



MIA Portugal
Multidisciplinary
Institute of Ageing

MIA-Portugal Events Report M48

Deliverable 6.8

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This document describes MIA-Portugal M48 Events.

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1. Introduction

- This report delineates the Scientific, educational and societal events organized by MIA-Portugal and those in which the Institute actively participated, covering the period between M36 and M48, corresponding to the civil year of 2023. The events, organized by MIA and involving its members, were purposefully designed to achieve the following goals: disseminate the knowledge generated within MIA groups to the scientific community.
- inform the general public about the developments within MIA Portugal and their societal impact, effectively transmitting essential knowledge.
- foster collaborations, create networking opportunities, and continually educate/train MIA members.

Compared to 2022, MIA-Portugal experienced significant growth in Science Communication initiatives throughout 2023. MIA-Portugal organized or co-organized five science communication events tailored for the scientific community, an increase from the three events organized in 2022. Moreover, MIA-Portugal actively engaged in ten public science communication events, compared to two events in the previous year. Additionally, MIA members actively participated in various conferences (poster, oral presentation and attendance) across approximately 26 scientific events, showcasing the outcomes generated within MIA and fostering valuable networking opportunities with key stakeholders.

The significance of these dissemination and communication events cannot be overstated. They serve as crucial platforms to enhance MIA's visibility, comprehend societal needs, ensure accountability for contributors' funds,

maintain transparency in research endeavours, elucidate the research process, and underscore the societal implications of our work.

2. MIA-Portugal Events

During the year of 2023, MIA-Portugal organized or co-organized several scientific meetings targeted at MIA members, UC members and national and international scientists.

2.1. Science Dissemination

2.1.1. Ageing seminars 2023-2024 MIA Portugal

The Institute continued the *MIA-Portugal Ageing Seminar Series*, focused on the biology of ageing, targeted at the Coimbra scientific community. In October 2023 we initiated a new 14 seminar series that extends from 2023 to 2024.. The seminars are presential events, with 2 talks online/remote. In 2023, the seminar series started in April extended until December, as follows:

12th April 2023

Probing the intracellular dynamics of ageing neurons: spotlight on the mitochondria

Dr. Alessio Vagnoni

12th Oct 2023

Aging of Hematopoietic Stem Cells: Epigenetic drift and the Remodelling of the niche

Dr. Maria Carolina Florian, IBIDELL, Spain

3rd Nov 2023 | VIRTUAL

Tackling the complexity of ageing with systems approaches

Dr. João Pedro Magalhães, University of Birmingham, UK

15th Dec 2023

Gla proteins: Role in aging and disease related ectopic mineralizations

Dr. Leonor Cancela, Algarve University, Portugal

On average the seminars had an audience of 30 participants, mainly post-graduate researchers and PhD students. These participants were mainly MIA members, but researchers from the Center for Neurosciences and Cell Biology and other Research institutes from Coimbra also attended. Of note, was the Seminar of Dr. João Pedro Magalhães. Since it was online, we had participants from outside the Coimbra ecosystem; Abel Salazar Biomedical Sciences Institute, University of Porto; and international participants from University Medical Center Groningen and University of Newcastle. Besides the seminars, the speakers and group leaders engaged in informal meetings (lunch). The series was communicated and disseminated using MIA-Portugal website (<https://www.uc.pt/mia/events/ageing-seminars-2023-2024/>), social media (LinkedIn and Twitter), UC channels (E-mail to MIA members and UC scientific community), other ageing related institutes (e-mail and direct contact). The flyers and photographs of the seminars are shown in (Fig. 1 and 2). Individual flyers for each seminar are in section Annex.




AGEING SEMINARS
2023-2024

2023

12th Oct
Aging of Hematopoietic Stem Cells: Epigenetic drift and the Remodelling of the niche
Dr. Maria Carolina Florian, IBIDELL, Spain

3rd Nov | **VIRTUAL**
Tackling the complexity of ageing with systems approaches
Dr. João Pedro Magalhães, University of Birmingham, UK

15th Dec
Gla proteins: Role in aging and disease related ectopic mineralizations
Dr. Leonor Cancela, Algarve University, Portugal

2024

5th Jan
cGas-STING is required for aging in telomerase deficient zebrafish
Dr. Miguel Godinho Ferreira, IRCAN, France

2nd Feb
Sexual dimorphism in Immunity and Ageing
Dr. Jenny Regan, University of Edinburgh, UK

1st Mar
Combining computational and molecular approaches to decipher the genetic component of human longevity
Dr. Joris Deelen, Max Planck Institute, Germany

5th Apr
Regulation of NMDA receptor function in aging
Dr. Luísa Lopes, IMM, Portugal

3rd May
Elucidating the systems biology of Ageing
Dr. Andreas Beyer, CEDAC, Germany

7th Jun | **VIRTUAL**
Reprogramming human skin cells into brain cells to better understand age-related disease
Dr. Jerome Mertens, University of California, USA

5th Jul
RNA-binding proteins in metabolism and Ageing
Dr. Ina Huppertz, Max Planck Institute, Germany

6th Sep
Evolutionary Ecology of Aging
Dr. Dario Valenzano, Leibniz Lipmann Institute, Germany

4th Oct
Telomeres and genome integrity
Dr. Michael Chang, ERIBA, University of Groningen, Netherlands

8th Nov
Convert mechanisms of longevity
Dr. Adam Antebi, Max Planck Institute, Germany

6th Dec
Brain EVs and stress-related pathology
Dr. Ioannis Sotiropoulos, ICVS Minho, Portugal

Exceptionally at 3.30pm

Additional Information:

🕒 12.00pm Lisbon time

📍 Auditorium 2, Student Hub, FMUC building, Coimbra

Enquires:
infomia@uc.pt

📱 📺 📘 🌐 📧

MIA Portugal
Multidisciplinary
Institute of Ageing

1 2 9 0
UNIVERSIDADE D
COIMBRA

Newcastle
University

umcg

ccdr

IPN

European Union's Horizon 2020 research and innovation programme under grant agreement No 857524

Figure 1. MIA-Portugal Ageing Seminars 2023-2024 Program



Figure 2. Photographs of Dr. João Pedro Magalhaes and Dr. Leonor Cancela Seminars

2.2. Translational Research workshops: From Cell to Sell

MIA-Portugal and our startups incubator partner Instituto Pedro Nunes (IPN) co-organized an online workshop series, entitled: *From cell to sell*. The

workshops were held on every Wednesday of October 2023 and were designed for researchers interested in comprehending the process of translating research findings into real life innovations. The target audience was MIA researchers and Coimbra scientific community. The series had the following workshops:

4th of October 2023

Funding and EU opportunities

Ana Jegundo (IPN)

11th of October 2023

How to protect your IP, build an IP roadmap/strategy

José Ricardo Aguilar (IPN)

18th of October 2023

How to develop your Proof of Concept

Laboratory for Automatics and Systems (IPN)

Clara Luxo (IPN)

25th of October 2023

Innovation

Department of Knowledge Valorization and Innovation

Cristiana Costa

A total of 20 participants participated in these workshops series, composed mainly by researchers and PhD students. The series was communicated and disseminated using, social media (Linkedin) and UC channels (E-mail to MIA members, key UC e-mails and distribution of flyers) (Fig. 3).

Researchers enthusiastically engaged in discussions with IPN speakers specialized in technology transfer and entrepreneurship. The feedback

received was very positive, highlighting the workshops' pivotal role in acquainting researchers with the intricacies of the technology transfer, entrepreneurship and innovation processes.

Online Workshops **october** **16h00**

FROM CELL TO SELL

4th of October
Funding and EU opportunities
Ana Jegundo

11th of October
How to protect your IP, build an IP roadmap/Strategy
José Ricardo Aguilar

18th of October
How to develop your Proof of Concept
Laboratory for Automatics and Systems

25th of October
Innovation
Department of Knowledge Valorisation and Innovation

Register in:

IPN
INSTITUTO PEDRO NUNES

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Figure 3. From cell to Sell Program

2.3. ETRS&SPCE-TC Join Meeting 2023

MIA-Portugal co-organized the *European Tissue Repair Society & Portuguese Society of Stem Cells and Cell Therapies Joint Meeting 2023*. The meeting was held in Coimbra from 11-13th of October 2023 and was organized by MIA's Group Leader Hugo Fernandes. The meeting brought together key players in the field of tissue repair and stem cells, to present and critically discuss the most recent

advances in this fields. The audience was composed of national and international participants, from junior researchers to group leaders. Approximately 100 researchers participated in the meeting. MIA-Portugal disseminated the meeting through social media (Linkedin and Twitter) and UC channels (e-mail to MIA members). The flyer is bellow (Fig. 4) and complete programme can be accessed in https://etsr-spce2023.cnc.uc.pt/?page_id=123



**ETRS & SPCE-TC
Joint Meeting 2023**
October 11th-13th – Coimbra, Portugal

European Tissue Repair Society (ETRS)
Portuguese Society of Stem Cells and Cell Therapies (SPCE-TC)
www.etr-spc2023.cnc.uc.pt

ETRS and SPCE TC joint meeting | etrs_spce | ETRS & SPCE Joint Meeting 2023

EARLY CAREER RESEARCHER PRE-CONFERENCE – OCTOBER 10TH

Keynote Speakers

			
Prof. Dr. Nicola Elvassore University of Padova (IT)	Prof. Dr. Maria Carolina Florian ICREA, P-CMRC, Bellvitge Institute for Biomedical Research (ES)	Prof. Dr. José António Belo NOVA University of Lisbon (PT)	Prof. Dr. Aristidis Veves Harvard Medical School (U.S.A.)
October 11th 11:00-11:50 Session 1: Stem Cells and Tissue Engineering	October 12th 09:00-09:50 Session 4: Stem Cells and Ageing MIA Portugal Lecture	October 12th 18:00-18:50 Session 7: Literacy, Ethics and Policy SPCE-TC Career Award	October 13th 09:00-09:50 Session 8: Translational Research and Regenerative Medicine Charles Lapière Memorial Lecture
<i>"Engineering stem cell environment in vivo through intravital 3D bioprinting"</i>	<i>"Ageing of hematopoietic stem cells: epigenetic drift and the remodeling of the niche"</i>	<i>"Pluripotent stem cell biology and technology in development and disease"</i>	<i>"Omics in diabetic foot ulceration from pathophysiology to new treatments"</i>

Conference Chairs
Eugenia Carvalho – CNC, University of Coimbra (PT)
Hugo Fernandes – FMUC, MIA-Portugal, University of Coimbra (PT)



Figure 4. ETRS&SPCE-TC Joint Meeting 2023 flyer

2.4. 3rd RESETageing Conference

MIA-Portugal co-organized the 3rd RESET ageing Conference, held in Coimbra from 6 and 7 of December 2023. The meeting was organized by Lino Ferreira and hosted by the UC Institute of Interdisciplinary Research. The meeting focused

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on the biology of ageing, with specific focus on cardiovascular ageing. Besides the co-organizing role, MIA group leaders, Nuno Raimundo and Alessio Vagnoni were guest speakers and the MIA Scientific Director Manuel Santos chaired a Session on the Biology of Ageing. Noteworthy to mention that MIA's postdoc Pedro Dionísio won the best poster presentation. The audience included both national and international participants, with a strong presence of PhD students. Approximately 100 researchers participated in the meeting. MIA-Portugal disseminated the meeting through social media (LinkedIn and Twitter) and UC channels (e-mail to MIA members). The flyer is below (Fig.5) and complete programme can be accessed in https://www.resetageing.eu/wp-content/uploads/2023/11/POSTER_RESETageing2023.pdf



Figure 5. 3rd RESETageing Conference program

2.5. ADVANCED COURSE: Ageing - from fundamental biology to societal impact

Members of MIA-Portugal, namely Célia Aveleira, Ira Milosevic, Nuno Raimundo, and Vilma Sardão, organized an advanced course entitled "Ageing: from Fundamental Biology to Societal Impact" for PhD students of the EIT Health Ageing PhD School. This comprehensive course spanned two weeks (26th June-7th July) and featured an average of three hours of online lectures each day. The curriculum covered a wide spectrum of topics, including the cellular basis of ageing, systems ageing, health literacy,

societal impact, and healthy ageing (Fig. XX on Annex section). A total of 55 students enrolled in this course.

Promotional efforts encompassed dissemination through the EIT Health Ageing PhD School's official communication channels and the extensive scientific networks of the organizers.

3. Public Science Communication Events (Societal interventions)

MIA-Portugal is committed to educating, promoting, and disseminating knowledge to the public. In line with this, MIA-Portugal actively participated in various science communication events with a primary focus on engaging and enlightening the general public. The following science and society activities were organized:

3.1. Brain Awareness Week

Brain Awareness Week is the global campaign to increase public awareness of the progress and benefits of brain research. Organized by the Dana Foundation, Brain Awareness Week is an opportunity to let people know about the progress that is being made in brain research, as well as progress in the diagnosis, treatment and prevention of disorders of the brain, such as Alzheimer's, Parkinson's, stroke, schizophrenia and depression.

In Portugal, Brain Awareness Week is coordinated by the Portuguese Society for Neurosciences in collaboration with the national agency for science and society initiatives - Ciência Viva.

Date: 25th of March 2023 | **Nature:** General public event, science communication event

3.1.1. Cocktail for healthy ageing

The MIA's researcher Célia Aveleira was invited to participate in an initiative named "Cocktail for healthy ageing", which consisted in a round table aimed to raise awareness among the population about health-related issues and quality of life, specifically to enhance literacy about active ageing. MIA promoted this event using social media (Instagram) (Fig. 7).



Figure 6. Flyer and photograph of the event *Cocktail do Envelhecimento Saudável*

3.1.2. School Visits

As part of the Brain Awareness Week, there is an effort to enhance brain health awareness from a young age. In this regard, MIA's researchers, Célia Avelaira and Ivan Lalanda, gave a talk to eleventh graders at Escola Secundária Lima de Faria in Cantanhede, addressing the topic of "How Neurons Age." Figure 8 shows a picture of the event

Date: 14th and 28th of March 2023 | **Nature:** High schoolers, Science Communication



Figure 7. Photograph of the event "How Neurons Age" during the Brain Awareness Week

3.2. Sciever Talk 2023

Sciever Talks were informal conversations with researchers from the University of Coimbra (UC), promoted by Institute of Interdisciplinary Research, for students of Senior Universities of the Coimbra region. MIA Researcher Vilma Sardão talked about Osteoporosis, mechanisms responsible for the development of this disease, the role of estrogen in its progression, and the currently available methods for diagnosis and prevention (Fig. 9).

Date: 15th of March 2023 | **Nature:** Senior population, science communication event.



Figure 8. Flyer and photograph of Scievier Talks

3.3. Longevity Med Summit

MIA-Portugal participated in the international «Longevity Med Summit», held on the 4th and 5th of May, in Lisbon, Portugal. The Institute displayed its activity in the exhibiting area, presenting information about the research and mission of MIA-Portugal.. The main goal of the Longevity Med Summit was to provide and share knowledge among the medical community on how to helping patients live longer and delay age-related health issues. Group Leader, Nuno Raimundo, presented the keynote “Intracellular communication and longevity” and Group Leader Lino Ferreira presented the keynote “Ageing: modelling and potential interventions” (Fig. 10).

Date: 4th and 5th of May 2023 | **Nature:** Medical Community, science communication event.



🕒 12:10 - 12:30 pm

Intracellular communication and Longevity

by Nuno Raimundo, Group Leader at Multidisciplinary Institute of Ageing (MIA-Portugal)
University of Coimbra, Portugal

► STEM CELLS ► SCIENCE ► RESEARCH



🕒 12:50 - 13:10 pm

Ageing: Modelling and Potential Interventions

by Lino Ferreira, Coordinator Investigator at Faculty of Medicine, Director of “Advanced Therapy” research group, Center for Neuroscience and Cell Biology of University of Coimbra (CNC-UC), Coordinator of Colab4Ageing, Coimbra, Portugal

► RESEARCH ► THERAPEUTICS ► SCIENCE



Figure 9. Participation of MIA members and advertisement material showcased on the MIA stand at Longevity Med Summit 2023

3.4. Medicina Regenerativa e o Envelhecimento: A jornada da vida

Group leader Hugo Fernandes delivered a talk to senior students of the Coimbra “Senior University” on “Regenerative Medicine and Ageing”. This

event was promoted by regional Expofacic 2023 popular exhibition which had over 400,000 participants

Date: 3rd August 2023 | **Nature:** General, Senior public event, science communication event

3.5. European Researchers' Night 2023

The European Researchers' Night (ERN) is an event that occurs simultaneously in various cities across Europe. The Coimbra ERN is part of a National Consortium with the theme "Science for All: Sustainability and Inclusion". Approximately 600 researchers from 30 research centers of the University of Coimbra organize dozens of hands-on activities, visits, dance, experiments, demonstrations for all ages. The researchers showcase their science in various scientific fields, engaging with the citizens of Coimbra and the wider community, promoting scientific literacy.

MIA-Portugal researchers participated in this event, talking about ageing mechanisms and healthy ageing. The public was challenged with quizzes on healthy ageing and young people learned about cell ageing through hands-on activities (Fig.11). MIA promoted this event using social media (Instagram and Facebook LinkedIn).

Date: 29th of September 2023 | **Nature:** General public event, science communication event



Entender o envelhecimento para viver melhor

32

29 set 2023
17h - 00h

Hands-on, jogo

Todas as idades

MEN Coimbra

INVESTIGADORES/IAS

MIA Portugal
Multidisciplinary
Institute of Ageing

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

PARCEROS

STREET

noiteeuropeiadoinvestigadores.uc.pt



Figure 10. Photographs and Flyer of European Researcher's Night

3.6. PicNic com Saúde 2023

MIA-Portugal researchers participated in this public event targeted at the general population. This event was organized by the Clinical and Biomedical Research Institute of Coimbra (iCBR) and the Faculty of Medicine at the University of Coimbra (FMUC). The program included hands-on activities, musical performances, interactive workshops, and informative science communication booths, among others (Fig. 12). MIA promoted this event using social media (Instagram and Facebook).

Date: 30th of September 2023 | **Nature:** General public event, science communication event.



Figure 11. Photograph and Flyer of PicNic com Saúde

3.7. International Day of the Senior Person2023: Dia Internacional do Idoso 2023

The Centro Regional Committee of the Order of Physicians, through the Aging Office, in partnership with Ageing@Coimbra, celebrated the International Day of the Senior Persons. This event took place in Coimbra, along the Mondego river bank and promoted activities such as the evaluation of healthy lifestyles, digital empowerment, health literacy, and the provision of advice on best practices (Fig. 13). MIA Researchers engaged in discussion with the public, about healthy ageing. This event was promoted using MIA's social media (Instagram and Facebook LinKedIn).

Date: 31st of September 2023 | **Nature:** General public event, science communication event.



Figure 12. Photographs and program of Dia Internacional do Idoso 2023

3.8. Science Week 2023: Semana da Ciência UC 2023

During the UC Science Week 2023, MIA researcher Vilma Sardão and PhD student Patrícia Coelho, talked and promoted a hands-on activity to high school students on “Yeast cellular metabolism”. This event was promoted using MIA’s social media (LinkedIn and Twitter). Below is UC Science Week 2023 flyer (Fig.14).

Date: 14th of December 2023 | **Nature:** General public event, science communication event.



Figure 13. Flyer Semana da Ciência UC

3.9. X Meeting of Active and Healthy Ageing: 10º Congresso em Envelhecimento Ativo e Saudável

MIA's CEO, Sofia Varanda, and Communication Manager, Maria João Freitas, showcase the MIA-Portugal project at the Xth meeting of Active and Healthy

Ageing (10^o Congresso em Envelhecimento Ativo e Saudável) organized by the Ageing@Coimbra Consortium. During this event, the MIA-Portugal project was presented to policymakers, regional authorities, general public and service providers (Fig.15).

Date: 12th of December 2023 | **Nature:** Regional authorities and service providers.



**Ageing@
Coimbra**

**EIP ON AHA**
REFERENCE SITE
★★★★

**AgeINfuture**
CENTRO DE INVESTIGAÇÃO PARA O ENVELHECIMENTO
SAÚDE E QUALIDADE DE VIDA NA REGIÃO CENTRO

**EIP ON AHA**
REFERENCE SITE
★★★★

10º Congresso Envelhecimento Ativo e Saudável Região Centro

Convento São Francisco, Coimbra
12 dezembro 2023



**CHANGEING**
EXCELLENCE HUBS

**Funded by
the European Union**

**CÂMARA MUNICIPAL
da
COIMBRA**

Inscrições: 

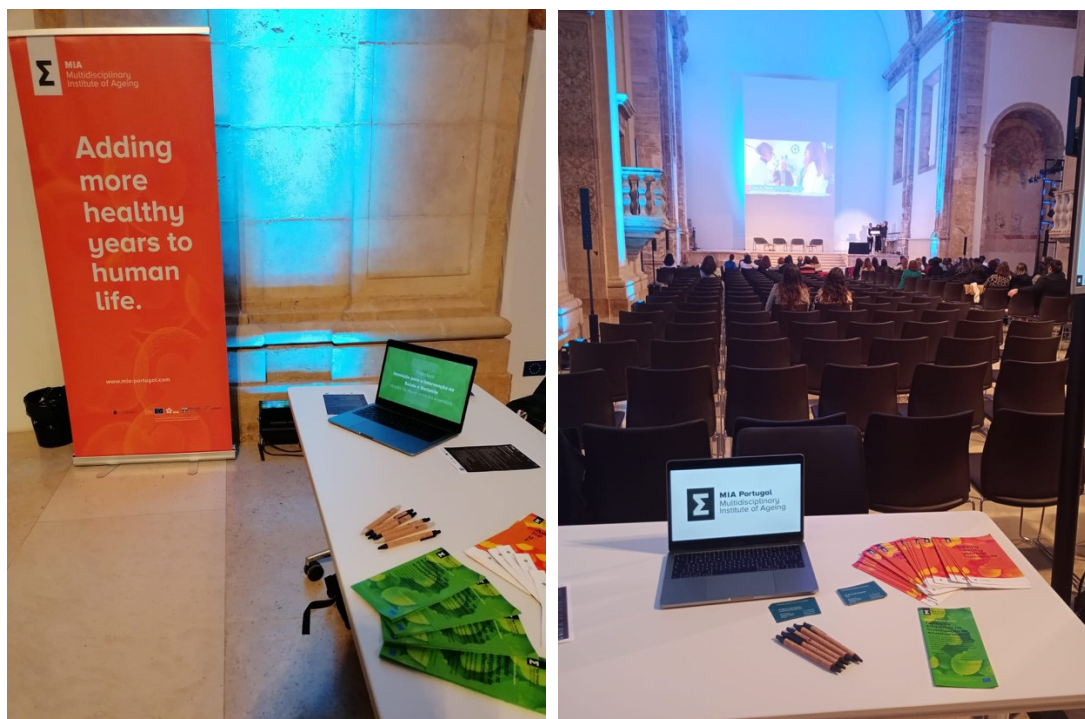


Figure 14. Flyer and photographs of 10th Congress on Active and Healthy Aging

4. Participation in Scientific, Networking and Public Events

In pursuit of disseminating the knowledge generated within MIA-Portugal, our members actively engaged in numerous scientific events. These engagements took various forms, including oral presentations, poster presentations, and event attendance. It is worth highlighting that these scientific gatherings served as opportunities for networking, showcasing the MIA-Portugal project, and fostering new collaborations. Below is a comprehensive list of the scientific events in which MIA members participated.

- 1) **Ingram Seminars at the University of Kent** | 28th February 2023 | Canterbury, UK | Scientific Event | Talk by Group leader Dr. Ira



Milosevic, “Towards improving synaptic transmission in the failing brain”.

- 2) **Good Practices Award on active and Healthy Ageing in Centro Region**, Visit to Irland | 28-30th March 2023 | Dublin, Irland | Networking and Innovation event | Attendance by MIA Innovation Project Manager Ana Alves.
- 3) **UK National Innovation Centre for Ageing NICA Summit** | 29th March, 2023 | Newcastle, UK | Scientific Event | Talk by Group leader Dr. Ira Milosevic, “Ageing component in Parkinson’s disease”
- 4) **EIT Health InnoStars** | 30th March 2023 | Coimbra, Portugal | Meet & greet Event | Attendance by MIA’s CEO, Sofia Varanda
- 5) **12th Student Congress of Neuroscience/Neu-Ri** | 21-23th April | Rijeka, Croatia | Scientific Event | Keynote lecture by Group leader Dr. Ira Milosevic, “Targeting endocytic pathways in Parkinson’s disease”
- 6) **Fens Regional Meeting 2023** | 3-5 May 2023 | Albufeira, Portugal, Science Event | Poster presentation by PhD student Ana Caulino-Rocha, “Endophilin-A mutants display age-dependent alterations in the dopaminergic system”
- 7) **MITOPORTO 2023** | 12-13th May | Porto, Portugal | Talk by Dr. Carla Lopes, "Mitochondria damage-associated molecular patterns associated to extracellular microvesicles promote microglia-mediated proinflammatory response".
- 8) **The Pint of Science Festival** | 31st May | Coimbra, Portugal | Invited speaker Dr. Carla Lopes, "Células estaminais ao poder!".
- 9) **Ageing: from fundamental biology to societal impact** | 26th June-7th July | Portugal (online event) | Advanced course | Attendance by Dr. Ivan Lalanda



- 10) **CellMeD Meeting in Cellular membrane dynamics** | 11-13 July | Braga, Portugal | Scientific Event | Invited speaker Group leader Dr. Nuno Raimundo, “Mitochondria and the social organelle network”.
- 11) **British Society for Research on Ageing (BSRA) Annual Conference** | 4-8th September | London, UK | Scientific Event | Poster presentation by Group leader Dr. Alessio Vagnoni
- 12) **Meeting of the Health Sub-group of the Teaming projects** | 11th- 12th of September 2023 | Szeged, Hungary | Financing and networking event | Attendance by MIA’s CEO, Sofia Varanda and Scientific Director, Manuel Santos.
- 13) **Biophysical Society Conference on Membrane Fusion** | 24-27th September 2023 | Estes Park, USA | Scientific event | Invited speaker Group leader Dr. Ira Milosevic, “Negative regulation of exocytosis by amisyn”.
- 14) **Groningen-Jena Aging Meeting (G-JAM) 2023** | 28-30th September 2023 | Groningen, Netherlands | Scientific event | Attendance by Dr. Mónica Fernandes, Dr. Ivan Lalanda; Poster presentation by Group leader Dr. Alessio Vagnoni and Talk by Group Leader Dr. Hugo Fernandes, “Unlocking the regenerative potential of extracellular vesicles: Bioactivity enhancement through miRNA modulation”.
- 15) **2nd Teaming Club Conference** | 28-29th September 2023 | Izola, Slovenia | Networking and management event | Attending and presentation by CEO and Scientific Director, Dr. Ana Sofia Varanda and Prof. Manuel Santos.
- 16) **EMBO Meeting Organelle Contact Sites** | 1st-3rd October | Fiuggi, Italy | Oral presentation by Group leader Dr. Nuno Raimundo, AMPK regulates mitochondria-endoplasmic reticulum contact sites.

- 17) EASD - European Association for the study of diabetes 2023 | 3-6th**
October 2023 | Hamburg, Germany | Scientific event | Group leader Hugo Fernandes presenting author of "Identification of miRNAs able to protect beta-cells from glucolipotoxicity using a high-throughput screening approach".
- 18) Targeting Mitochondria World Congress 2023 | 11-13th of October 2023 |**
Berlin, Germany | Scientific event | Short oral presentation by Dr. Carla Lopes, "Mitochondrial Cargo in Extracellular Vesicles Promotes Microglia-Mediated Proinflammatory Response".
- 19) European Tissue Repair Society & Portuguese Society of Stem Cells and Cell Therapies Joint Meeting 2023 | 11-13th October 2023 | Coimbra, Portugal | Scientific event | Group leader Hugo Fernandes presenting author of "Scalable production of Extracellular Vesicles from Mesenchymal Stem/Stromal Cells using a Hollow Fiber Bioreactor" and "Identification of miRNAs able to protect beta-cells from glucolipotoxicity using a high-throughput screening approach".**
- 20) European Drosophila Research Conference | 20th -23th October | Lyon, France | Scientific Event | Oral presentation by Group leader Dr. Alessio Vagnoni, "In vivo characterisation of mitochondrial contact sites in Drosophila neurons: implications for ageing and neurodegeneration"**
- 21) Champalimaud Research Symposium 2023 | 24-27th October | Lisbon, Portugal | Scientific Event | Lisbon, Portugal | Poster presentation by PhD student by Ana Caulin-Rocha, "Reduction of FBXO32 rescues dopaminergic axonal pathology in Endophilin-A mutants".**
- 22) Annual meeting of the Gerontological Society of America | 8th-12th**
November 2023 | Tampa, Florida, USA | Scientific Event | Oral presentation by Group leader Dr. Nuno Raimundo, "Role of mitochondria-lysosome crosstalk in senescence and aging".

- 23) **Longevity Summits week** | 13-17th November 2023 | Oxford, UK | Scientific Event | Attendance by Group Leader Dr. Ira Milosevic.
- 24) **GenomePT 2023** | 17th November 2023 | National Institute of Health Doutor Ricardo Jorge, Lisbon, Portugal | Keynote presentation by Scientific director Prof. Manuel Santos.
- 25) **PharmaPhD meeting 2023** | 23rd November 2023 | Coimbra, Portugal | Scientific Event | Oral communication by PhD student Ana Caulino-Rocha “Modulation of E3-ubiquitin ligase Fbxo32 in Endophilin-A mutants rescues dopaminergic axonal pathology”.
- 26) **Mitochondria in Aging, Cancer and Cell Death** | 1st-2nd December 2023 | Coimbra, Portugal | Scientific event | Invited talk by Group Leader Dr. Nuno Raimundo “Mitochondrial interactions: touch me, don't touch me; just be sweet”

5. Conclusion

In conclusion, the many series of events organized by MIA-Portugal in 2023 stands as a testament to our commitment to advancing knowledge and fostering innovation. Through meticulous planning and execution, we successfully convened diverse stakeholders, including researchers, policymakers, and the general public in impactful discussions and collaborative initiatives. The positive outcomes, evidenced by the constructive feedback received, underscore the effectiveness of these events in promoting knowledge exchange and catalyzing potential avenues for future research and technological advancements.

Moreover, the engagement of participants with specialized speakers, particularly from IPN focusing on technology transfer and entrepreneurship, has fortified our collective understanding of these critical domains.

The participation of our researchers in communication and dissemination activities was crucial in ensuring the widespread impact and recognition of our institute's work. These events were also an avenue for building valuable connections, attracting collaborative opportunities, and facilitating the application of research outcomes in real-world contexts.

6. Annex

Flyers of the Ageing Seminars





Figure 15. Flyers of MIA-Portugal Ageing Seminars series 2023/2024



Complete program of Advanced course- Ageing: from fundamental biology to societal impact



Advanced course

Ageing: from fundamental biology to societal impact

Organizers Célia Aveleira Ira Milosevic João Malva Nuno Raimundo Paulo Oliveira Vilma Sardão Dates June 26 – July 7, 2023 (Monday–Friday) Time Lectures Start 17h CET / 16h PT Online event Lecture Room, Week 1 https://videoconf-colibri.zoom.us/j/93493008012 Lecture Room, Week 2 https://videoconf-colibri.zoom.us/j/97326885123	June, 26 PLENARY TALK Moderator Ira Milosevic 16:00 Course organizers; Welcome and introduction to the course 16:10 Nenad Sestan (Yale University, USA) Plenary talk "What make us human? Development and evolution of the prefrontal cortex" June 27 "BASIS OF AGEING AND LONGEVITY" Moderator Nuno Raimundo 16:00 Anita Krisko (University Medical Center Göttingen, Germany) "Secrets of aging: from unicellular model organisms to humans" 17:00 João Pedro de Magalhães (University of Birmingham, UK) "Genes regulating ageing and the quest for immortality" 18:00 José Castro (i3S Porto, Portugal) "Longevity interventions and aging clocks: What can we learn about the nature of biological age?"
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June 28 "DNA DAMAGE/REPAIR AND SENESENCE" Moderator: Célia Aveleira & Ira Milosevic 16:00 Ivan Ahel (University of Oxford, UK) "ADP-ribosylation signalling in regulation of genome stability" 16:50 Evandro Fei Fang (University of Oslo, Norway) "DNA damage-induced impairment of the NAD⁺-mitophagy axis exacerbates ageing and neurodegeneration" 17:40 Yossi Shiloh (University of Tel Aviv, Israel) "The genome instability-ageing-senescence link: The ataxia-telangiectasia paradigm" 18:30 Debate June 29 "BRAIN AGEING AND NEURODEGENERATION" Moderator: Ira Milosevic 16:00 Tiago Outeiro (University Medical Center Göttingen, Germany) "Glycation as a target for intervention in neurodegeneration" 16:50 Joachim Herz (University of Texas Southwestern, USA) "ApoE4, autophagy and endolysosomal dysfunction — the roots of Alzheimer's disease" 17:40 Ghazal Ashrafi (Washington University St. Louis, USA) "Investigating the role of metabolic dysregulation in neurodegeneration using optical physiology" 18:30 Debate	June 30 "BONE AGEING" Moderator: Vilma Sardão 16:00 Gustavo Duque (McGill University, Canada) "How osteosarcopenia affects muscle and bone metabolism?" 16:50 Maria Helena Fernandes (University of Porto, Portugal) "Aging of the musculoskeletal system" 17:40 Márcio Simão (University of Algarve, Portugal) "Zebrafish as a biological model to study bone metabolism disorders" 18:30 - Debate July 3 "HEALTH LITERACY" Moderator: Paulo Oliveira 16:00 António Gomes da Costa (Instituto Gulbenkian de Ciência, Portugal) "The day I recommended an unproven therapy to a reiki enthusiast" 16:50 John Ioannidis (Stanford University, USA) "Reliable and open science for an assertive health literacy" 17:40 Anabela Azul (University of Coimbra, Portugal) "From Science to Society: trucks, cartoons, the old and the new" 18.30 Debate
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July 4 "SOCIETAL IMPACT" Moderator: João Malva 16:00 Maria Cristina Polidori (University of Cologne, Germany) "Inflammation and long COVID" 17:00 Margarida Lima (University of Coimbra, Portugal) "Social networks and ageing" 18:00 Helena Canhão (Nova Medical School, Portugal) "Physical Frailty and Ageing" July 5 "NUTRIENT SENSING, AUTOPHAGY AND AGEING" Moderator: Ira Milosevic & Nuno Raimundo 16:00 Satomi Miwa (Newcastle University, UK) "Dietary restriction, mitochondria and aging" 16:50 Duarte Barral (Nova Medical School, Portugal) "Lysosome and autophagy changes in aging" 17:40 Viktor Korolchuk (Newcastle University, UK) "Autophagy as a mechanism of oxidative stress response"	July 6 "MEDITERRANEAN DIET AND HEALTHY AGEING" Moderator: Paulo Oliveira & João Malva 16:00 Piero Portincasa (University of Bari, Italy) "The Mediterranean Diet from a Clinician Perspective: the Puglia Example" 17:00 John Mathers (Newcastle University, UK) "Mediterranean diet and nutrigenomics" 17:40 Richard Siow (King's College, UK) "Epigenetics and biological ageing clocks for consumer longevity" July 7 "EVALUATION AND FINAL REMARKS" 16:00 Evaluation & presentation by students 16:30 – Final remarks
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Figure 16. Eit Health Advanced course Ageing: From fundamental biology to societal impact



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