



















### Presentations available @

https://downloads.openmicroscopy.org/ presentations/2024/Dundee



# **OME Team trainings**



Community Partners

## July 2023: GBI ABiS course, Okazaki & Kobe

- Organizers: Shuichi Onami, Naoto Ueno, Gleb Grebnev
- Participants from Cameroon, India, Sri Lanka, Mexico
- Asia & South America data management interest



We are in the process of installing a 200TB storage server for the microscopy facility. We would like to host an OMERO server for better data management. What will the workstation conflouration (OMERO server) which can be worth for the next 5 vears?



#### Participant:

Adan Guerrero

National Laboratory for Advanced Microscopy (Mexico)

Using IDR and Zarr data for imaging projects <a href="https://chanzuckerberg.com/imaging/connecting-the-mexican-bioimaging-community/">https://chanzuckerberg.com/imaging/connecting-the-mexican-bioimaging-community/</a>



### **Training workflows - basic**

- Basic: Data management, visualization&analysis by scientists using imaging
- Public data only, main source: IDR





### Training workflows - advanced

- Python, R APIs
- Jupyter Notebooks and IDR data
- OME-NGFF
- coding







# **OMERO** at your institution



# Canada Biolmaging, Montreal

# **University of Arizona**

July/August 2023







#### https://www.canadabioimaging.org/

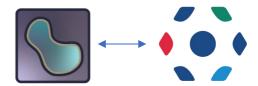
- Organizers: Claire Brown, Douglas Cromey
- Supporting national OMERO Image Data Resource (Canada) and groups at McGill University, Montreal
- Joint North American tour with University of Arizona



### November 2023: CRG Barcelona

- Organizers: Nadia Halidi
- Open workshop for participants from all over the world





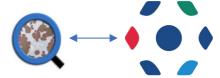


### June 2024: Smithsonian Institute, Panama

- Organizer: Carlos Jaramillo
- Large images
- Palynological slides (plant pollens, spores, microorganisms), both living and fossil
- Emphasis on QuPath



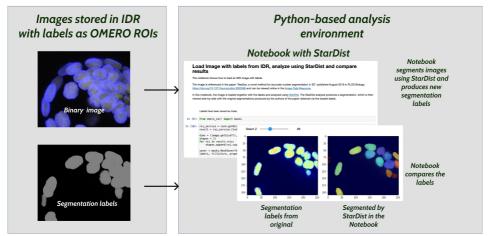




# April 2024: EMBL-EBI imaging course

Image analysis and public repositories course
Organizers: Team from EMBL-EBI (Craig Russel, Matthew
Hartley, Patricia Carvajal) and external tutors

### **EMBL-EBI** course

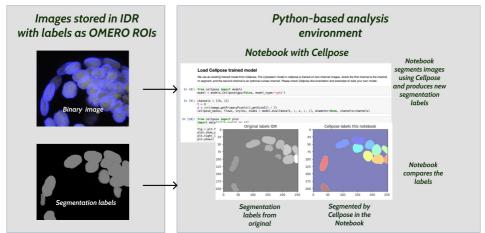


https://doi.org/10.48546/WORKFLOWHUB.WORKFLOW.493.1

**OME 2024** 



### **EMBL-EBI** course



https://doi.org/10.48546/WORKFLOWHUB.WORKFLOW.489.1

# OMERO as part of teaching platform



### Student course assessment













# February 2024: Student course assessment Karolinska Institutet, Stockholm

Organizer: Sylvie Le Guyader
 LCI microscopy course

From sample preparation to image analysis 2024/01/29-2024/02/16

https://ki.se/en/bionut/lci-microscopy-course

February 2024 OMERO and OMERO.figure workshop

The OME Team gave a public workshop on OMERO and OMERO.figure as part of a three-week course organized by LCI at Karolinska Institutet.

https://www.openmicroscopy.org/events/workshops-lci-karolinska-february-2024.html



### Images in OMERO as a Teaching tool

### "Portal" - ease of access







### OMERO.iviewer



### Highlight features: ROIs





### Images in OMERO as a Teaching tool

- Harvard Medical School (Glencoe Software)
- University of Dundee (Dentistry, Pathology, Anatomy...)
- See talk about usage @ Universitas Gadjah-Mada Indonesia later today



• OMERO.guides – including community workflow contributions



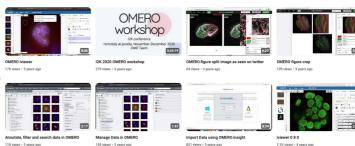






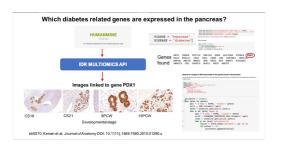
YouTube Channel

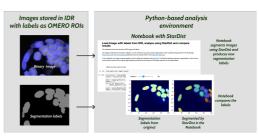






Jupyter notebooks, scripts, environment.yml files

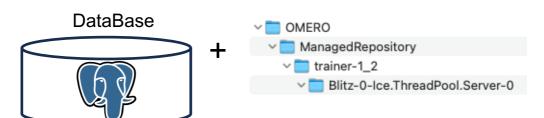




https://github.com/ome/omero-guide-python

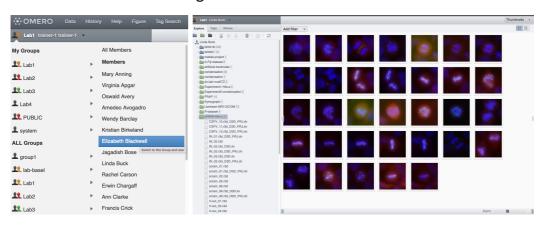
https://github.com/ome/EMBL-EBI-imaging-course-04-2024

New: Download of Database of the training server with Image data (already used in TiM 2023, Arizona)





OMERO training server - available as collaboration



### OME outreach feedback is valuable

- General suggestions about the feature design
- Testing: <a href="https://github.com/GReD-Clermont/simple-omero-client/pull/65">https://github.com/GReD-Clermont/simple-omero-client/pull/65</a> ....
- Evaluation of the tooling
- Software workflow improvements: <a href="https://github.com/ome/omero-iviewer/pull/465">https://github.com/ome/omero-iviewer/pull/465</a> ....

OME 2024



# Cross-reference strategy for tooling and guides ?

















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Josh Moore



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Petr Walczysko



Will Moore



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Khaled Mohamed













# Thank you













biotechnology and biological sciences research council