Research Center, Madrid, Spain

12:45 - 13:00 - POSTER AWARDS AND CONFERENCE CLOSING

13:00 - 15:00 - LUNCH

15:00 - 17:00 - VISIT TO THE UNIVERSITY OF COIMBRA



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SPONSORS:

