### **I3D:bio OMERO user training slides**

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https://www.i3dbio.de

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# Research Data Management for Bioimage Data at the ADD INSTITUTE HERE

# How to connect to OMERO?

ADD AUTHOR / RESPONSIBLE PERSON FROM YOUR INSTITUE



### Two ways of connecting to the OMERO server as a user

"OMERO.insight" client

OR

"OMERO.web" client

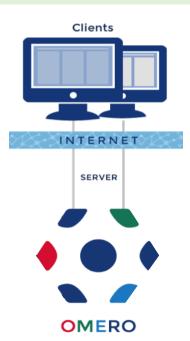


both clients offer similar functionalities



### **Desktop client**

- Installed by the user on a local computer
- Recommended for:
  - Importing data into OMERO
  - Importing metadata



### **Browser-based web-client**

- Installed by the IT department on the server, users access it with a browser
- Recommended for:
  - Visualizing data
  - Analyzing and managing data
  - Annotating data (e.g., with tags)
  - Running scripts
  - It is not used to upload data!



# Connecting with OMERO.insight 1/3

1. Install the "OMERO.insight" client:

https://www.openmicroscopy.org/omero/downloads/

2. Open "OMERO.insight" on your computer



3. Click on the wrench icon \( \simeq \) to open the server settings list





# Connecting with OMERO.insight 2/3

4. Click the 📵 symbol to add a new server to the list



Add new server

Enter server address:

MERO SERVER ADDRESS

5. Enter your OMERO-server address

At the **INSTITUTE**: **OMERO SERVER ADDRESS** 

**NOTE:** When connected via a VPN, the address is:

**OMERO SERVER ADDRESS + PORT** 

Abbrechen



# Connecting with OMERO.insight 3/3

4. Check the server address in the list and click "Apply"

5. Enter your user name and password to login





#### Note:

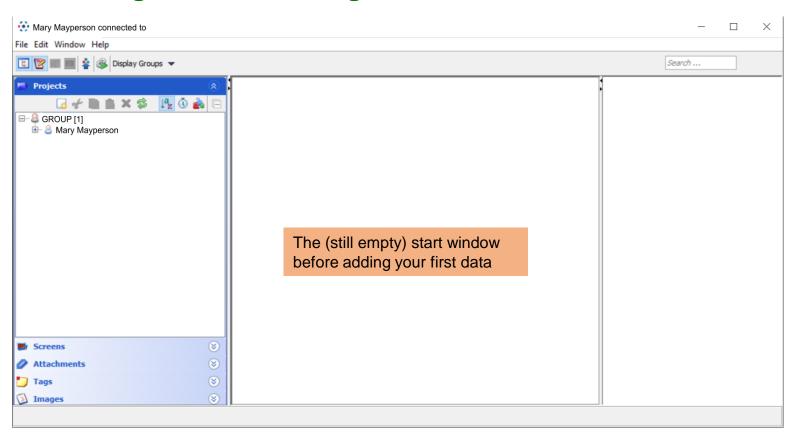
Username and password can be

- identical to your institute login
- separate for OMERO

Depending on your OMERO instance

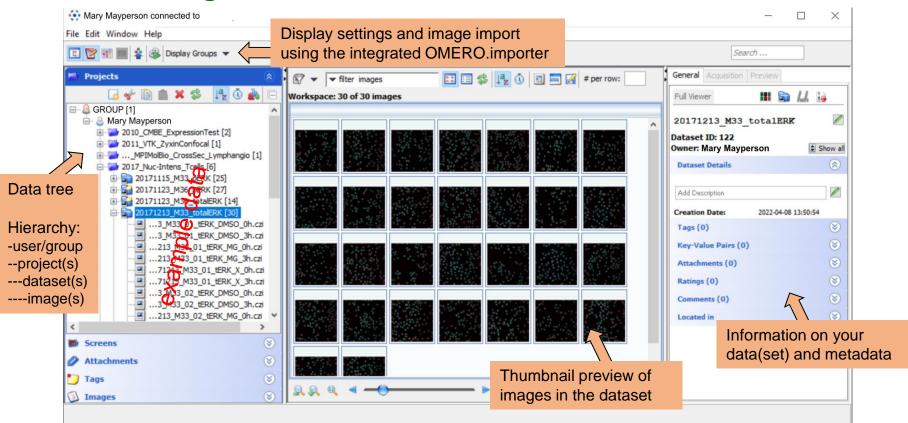


# **OMERO.insight client: first log-in**



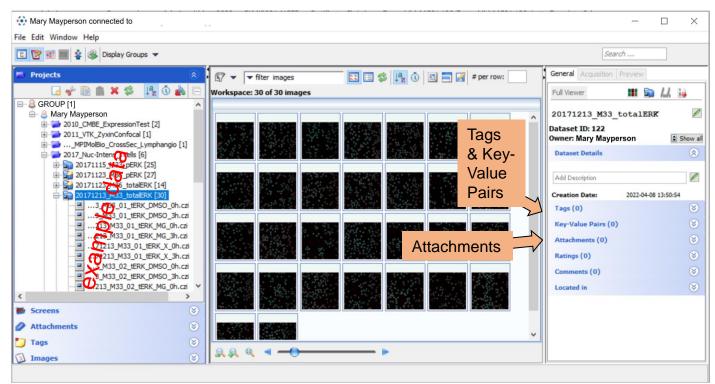


### **OMERO.insight client: overview**





### **OMERO.insight client: overview**



- Use OMERO.importer
- Run scripts



- Annotate with Tags &
  Key-Value Pairs
  - during import
  - after import
- Organize projects, datasets and images
- Download and export
- Attachments
- Visualization



### Connecting with OMERO.web

1. Open an internet browser and enter the address of your OMERO server

At the **INSTITUTE**: **OMERO WEB SERVER ADDRESS** 

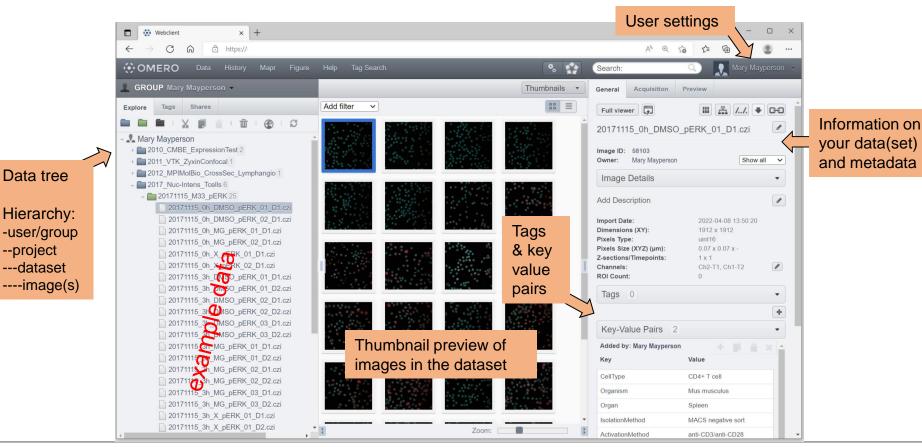
Enter your username and password (usually the student/employee credentials)

Be sure to connect

- from the institute's network
- via a VPN connection

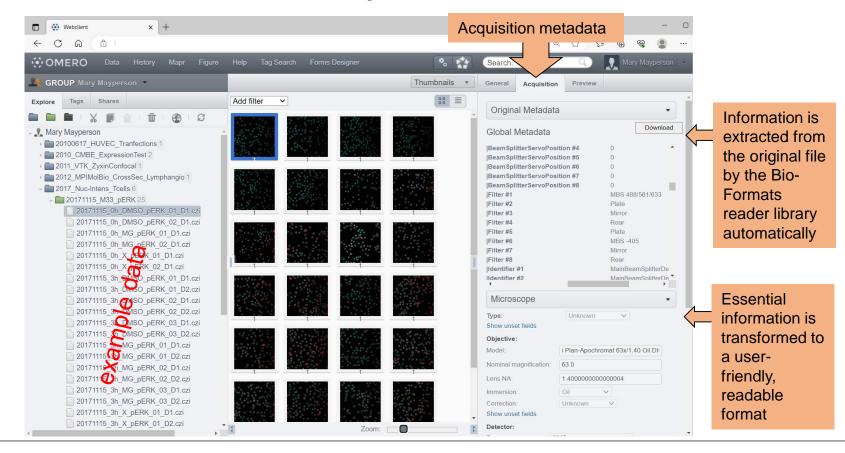


### OMERO web overview



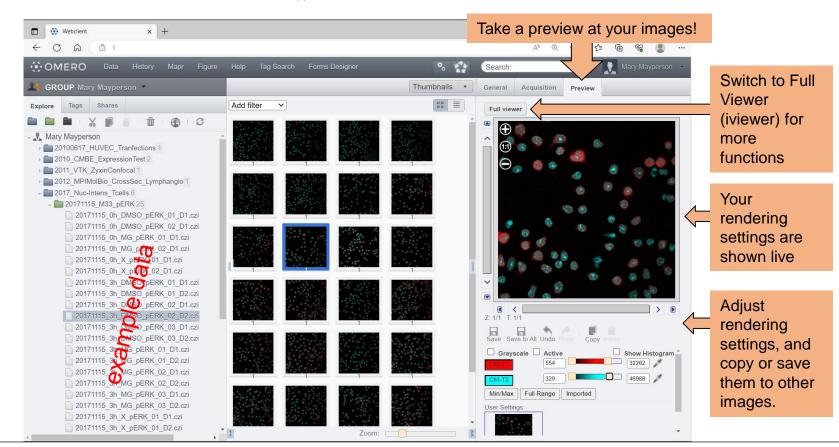


### OMERO.web overview – The "Acquisition" tab





### **OMERO.web overview – the "Preview" tab**



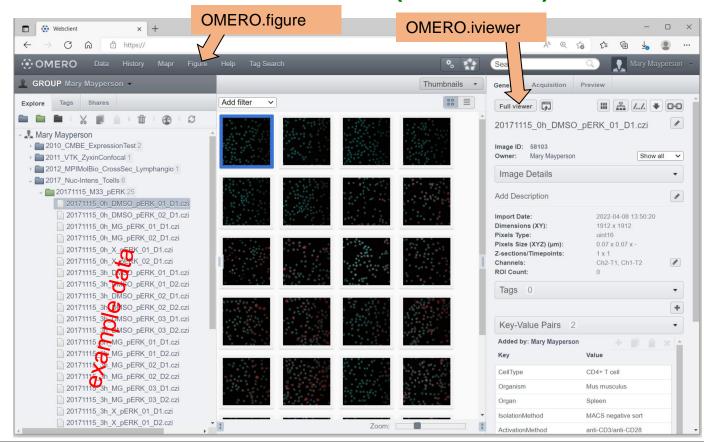


### **OMERO.web** – customization with extensions (admin side)

OMERO.web can look different between instances, depending on what your admin has installed.

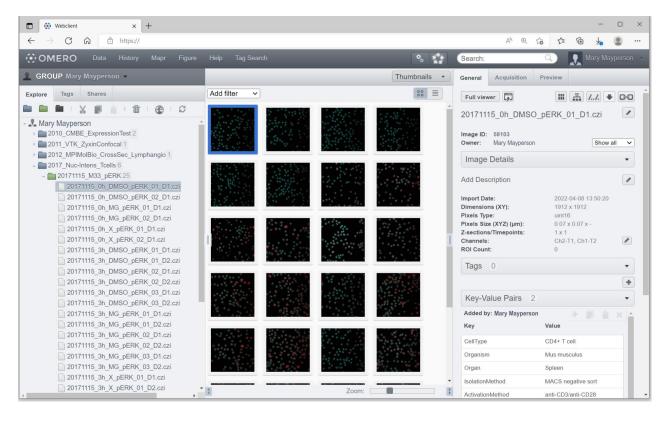
Examples are OMERO.figure and OMERO.iviewer

Follow the link below to learn more about extensions (See also Chapter 9)





### **OMERO.web client: functions overview**



- Manage data, i.e.:
   Organize projects, datasets,

  and images
- Annotate metadata with tags and Key-Value Pairs
- Download and export
- Run scripts
- Add attachments
- Visualize Data
- Share for collaboration
- Use OMERO.web extensions (e.g., OMERO.figure)

