

Advanced course

Ageing: from fundamental biology to societal impact

Organizers

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Dates June 27 – July 8, 2022

Online event

Registration link

https://surveys.uc.pt/index.php/222129?lang=en

Registration deadline June 20, 2022

June 27

16:00-16:30 Introduction to the course (I Milosevic, J Malva, N Raimundo, P Oliveira)

16:30-18:00 Keynote Lecture: Expanding mechanisms and therapeutic targets for neurodegenerative disease (A Gitler, Stanford)

June 28

16:00-19:00 Workshop Supporting an ageing population: from politics to technologies

16:00 Regional ecosystems to support healthy living and active ageing; Ageing@Coimbra (J Malva, Coimbra)

16:50 Work and retirement as determinants of healthy ageing (S Stenholm, Turku)

17:40 pHealth and data mining solutions: opportunities in the management of cardiovascular diseases (J Henriques, Coimbra)

18:30 **Debate**

June 29

16:00-19:00 Workshop Biology of Ageing 1 – Basics of ageing and longevity

16:00 **Metabolic choice in an ageing world** (A Krisko, Gottingen)

16:50 Asymmetrical cell division and replicative ageing (J Saarikangas, Helsinki)

17:40 **Transcellular signalling in ageing** (P van Oosten-Hawle, Leeds)

18:30 **Debate**

June 30

16:00-19:00 Workshop Biology of aging 2 - Senescence and cancer

16:00 The chronology of FH loss (C Frezza, Cologne)

16:50 **Mechanisms of senescence** (J Passos, Mayo Clinic, Rochester)

17:40 Understanding the role of oxidative metabolism in cell proliferation (K Birsoy, Rockefeller, New York)

18:30 **Debate**



EIT Health Ageing PhD School

July 1

- 16:00h-19:00 Workshop Biology of aging 3 Cardiovascular ageing
- 16:00 Cardiovascular ageing: modeling and therapies (L Ferreira, Coimbra)
- 16:50 Metabolic and molecular effects of dietary restriction (L Fontana, Sidney)
- 17:40 The effects of ageing on the cardiac microvasculature (Guillermo Luxán, Frankfurt)
- 18:30 Debate

July 4

- 16:00-19:00 Workshop Biology of aging 4 Brain ageing and neurometabolism
- 16:00 Understanding and preventing the deposition of misfolded proteins in ageing brains (A Bertolotti, Cambridge)
- 16:50 Autophagy and presynaptic plasticity in brain ageing (S Sigrist, Berlin)
- 17:40 Selective autophagy of lipid droplets in the brain (J Chung, Harvard)
- 18:30 **Debate**

July 5

- 16:00-19:00 Workshop Health literacy for ageing well
- 16:00 Eat Well to Age Well (E Carvalho, Coimbra)
- 16:50 Education, health literacy and healthy ageing (J-P Michel, Geneva)
- 17:40 Linkages between health literacy and health behavior among older adult immigrants in Wisconsin, the United States (M Hawkins, Milwaukee)
- 18:30 Debate

July 6

- 16:00-19:00 Workshop Inflammation and Ageing
- 16:00 Inflammageing and long COVID (MC Polidori, Cologne)
- 16:50 Mitochondrial control of the immune system (M Tigano, Philadelphia)
- 17:40 Lysosomes, autophagy and inflammation (N Raimundo, Coimbra)
- 18:30 Debate

July 7

- 16:00-19:00 Workshop Centenarians
- 16:00 Transcriptomics of centenarians: identification of longevity associated genes from humans to invertebrates (J Vina, Valencia)
- 16:50 Harnessing the power of big data to address the societal challenge of ageing (R Westendorp, Copenhagen)
- 17:40 **Ageing clocks in centenarians** (C Franceschi, Bologna)
- 18:30 **Debate**

July 8

- 17:30-18:00 Evaluation/student's presentations
- 18:00 Keynote lecture **The new biology of mitochondrial microproteins** (P Cohen, Los Angeles)
- 19:00 Course ends









