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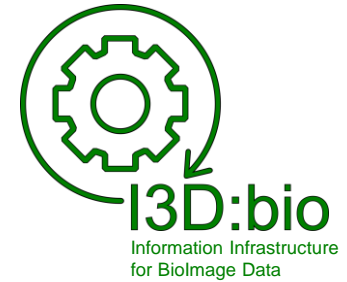
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- This work is funded by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) – 462231789 (Information Infrastructure for BioImage Data, I3D:bio)

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<https://www.i3dbio.de>

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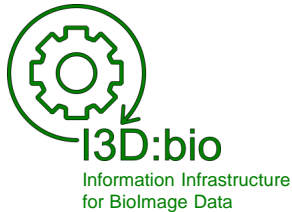
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Funded by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation), project I3D:bio, grant number 462231789

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

What are user groups and permission levels in OMERO?

ADD AUTHOR / RESPONSIBLE PERSON FROM YOUR INSTITUTE



Adapted from: Schmidt C., Bortolomeazzi M., Boissonnet T., Fortmann-Grote C. *et al.* (2023). I3D:bio's OMERO training material: Re-usable, adjustable, multi-purpose slides for local user training. Zenodo. DOI: 10.5281/zenodo.8323588
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**ADD LOGO
BIG**

User groups in OMERO and where to find them

Find the groups and group members in OMERO.web



Prof Julie



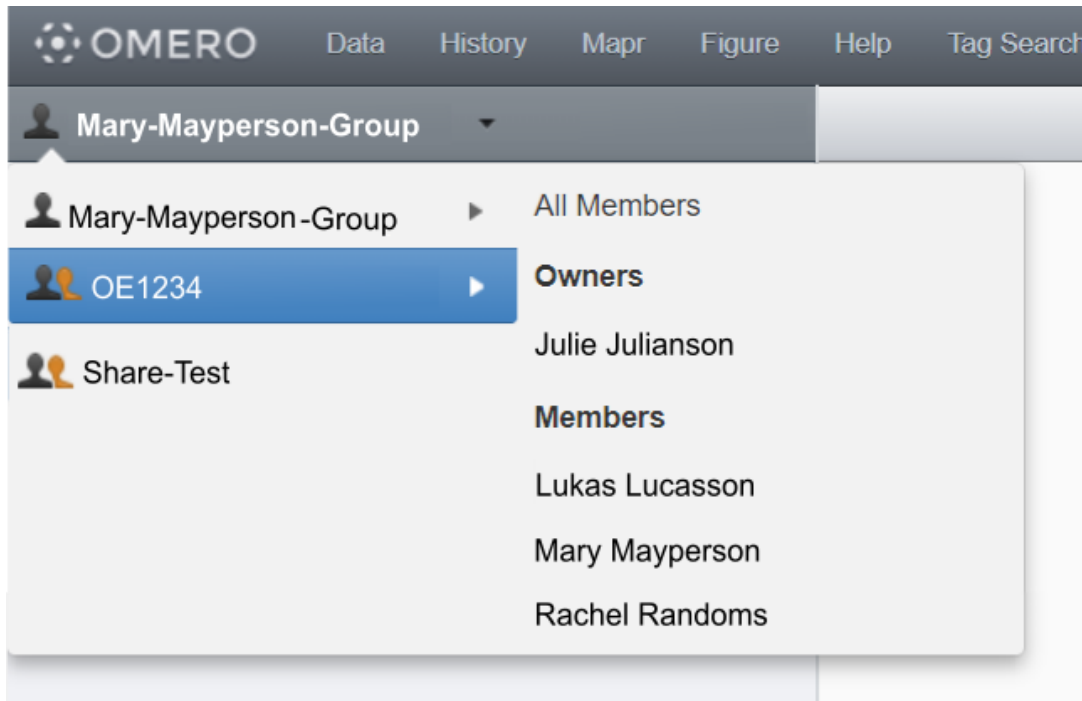
Rachel



Mary



Lukas



Which types of user groups exist in OMERO?



Prof Julie



Rachel



Mary



Lukas

- Uploaded data belongs to a specific user in a specific group
- In user groups, the users have different roles:
 - Group owner (one or more)
 - Group members
- The OMERO administrator has access to all groups
- Group owners can change group permission levels

Group permission levels

Private

Read-only

Read-Annotate

Read-Write

Group permission levels overview:



Private

Members can only see their own data. The owner can see all data. Good for data storage, but limits any collaboration.



Read-only

Members can see everyone's data, but not annotate, edit, or delete other's data. Owner has more rights.



Read-Annotate

Members can view and annotate other's data, but not edit or delete it. Owner has extended rights.



Read-Write

Can only be granted by an admin!

Members can view, annotate, edit or delete other's data. Used as if all members co-own all data. Strong collaboration with high level of trust.

Data sharing in groups & permissions

Which permissions exist?

Group type: **private**



OMERO
data / uploaded by



Prof Julie
(owner)



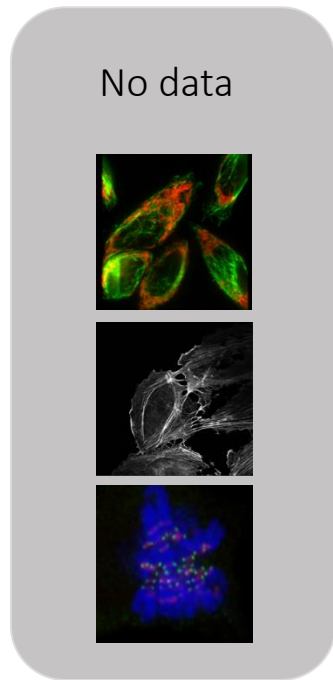
Rachel



Mary



Lukas



View

Annotate

Edit or
delete

View				
Annotate				
Edit or delete				

Data sharing in groups & permissions

Which permissions exist?

Group type: **Read-only**



OMERO
data / uploaded by



Prof Julie
(owner)



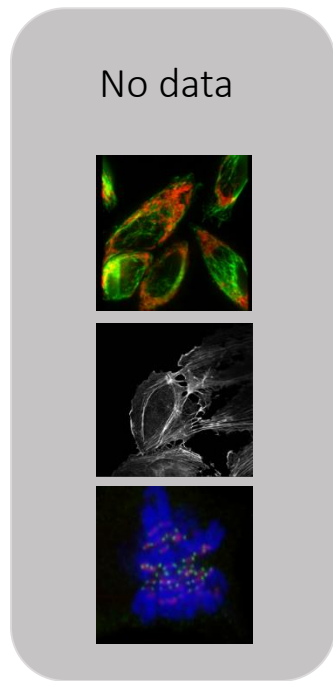
Rachel



Mary



Lukas



No data

View

Annotate

Edit or
delete

View				
Annotate				
Edit or delete				

Data sharing in groups & permissions

Which permissions exist?

Group type: **Read-Annotate**



OMERO

data / uploaded by



Prof Julie
(owner)



Rachel

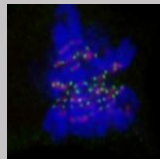
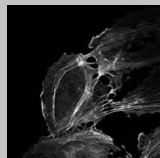
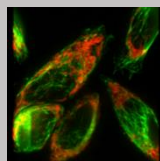


Mary



Lukas

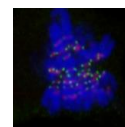
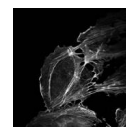
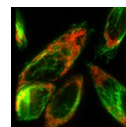
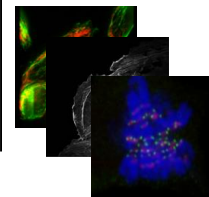
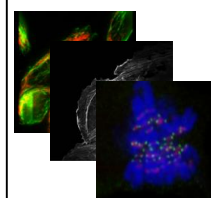
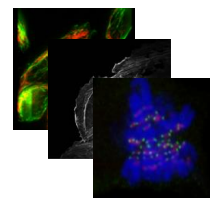
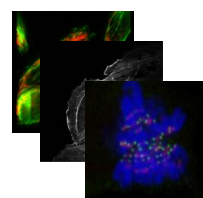
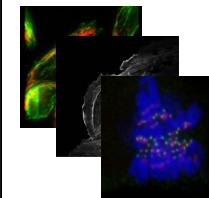
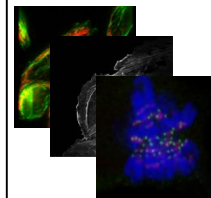
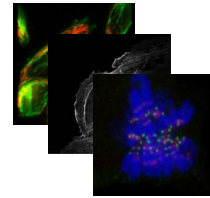
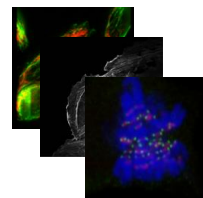
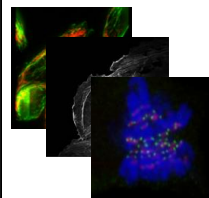
No data



View

Annotate

Edit or
delete



Data sharing in groups & permissions

Which permissions exist?

Group type: **Read-Write**



OMERO

data / uploaded by



Prof Julie
(owner)



Rachel

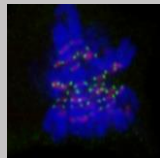
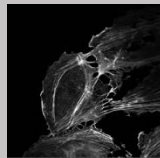
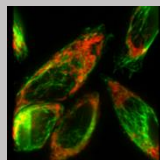


Mary



Lukas

No data



View

Annotate

Edit or
delete

View				
Annotate				
Edit or delete				

Group rights and their effect on data handling

Very important / Warning !!!

1) It is possible to move Projects or Datasets to another group.

Beware that if the target group has a more restrictive permission level than the source group, **all user-based annotations may be lost without warning!** Review the OMERO guides and test the procedure with unimportant test folders before moving annotated datasets!

2) Downgrading the permission level of a group to more restrictive leads to **loss of all user-based annotations** except those of the data owner.

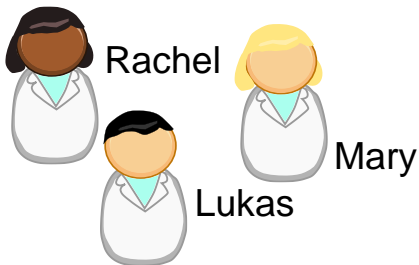
OMERO – Default user groups at the **ADD INSTITUTE HERE**

owner



Prof
Julie



members



Rachel

Lukas

Mary

 OE1234	Owners
 Share-Test	Julie Julianson
	Members
	Lukas Lucasson
	Mary Mayperson
	Rachel Randoms

Default group 1:

- According to „Organisationseinheiten“
 - PI (with group owner rights)
 - All OMERO users of the same organisational unit are members
 - Group name: Equals the **Organisationseinheit (OE####)**
 - Group type: **Private** (can be changed by owner)

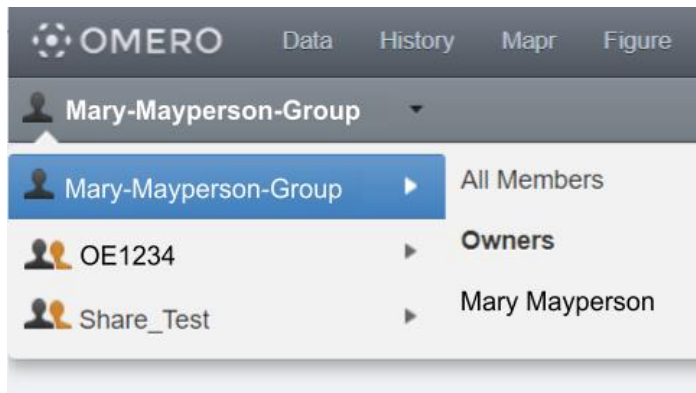
OMERO – Default user groups at the **ADD INSTITUTE HERE**

owner



members

as invited by
the owner



Default group 2:

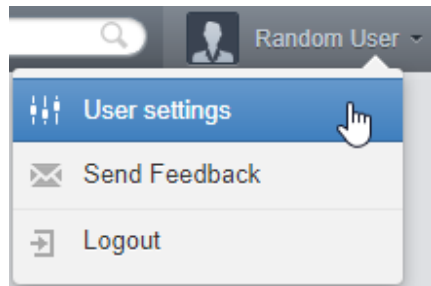
- Personal group of each researcher
 - Researcher (with group owner rights)
 - Owner can invite other members
 - Group name:
„Firstname-Lastname-Group“
 - Group type: **Private**
(can be changed by owner)

OMERO – Group administration

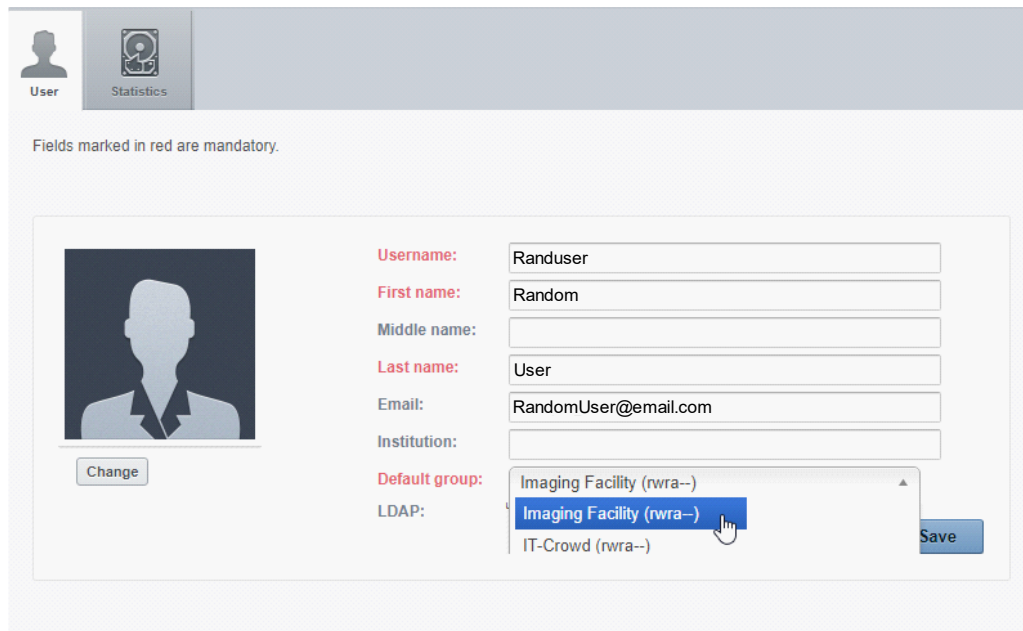
**If specific other groups are required,
please contact the OMER0 administrator**

Change group settings in OMERO (here: as *member* in different groups)

1) Upper right corner (OMERO.web)



2) See user settings and choose default group



Fields marked in red are mandatory.

Username: Randuser

First name: Random

Middle name:

Last name: User

Email: RandomUser@email.com

Institution:

Default group: Imaging Facility (rwra--)

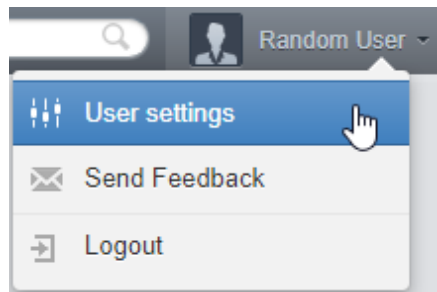
LDAP: Imaging Facility (rwra--)

IT-Crowd (rwra--)

Save

Change group settings in OMERO (here: as *group owner*)

1) Upper right corner (OMERO.web)



2) See group settings and edit as needed



Name	Permissions	Description	
Random-User-Group	Private (rw----	-	Edit
OE1234	Read-Only (rwr---	-	Edit
Share_Test	Read-Annotate (rwra--	Just a test, remove me ...	Edit

OMERO – Default group for new users - TEST PHASE

- New users are allocated to a *temporary group* by default
- The OMERO administrator will move you to your PI's group
- **NOTE:** *Do not upload data to OMERO before you are sure to be in the correct group!*
- Change your user settings to set your default group

Contact

Please review the additional information material available on the website:

ADD YOUR WEBSITE HERE

Contact:

- PERSON@YOURINSTITUTE.de (OMERO administrator)
- PERSON@YOURINSTITUTE.de (Light Microscopy Core Facility)