Meetings

Covid-19 msc recurrent meeting:

- Zoom: [https://zoom.us/j/94889193537](https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fzoom.us%2Fj%2F94889193537&data=05%7C01%7Ck.thalassinos%40ucl.ac.uk%7C1a417abafda34023ca7008da812005ac%7C1faf88fea9984c5b93c9210a11d9a5c2%7C0%7C0%7C637964271815901591%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=uQiTx80jN3QbocjUn%2BiF1zoEp2CEEUy6%2BCMzjHKDkhs%3D&reserved=0)

- [Microsoft Teams](https://eur01.safelinks.protection.outlook.com/ap/t-59584e83/?url=https%3A%2F%2Fteams.microsoft.com%2Fl%2Fmeetup-join%2F19%253ameeting_ZjFjMWI3ZTYtNDgzOC00Mzc5LWIxOTUtYjljYmFlYmNjNmEz%2540thread.v2%2F0%3Fcontext%3D%257b%2522Tid%2522%253a%2522c152cb07-614e-4abb-818a-f035cfa91a77%2522%252c%2522Oid%2522%253a%25225e2e30aa-d5aa-47a0-9abe-014dc7cc030f%2522%257d&data=05%7C01%7Ck.thalassinos%40ucl.ac.uk%7C1a417abafda34023ca7008da812005ac%7C1faf88fea9984c5b93c9210a11d9a5c2%7C0%7C0%7C637964271815901591%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=C%2BLeK%2FnucpHcqiqmPZ7h46mEwRzVOw%2ByTeJnx67CFmU%3D&reserved=0):

***31/08/2022***

1. About databases, in the action plan is mentioned only PRIDE as data repository.

What about the metabolomic and lipidomic data?

It looks like there are at least three databases to access. I am right?

Proteomic - PRIDE

Metabolomic - MetaboLights

Lipodomic - Zenodo (based on the researches published in the website)

OK

Should be possible to collect all the omics data for a single subject's sample



Input

Raw Data **Proteomics**



Access online database

**PRIDE**



Input

Raw Data **Metabolomics**



Access online database

**MetaboLights**



Input

Raw Data **Lipodomics**



Access online database

**Zenodo**

Accession Code **P**

Input Metadata

Accession Code **Z**

Accession Code **M**

Input Metadata

Input Metadata

**Input Record**

**Cov19-MSC Database**



**Cov19-MSC Website**

anonim data

1. ~~How I have to consider EMBL-EBI COVID-19 Data Portal? I do not need to query also this data portal. It is more about PRIDE~~

1.2 It looks like that MetaboLights requires an API Key to work. I did not register but I am wondering if I need to do so or to use a lab account details.

***Please note that you would need an active MetaboLights account and API Key to access the API.***

<https://www.ebi.ac.uk/metabolights/guides/Files/Download>

1. There is a metadata format across all the omics projects? For instance, metadata in PRIDE share something with metadata in Metabolights?
2. For the downloading operations I think we should consider the metadata and the accession code.

I assume that we are interested in fetching raw data using one or both types of input data. I am right?

***06/09/2022***

1. We have to create our metadata?
   1. There is a metadata format across all the omics projects? For instance, metadata in PRIDE share something with metadata in Metabolights?
2. Approve the input-output schema and meta-relationship.
3. Login or not? In case GDPR?

Connect patient ID with Surrey subjects

Metadata are in phosp

Holly Lewis and Mel

Wait for data is coming

***03/10/2022***

1. It will be a website or only a page embedded into the current website?

Up to us

1. How to identify a group of subjects:
   * ID generated by the Cov19 website.

**Experimental Group**

**PRIDE**

**Cov19-MSC Database**

**Experimental Group ID**

**MetaboLights**

**Zenodo**

**Cov19-MSC Website**

**metadata**

**ID**

Go for the Minimum Vaiable Solution

**Asincronous data are not suitable for the ID generation.**

If there are three omics data type that refer to the same sample, metadata could not be considered for the creation of a unique ID.

In the worst case, three researchers could upload the omics data separately at three different moments. But the unique identifier of a subjects group must be generated only the first time, whatever the type of omic data is uploaded. This means that type of data related to the single omics experiment cannot be considered in defining the unique experimental group ID.

1. Define the search options.
   * For wich features/metadata/code must be arrange the search operation?
2. We have to create our metadata?
   * There is a metadata format across all the omics projects? For instance, metadata in PRIDE share something with metadata in Metabolights?
3. Login or not? In case GDPR?

My email

Should we discuss with Melanie the requirements and then communicate the decision to the group?  It looks like she is ready only to show and explain the data as you requested last time.  
Or should we wait until the next meeting and discuss the requirements with the entire group?  
  
Should I have to prepare a couple of slides with the general idea I showed to you last time and then modify the schema under the group's suggestions/requirements?  
Or do you think that the group already knows what should be implemented on the website and in this case, I will follow the project?

It would be better if I would join the lab during the week.

So far 10.30 at Friday

***04/10/2022***

Andy Jones

Says metadata are on Trup

DDa analysing Vs Spectronor

***17/10/2022***

The operations allowed to the user will be **QUERY** and **VISUALISE**.

The submission process will be in charge of the Cov19-MSC team.

Refer to UniProt search webpage.

***18/10/2022***

**PHOSPH Metadata**

*Sample Delivery* - from which research center the data are coming

*Sample Processing* - Refer to Proteomics Metabolomics Lipodomics or SWATH proteomics

*Data Processing* - Which software or method has been used

***21/10/2022*** Drupad - Holly - Eleanor Sinclair

Single study ID - **Redcap** online software from Surrey.

Samples could be different but must be standardise

The ID substitution:

protect the patient privacy

do not bind the single group to the Sample Delivery

Surrey ID will be dummy data

Possible searching from Drupad

*Age*

*gender*

*oxygen*

*drugs*

*survived*

Wait for the dummy metadata from Drupad/Holly

Question about subject

**Onsite data management system**

Proteomics ---> Surrey\_Project\_ID

Lipodomics ---> Manchester\_Project\_ID

Metabolomics ---> Liverpool\_Project\_ID

**In each project table**

subject\_1\_ID\_S ---> Surray\_Project\_ID

subject\_1\_ID\_M ---> Manchester\_Project\_ID

subject\_1\_ID\_L ---> Liverpool\_Project\_ID

**In the Website ?**

┌subject\_1\_ID\_S ---> Surray\_Project\_ID

subject1\_ID ---> ├subject\_1\_ID\_M ---> Manchester\_Project\_ID

└subject\_1\_ID\_L ---> Liverpool\_Project\_ID