



CONFERENCE

Ageing: models, mechanisms and therapies

Date:

June 28th and 29th, 2019

Local:

Faculdade de Medicina da Universidade de Coimbra, Unidade Central, anfiteatro 1, Pólo III

FRIDAY

09:00 - 09:30 Opening session

Rector of Coimbra University
Dean of Faculty of Medicine, University of Coimbra

09:30 - 10:30 Ageing and extracellular matrix

(Chairs: Hugo Fernandes and Manuel Veríssimo)

09:30 - 10:00 *An -Omics approach to cardiovascular aging*, Manuel Mayr (King's college, UK)

10:00 - 10:30 *Cardiac aging and injury: alterations in the cellular and extracellular compartments*, Diana Nascimento (I3S, Porto)

10:30 - 11:00 Coffee break

11:00 - 12:00 **Anti-ageing therapies** (Chairs: Flavio Reis and Maria João Vidigal)

11:00 - 11:30 *Circulating factors in cardiac aging*, Francesco Loffredo (ICGEB, Trieste, Italy)

11:30 - 12:00 *Testing geroprotectors in vivo: tools and challenges*, Illaria Bellantuono (University of Sheffield, UK)

12:00 - 13:00 Cell senescence

Senolytics: The Path to Translation, James Kirkland (Mayo Clinic) (Chair: José António Pereira da Silva)

13:00 - 14:30 Lunch

14:30 - 16:30 **Ageing mechanisms** (Chairs: Frederico Pereira and Francisco Ambrósio)

14:30 - 15:00 *Cellular senescence: key driver of brain aging and anxiety*, Diana Jurk (Mayo Clinic and University of Newcastle)

15:00 - 15:30 *Mitochondrial and Ca²⁺ deregulation in neurons in early stages of Alzheimer's disease pathogenesis and brain aging following immediate exposure to amyloid-beta oligomers*, Cristina Rego (FMUC and CIBB, Coimbra)

15:30 - 16:00 *The role of oxidized lipids in ageing of arterial smooth muscle cells*, Otilia Vieira (CEDOC, Lisbon)

16:00 - 16:30 *Influence of aging on brain vascular function and vessel repair*, Anna Rossell (Vall d'Hebron Research Institute; Barcelona)

16:30 - 17:00 Coffee break

17:00 - 19:00 **Cardiovascular ageing** (Chairs: Lino Gonçalves and José Belo)

17:00 - 17:30 *Cardiac ageing: matters of the heart or beyond the heart beat?*, Leon Windt (University of Maastricht, Netherlands)

17:30 - 18:00 *Post-mitotic senescence drives cardiac ageing*, João Passos (Mayo Clinic and University of Newcastle)

17:30 - 18:00 *Aging, diastolic dysfunction and HFpEF*, Adelino Moreira (University of Porto, Portugal)

18:00 - 18:30 *The impact of aging on cardiac intercellular communication*, Henrique Girão (FMUC and CIBB, Coimbra)

18:30 - 19:30 Poster session

20:00 Meeting dinner

SATURDAY

09:00 - 10:00 Vascular ageing

Targeting cellular aging for the treatment of age-associated disease, Tohru Minamino (Niigata University, Japan) (Chair: Lino Ferreira)

10:00 - 10:30 Coffee break

10:30 - 13:00 Accelerated ageing: models, mechanisms and therapies

(Chairs: João Malva and Patricia Pitrez)

10:30 - 11:00 *Role of A-type lamins in cardiovascular disease and aging: new mechanisms and therapies*, Vicente Andres (CNIC, Madrid, Spain)

11:00 - 11:30 *Hutchinson Gilford progeria syndrome and aging: from disease modeling to pharmacological approaches*, Xavier Nissan (I-STEM, France)

11:30 - 12:00 *Physiological and pathological cardiovascular ageing: models and therapies*, Lino Ferreira (FMUC and CIBB, Portugal)

12:00 - 12:30 *Neuroendocrine strategies to delay aging*, Claudia Cavadas (FFUC and CIBB, Portugal)

12:30 - 13:00 Closing session

13:00 - 14:00 Lunch

Organization:

Faculdade de Medicina da Universidade de Coimbra and Centre for Innovative Biomedicine and Biotechnology

Deadline for abstract submission: April 15th

Deadline for registration: May 1st

For more informations: www.uc.pt/fmuc/Conferencia_Envelhecimento (contact email : estronca@uc.pt)



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