



MIA Portugal
Multidisciplinary
Institute of Ageing

Event Report M24

Deliverable 6.6

This project has received funding from the European Union's 2020 research and innovation programme under grant agreement No 857524.



PROJECT ACRONYM	MIA Portugal
CONTRACT NUMBER	857524
DISSEMINATION LEVEL	Public
NATURE OF DOCUMENT	Report

TITLE OF DOCUMENT	Events Report M24
REFERENCE NUMBER	D6.6
WORKPAGE	WP6
VERSION	1
EXPECTED DELIVERY DATE	31 12 2021
DATE	27 12 2021
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Version	Date	Authors
1 Draft	23 12 2021	Ana Vieira, UC MIA-Portugal Com. Manager
2 Review	23 12 2021	Nuno Raimundo Principal Investigator
3 Review	23 12 2021	Ira Milosevic Principal Investigator
4 Review	23 12 2021	Rodrigo Cunha MIA Portugal Coordinator
5 Final to submission	26 12 2021	Ana Vieira

This document describes MIA-Portugal M24 Event.

Filename: MIA_Portugal D6.6 Events Report M24

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1. Event Description



Date: 1st October 2021

Nature: Scientific event | Online - Remote

Speaker: Dr Nuno Raimundo | MIA-Portugal Principal Investigator

Theme: «Cellular geography of mitochondrial signalling in ageing and disease».

Participants: 40 + | Mainly Researchers and post-graduate students.

Communication & Dissemination: MIA-Portugal website, social media and [UC channels](#).

The event, the first one of the series, happened on the 1st October 2021 to celebrate the International Day of Older Persons. Nuno Raimundo, MIA-Portugal Principal Investigator, presented the theme in an online/remote session.

Summary: Cellular organelles are coordinated with each other, signaling and metabolism, albeit the underlying mechanisms remain unclear. The loss of function of mitochondria is a hallmark of ageing and age-related diseases, and we have observed that chronic mitochondrial malfunction also results in an impaired activity of lysosomes as well as in endoplasmic reticulum stress.

Using our multidisciplinary approaches involving transcriptomics, cell biology and signaling, we have unveiled several mechanisms mediating the coordination between these organelles, and how their chronic perturbations underlie ageing-related pathology.

3- Other events:

- European Researchers Night - Coimbra 2021

Date: 24th of September of 2021 | Nature: General public event, science communication event

MIA-Portugal researchers (Dr Nuno Raimundo, Dr Ira Milosevic, Dr Pedro Dionisio, Dr Sara Silva) participated in this event, which took place on the 24th of September in Coimbra, Portugal. Scientists engaged with people of all ages, talking about ageing, healthy ageing and the latest trends in ageing research.

The public was challenged with a quiz on healthy ageing. Three prizes were given: A participant was selected to win a «healthy ageing kit» (picture below).



3.1 Participation in events:

1) AMPK meeting | Evian, France | 26-30 September

Nature: Scientific

Speaker: Dr Nuno Raimundo, MIA-Portugal Principal Investigator

Communication: AMPK regulates interactions between mitochondria, lysosomes and ER

2) MGH Neuroscience Seminar Series, Harvard Medical School,
Department of Neurology

Nature: Scientific

Speaker: Dr Ira Milosevic, MIA-Portugal Principal Investigator

Communication: Improving synaptic transmission in the ageing brain
(invited seminar)

Participants: 70+ participants

[Mass General Brigham CPD | \(partners.org\)](https://partners.org)

3) CellBio 2021 (ASCB/EMBO joint annual meeting) | 1-10 December | online

Nature: Scientific

Participants: 15000+ participants

Nuno Raimundo (MIA-Portugal PI) co-chaired a Mini-symposium, together with seven other specialists. There were four sessions, with a total of 24 talks presented. The total attendance was about 800 people.

4) MITO talks

Nuno Raimundo is a founder and co-organizer of an online seminar series focused on mitochondrial research, aimed at providing a stage to both established researchers as well as up-and-coming scientists in the field. 21 talks occurred during 2021, with an average participation of about 200 attendees, mostly PhD students, postdocs and PIs in the field of mitochondrial biology, metabolism and cell biology. The series will continue in 2022.

5) MITOChat

Nuno Raimundo is also a founder and co-organizer of an online seminar series aimed at providing a stage to PhD students and postdocs in the field of mitochondria and metabolism, called MITOchat. Twelve presentations during 2021, with an average attendance of 170. The series will continue in 2022.

6) INOVAÇÃO@UC | 5 November 2021

Presentation by Professor Rodrigo A. Cunha, MIA-Portugal Coordinator, of the talk ‘Desafios do envelhecimento & MIA-Portugal (Multidisciplinary Institute of Ageing)’

7) 60th Annual Meeting of the American College of Neuropsychopharmacology | December 5-8, 2021
Moderation by RA Cunha of a Topical Discussion on Coffee and stress

8) X Meeting of the Brazilian Purine Club | June 19-22, 2020 (online)
Presentation by RA Cunha of a Plenary talk ‘Coffee, ageing and brain dysfunction - therapeutic targeting of adenosine receptors’

9) Ao Encontro da Sociedade #3 | Os "Novos" Velhos | 22 April 2021 (online)

Speakers: Pedro Pita Barros, Maria João Valente Rosa, Rodrigo A. Cunha

Moderation: Alexandre Quintanilha



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Horizon 2020 research and innovation programme
under Grant Agreement No 857524

MIA-Portugal | 26th December 2021

