Project**: SEAWave**

Report on the status of posting in a repository

Work Package: WP7

Deliverable: D7.4

Deliverable No.: D26

Abstract

Deliverable 7.4 is related to reporting the status of posting in a repository for the work package 7 and its SEAWave-Clin clinical trial. We are still collecting data. We prepared a table with the current available results from six healthy participants.

Project Details

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Deliverable Details

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Deliverable No.	D26
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Contents

1 Introduction

We are currently performing the SEAWave-Clin clinical trial, programed by the WP7 of the SEAWave project. This clinical trial tests the effects of 5G FR2 radiations on the skin of healthy young participants, participants with dermatoporosis – e.g. elderly participants with thin, sun-exposed skin –, and participants with genetic syndromes favoring the development of skin cancers.

This deliverable aims to know the status of posting in a repository.

2 Repository

Zenodo has been chosen to host the repository.

In our clinical trial, skin biopsies are taken after 5G- or sham-exposure of the participants' inner arms, 1h and 24h after exposure. The four biopsies are processed into fixed single cells to be analyzed by single cell RNA sequencing (10x genomics technology). We received and analyzed FASTQ files for eight healthy participants (P2, P3, P5, P6, P7, P8, P9, and P14). We removed from the analysis two participant samples for which we do not have enough sequenced cells (P2 and P7). After removal of low-quality cells, we obtained a Seurat file which was annotated and converted into a metadata table.

In the repository, we added the metadata table of the sequencing results of six healthy volunteers (24 samples), 55.4 MB. This table is restricted to users with access, under the DOI 10.5281/zenodo.17395532.

3 Next Steps

As soon as we analyze the last participants of the clinical trial, we will update the table.

However, for the final results publications, we will also need to use another platform, such as GEO or EGA, two well-known platforms for sequencing data. These specialized platforms store FASTQ files and review the metadata.

4 Conclusions

We added to the Zenodo repository a table which contains sequencing results from six healthy participants.