



RESETageing

Newsletter | May 28, 2021

Welcome Message

by LINO FERREIRA, Project Coordinator

Dear RESETageing partners:

It is my pleasure to share with you the first RESETageing newsletter. We hope that this space (distributed every 6 months) will be an interesting forum for the RESETageing community to share their activities. In case you are planning to organize an event let us know in advance through the email RESETageing@uc.pt.

Best wishes
Lino

Dark
Background



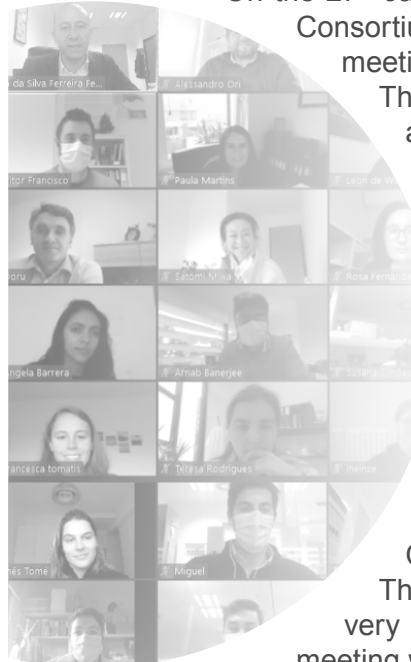
Official LOGO

It was created an official logo for RESETageing inspired on the on the combination of the "reset" symbol with the outline of a cell and the DNA molecule. We kindly ask all the members of RESETageing consortium to [use this logo](#) from now on whenever RESETageing project is mention.

White
Background



Kick-Off Meeting



On the 27th January 2021 the RESETageing kick-off meeting gather all the partners of the Consortium to officially launch RESETageing project. Due to COVID-19 Pandemics the meeting was online and had a total of 64 participants.

The coordinator of the project, Lino Ferreira, started the meeting by presenting a summary of the project, the assign responsibilities and the milestones to be achieved during the project. Also the governance structure and the training program were presented.

Luciano Catani (from the European Comission), Doru-Leonard (Project Officer of RESETageing project), Sandra Morgado (financial responsible of RESETageing project at University of Coimbra), Alessandro Ori (Leibniz Institute on Ageing), Leon J. de Windt (Maastricht University), Thomas von Zglinicki (Newcastle University), Maria João Vidigal (University of Coimbra), Viktor Korolchuk (Newcastle University), Ana Cristina Rego (University of Coimbra), Paula Costa (Maastricht University), Henrique Girão (University of Coimbra), João Malva (University of Coimbra) and Laura Alho (University of Coimbra Business) were the speakers of this meeting.

This was the first opportunity to the Consortium to gather together and it was a very interested, pleasant and fruitful meeting. We hope to see you all in the next meeting which will be the firsts RESETageing conference, in June 11th 2021.

Upcoming Events

Training School

Virtual | June 7-10, 2021

The first RESETageing training school, which will be virtual, will be organized by Alessandro Ori and Manja Marz from Leibniz Institute on Ageing, and it will focus on Gene and Proteomic Analysis. For one of the modules there is a **limit of 20 students**, but for the other modules there is no number limitation.

Registration
(Free of charge)

1st Conference

Virtual | June 11, 2021

The first RESETageing conference will occur online on June 11th. All members of the groups involved in RESETageing project are invited to participate.

Registration

Support of International CONFERENCES

RESETageing supported the organization of sessions in the following international conferences

55th ESCI Annual Scientific Meeting | June 9-11, 2021

Regenerative and Genomic Medicine Session. Organizers: Lino Ferreira (University of Coimbra) and Albert Rizvanov (Kazan Federal University, Russia)

[More information at esci.eu.com](#)

TERMIS, 6th World Congress | November 15-19, 2021

Session Organizers: Lino Ferreira (University of Coimbra) and Leon de Windt (University of Maastricht)

[More information here](#)

Jena Aging Meeting | October 20-23, 2021

Organizers: Leibniz Institute on Aging – Fritz Lipmann Institute (FLI) & ERIBA Groningen, Netherlands. In cooperation with: Aging Research Center (ARC) Jena | Jena Centre for Healthy Ageing | LRA Healthy Ageing

[More information here](#)

COURSES Available for RESETageing Consortium Members

Members of the groups involved in RESETageing project can attend to established courses from the partners of the consortium. Here is a list of [available courses at Leibniz Institute on Ageing](#):

- R course
- Latex course (1 week block course)
- Phylogeny course (1 week block course)
- Sequencing with ONT (wet lab, 3 days)
- Programming in python (weekly, each 2h, 12 weeks), we made also an online tutorial, you can learn it yourself and then contact us for questions.
- Bash crash course (2 weeks block course)
- High throughput sequencing, assembly, data analysis (weekly, each 2h, 12 weeks)
- Bioinformatics for biologists (50/50 theoretical and practical course, weekly, each 2h, 12 weeks)
- ncRNA and data analysis *in silico*, incl miRNA target prediction (weekly, each 2h, 12 weeks)

Letters from Participants



If you are interested to sequence a transcriptome, please contact in advance Manja Marz. She is interested in non-coding RNAs analysis and could use your data, however, needs possibly a different extraction/preparation in wet lab. Please contact Manja Marz or send an email to RESETageing@uc.pt and we will get you in contact.

COLLABORATION PROJECTS within RESETageing Consortium

1 **Biolmage2CTO** New imaging biomarkers for the diagnosis of total coronary occlusions

Principal Investigator
Maria João Vidigal

Team member
Lino Ferreira

Funding agency: Portugal2020
Period: 2021-2023

The aim of this research project is to find imaging markers of therapy response, namely of revascularization, in the presence of chronic total coronary occlusions.

2 **HealthyAgeing@LAB** Collaborative laboratory for innovative products and services in the area of ageing

Principal Investigator
Lino Ferreira

Team member
João Malva, Henrique Girão

Funding agency: FCT
Period: 2021-2027

The objective of this project in innovation is to address a complex societal/demographic/economic problem about ageing that requires the contribution of several stakeholders including universities, companies, hospitals, municipalities, primary care and social providers, among others.

RESETageing STUDENT EXCHANGE

One of the goals of RESETageing project is to foster collaborations between partners, and the exchange of students is strongly encouraged. In this section we will report about students from partners that are performing (or planning to do) research in other partners within RESETageing consortium.



I'm **ANDREIA VILAÇA**, a final-year PhD student at the groups of Lino Ferreira (CNC, University of Coimbra, Portugal) and Leon de Windt (DMG, University of Maastricht, The Netherlands). I have been working on extracellular vesicles as vehicles for cardiovascular delivery of non-coding RNAs, both at the fundamental and applied levels. Throughout this project, the different research focus of the two groups has established a unique environment for multidisciplinary discussion and feedback. Furthermore, the technologies used in both laboratories are complementary which facilitated research.



I'm **RICARDO ABREU**, a final-year PhD student at the groups of Lino Ferreira (CNC, University of Coimbra, Portugal) and Paula da Costa Martins (DMG, University of Maastricht, Netherlands). My work is focused on the development of extracellular vesicle-based biotechnology for regenerative therapy purposes, particularly in the cardiovascular field. The close partnership between both my host institutions, and specifically the laboratory groups where our work is performed, has allowed for a rapid exchange of knowledge and information, facilitating research and fostering international scientific collaboration on an individual and organizational level.

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. Regarding the University of Coimbra, the following outreach activities are planned to be performed:

• EUROPEAN RESEARCHERS' NIGHT

RESETageing project will participate at the European Researcher' Night 2021



• CIÊNCIA VIVA

RESETageing project will be presented at the Science and Society Projects section of Ciência Viva website



• RESETageing AT SCHOOLS

Researchers from RESETageing consortium will present their work within RESETageing project at schools from different educational levels

Publications

Exogenous loading of miRNAs into small extracellular vesicles. Ricardo Abreu, Cristiana V. Ramos, Clarissa Becher, Miguel Lino, Carlos Jesus, Paula da Costa Martins, Patrícia A. T. Martins, Maria João Moreno, Hugo Fernandes*, Lino Ferreira*. *Journal of Extracellular Vesicles* 2021 (in press).

Publication in collaboration with Paula Costa Martins at the University of Maastricht (partner of RESETageing project). **Development of an engineering strategy to load small extracellular vesicles with miRNAs that might be useful for the treatment of age-related diseases.**

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 program RESETageing grant agreement No 952266".

Please send your suggestions to RESETageing@uc.pt