



DELIVERABLE REPORT

Grant Agreement Number: 812954

H2020-MSCA-ITN-2018

EUROoC

Interdisciplinary training network for advancing
Organ-on-a-chip technology in Europe

Deliverable 3.4: Compilation of the ESR's Introductory Video Clips

Project coordinator name Jun.-Prof. Dr. Peter Loskill

Project coordinator organisation name Fraunhofer

Report prepared by Valeria Orlova (LUMC)



Dissemination Level of Report

- | | |
|--|----------|
| PU Public | X |
| PP Restricted to other program participants (including the Commission Services) | |
| RE Restricted to a group specified by the consortium (including the Commission Services) | |
| CO Confidential, only for members of the consortium (including the Commission Services) | |

PUBLIC

Abstract

The ESRs created videos about their respective EUROoC projects and explain their field of research, their aims, and progresses. They are published on the EUROoC website. In addition, they can be accessed via the platform YouTube. We advertised the videos on our LinkedIn and Twitter account and included them in the semi-annual newsletter. They are accessible via <https://www.eurooc.eu/research/#projects>.

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1 Videos

1.1 Creation

The videos were created by the ESRs individually. However, they agreed on a common structure and introduction to ensure a uniform design. The videos are recorded PowerPoint presentations and include music as well as subtitles.

The researchers first introduce themselves and explain the scope of the network. They further inform about their respective projects, their aims and progresses, and thereby manage to address both, people with and without previous knowledge. The length of the videos equals roughly 3 minutes.

The ESRs supported each other during the various creation stages of the videos and shared helpful tutorials and information on our data sharing platform, the Teaching Center. Moreover, they proof-viewed each other's videos and gave valuable feedback that ultimately led to the great final versions.

The videos are now available and can be accessed with the following link: <https://www.eurooc.eu/research/#projects> . They are a valuable visual addition to the descriptive part on our website.

Please find below a rough structure of the videos:

- **Introduction:** A general introduction of the ESR, the network, and project title.
- **Main Part:** Basic information (e.g. on organ-on-chip, cells, stem cells, ...) and more detailed information on the scope of the respective projects and the different stages of the research process
- **End:** Reference to website for further information and acknowledgments

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1.2 Impressions



1. PROJECT

Parallelisable microfluidic heart-on-a-chip systems with integrated sensing capability to monitor maturation and functionality of cardiac microtissues

Cardiac tissue models are of especial interest as predictive in vitro models for preclinical screening of drugs and have the potential to reduce late stage drug attrition greatly. Cardiotoxicity remains a major cause of failure in preclinical and clinical development, with high rates of post-approval withdrawal of medicines. In this project, we will develop and apply a novel Organ-on-a-chip system, which integrates hiPSC derived cardiac tissues with biomaterials with tunable mechanical properties in an existing microfluidic heart-on-a-chip system. The system will be further developed, combined with non-invasive readout technologies and then employed to study maturation and mechanical properties of cardiac tissues.

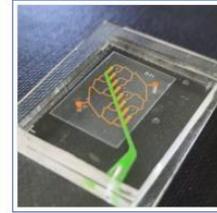


Figure 1: Page of project 1 with descriptive part and video

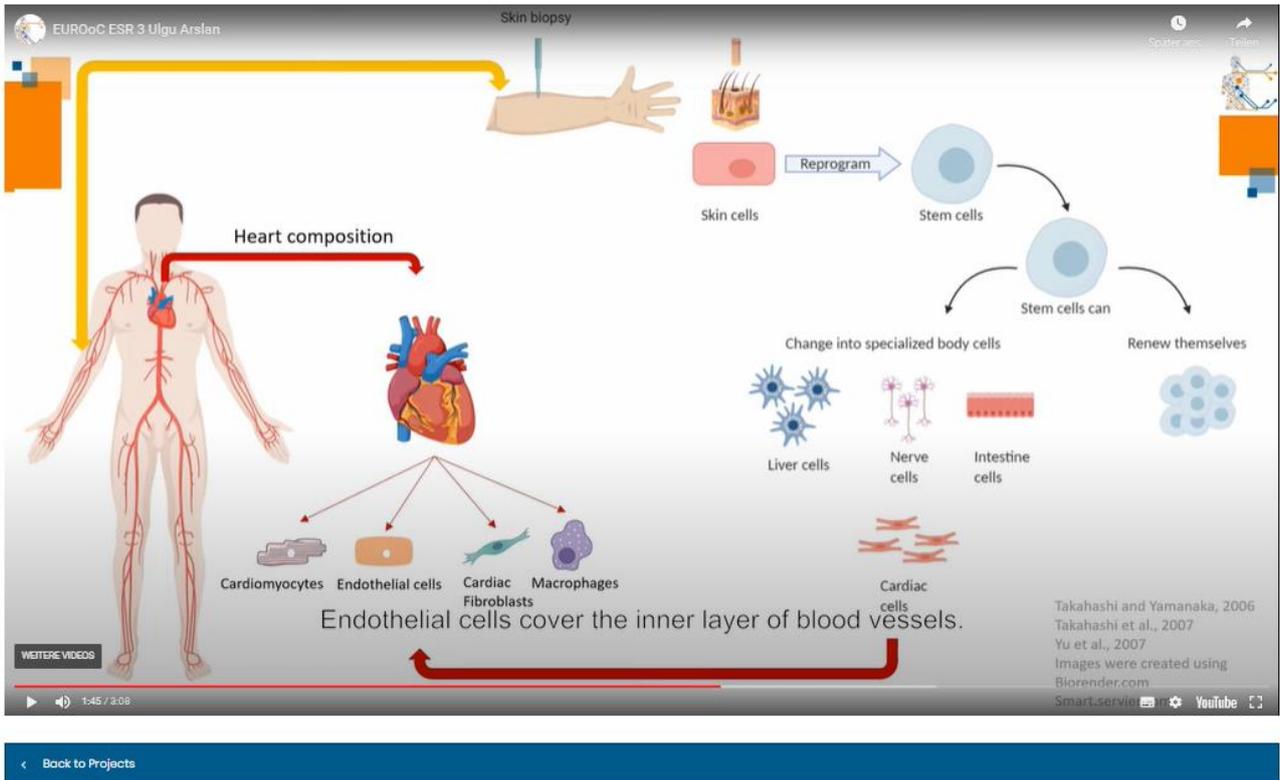


Figure 2: Explanation of project 3 with subtitles

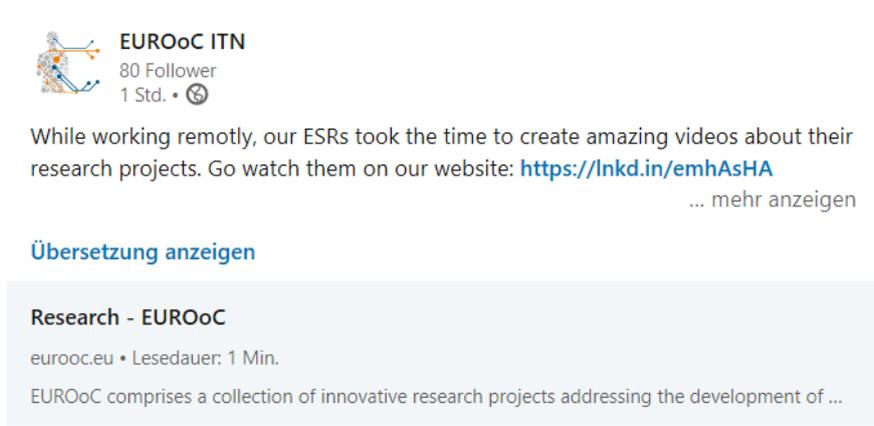


Figure 3: End of the video of project 12: Acknowledgements and further links

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2 Advertisement

The videos were advertised on the EUROoC LinkedIn account.



 **EUROoC ITN**
80 Follower
1 Std. • 

While working remotely, our ESRs took the time to create amazing videos about their research projects. Go watch them on our website: <https://lnkd.in/emhAsHA>
... mehr anzeigen

[Übersetzung anzeigen](#)

Research - EUROoC
eurooc.eu • Lesedauer: 1 Min.
EUROoC comprises a collection of innovative research projects addressing the development of ...

Figure 4: Promotion on EUROoC LinkedIn page

Acknowledgements

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