



RESETageing

Newsletter | May 2023

Lino Ferreira, Project Coordinator

Dear RESETageing partners:

It is my pleasure to share with you the forth RESETageing newsletter. In this newsletter we talk about the RESETageing Workshop in Innovation and Business Ignition Program in Ageing, that was organized in January by Instituto Pedro Nunes and the University of Coimbra. We also talk about the outreaching activities that RESETageing researchers have been (and will be) involved.

Please remember to regularly visit our website at <https://resetageing.eu> for RESETageing project updates and news. In case you are planning to organize an event let us know in advance through the email RESETageing@uc.pt

Best wishes
Lino

RESETageing Workshop in Innovation and Business Ignition Program in Ageing

Between 16 and 27 of January 2023 the Workshop in Innovation and Business Ignition Program occurred at Instituto Pedro Nunes and the University of Coimbra, in Coimbra and it gathered 13 students from all partners of RESETageing Consortium.

During the first week the students were trained in the area of innovation and were divided into 4 groups. Each group had a patented technology around which they had to develop a new product/service in the area of Aging. In the second week, students started the creation of Go to Market plans for their technologies and at the end of the Workshop each group made a Pitch of their technology to an independent Jury. The winner technology "Nanoport Biotechnologies" was awarded a 2,000 € prize and a free Registration and a guaranteed spot at the Ineo Start 2023, which is a an Acceleration Program for technology-based ideas or projects. The other 3 technologies "Collagen", "NanoRare" and "Mitonix" were awarded a 1,000 € and they were all invited to submit their technologies to the Ineo Start Program.

We want to thank Instituto Pedro Nunes (in particularly to Jorge Pimenta and Ana Maria Alves), and to UC Business (particularly to Laura Alho, Patricia Rita and Maria Cano) for the organization of this event and to all 9 mentors that were involved in the students training and mentoring, for the fruitful Workshop. We also thank the 3 members of the Jury that accepted the challenge of selecting the best project. A final word to all students for the hard work developed during these intense 2 weeks. Thank you all.

A short video about this event can be seen [here](#)



Upcoming RESETageing Events

3rd RESETageing Conference - 2023

The third and last RESETageing conference will be organized by the University of Coimbra on December 2023 in Coimbra. All members of the groups involved in RESETageing project are invited to participate. Please book on your calendar these days to attend the final RESETageing meeting.

More information will soon be available at the project website at [RESETageing.eu](https://resetageing.eu)

6-7 December

RESETageing Training School - 2023

The RESETageing training school 2023 will be at the University of Coimbra.

This year's theme will be on quantitative confocal microscopy. More information will soon be available at the official project website at [RESETageing.eu](https://resetageing.eu)

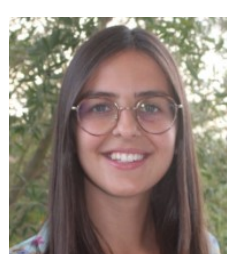
1-5 December

Support of International CONFERENCES

RESETageing supported the organization of sessions in the following international conferences

- DGFA - German Association for Aging Research | June, 2023
- 57th Annual Meeting ESCI | June, 2023
- 33rd Annual Conference of the ESB | September, 2023
- 13th Meeting SPCE-TC | September, 2023
- Groningen-Jena Aging Meeting (G-JAM) | September, 2023

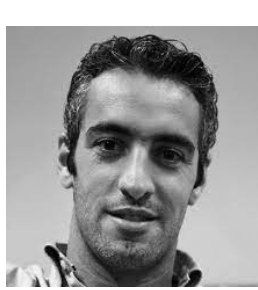
PhD thesis with supervisors from the RESETageing partners (ongoing)



I am a first year PhD student in the Advanced Therapies Group, headed by Dr. Lino Ferreira at the Centre for Innovative Biomedicine and Biotechnology, University of Coimbra. My work is focused on the immobilization of pro-regenerative nano-formulations based on microRNAs and mRNAs in cardiac patches to attenuate cardiac fibrosis and induce cardiomyocyte proliferation after myocardial infarction. Part of my PhD project will be developed at Maastricht University in collaboration with Dr. Paula da Costa Martins.

RESETageing NEWS

Hugo Fernandes hired by MIA-Portugal



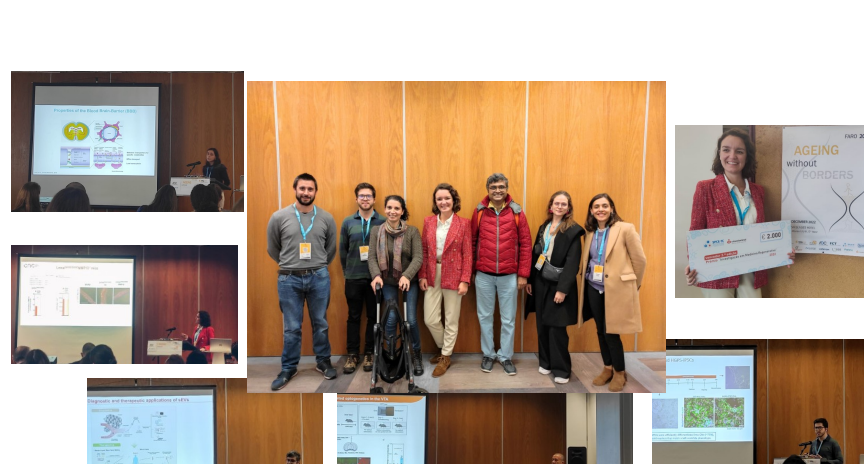
I am delighted and honoured to join MIA-Portugal, the first institute in Portugal dedicated to studying the molecular mechanisms of ageing. My laboratory will focus on understanding the complex processes that govern stem cell ageing and developing innovative technologies to ameliorate or even reverse the effects of ageing.

I am fully committed to finding solutions that can help our ageing population, and I am eager to train a new generation of scientists equipped with the knowledge and tools necessary to tackle this challenge. Furthermore, myself and my team will reach out to the general public, patient associations and policy-makers in order to disseminate the gathered knowledge to a broader audience.

Hugo Fernandes

RESETageing participation at the conference Ageing Without Borders

The Conference Ageing Without Borders was held in Faro Portugal on 7th-8th December 2022. This conference had ageing as the background theme and aimed to bring for discussion the most recent advances on fundamental and translational research on ageing. RESETageing was represented by several researchers and PhD students such as Susana Rosa that presented part of her work entitled: "The transition from a young to aged BBB is mediated in part by a senescence brain endothelial cell program" as an oral communication, Lino Ferreira was chairman of a session and gave a talk on another session entitled "Ageing: modeling and potential therapies". Hugo Fernandes presented his work on "Engineering extracellular vesicles for Regenerative Medicine", Arnab Banerjee presented his work on "Radio-labeling aged Small Extracellular Vesicles by PET imaging" and Luís Monteiro presented his work on "A model of aged cardiomyocytes derived from induced pluripotent stem cells". Helena Aires, Deolinda Santinha, Patricia Pitrez and Vitor Francisco had the opportunity to present their work through different posters. Patricia Pitrez was awarded in the conference by winning the Regenerative Medicine Research Award by Crioestamina & SPCE-TC, with her published work "Vulnerability of progeroid smooth muscle cells to biomechanical forces is mediated by MMP13", in Nature Communications. Congratulations Patricia!



Outreach Activities

All partners of RESETageing Consortium are encouraged to participate in outreach activities in the scope of RESETageing project in national and international events.

On 2023 RESETageing partners from UC are planned to be involved in the following outreach activities for public engagement and science communication

- **European Researchers' Night 2023**
- **FIC.A - International Science Festival 2023**

RESETageing AT SCHOOLS



We thank Sandra and Marta for their contribution in this event.

Sandra Pinhações and Marta Barão were of the Rómulo - Centro de Ciência Viva of the University of Coimbra to organize a communication activity with the theme: "How to protect the pancreas, the role of a healthy diet", with students between 6 and 9 years old.



Publications

• Involving 2 RESETageing partners

- Deolinda Santinha, Andreia Vilaça, Luís Estronca, Svenja C. Schüller, Catherine Bartoli, Maximilian Quaas, Annachiara De Sandre-Giovannoli, Tilo Pompe, Arnaldo Figueiredo, Alessandro Ori* and Lino Ferreira* Remodeling of the cardiac extracellular matrix proteome during chronological and pathological aging. Submitted

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RESETageing official LOGO

We kindly ask all the members of RESETageing consortium to use this logo whenever RESETageing project is mentioned.

FINAL REMARKS

Publications or presentations resulting from work developed under the scope of RESETageing have to include the following sentence and the EU flag: "This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 952266".

Please send your suggestions to RESETageing@uc.pt