Repositories for microscopy

This guide offers an overview of data repositories and highlights a selection of microscopy repositories in alignment with FAIR principles.

Written By: José Maria Mateos Melero





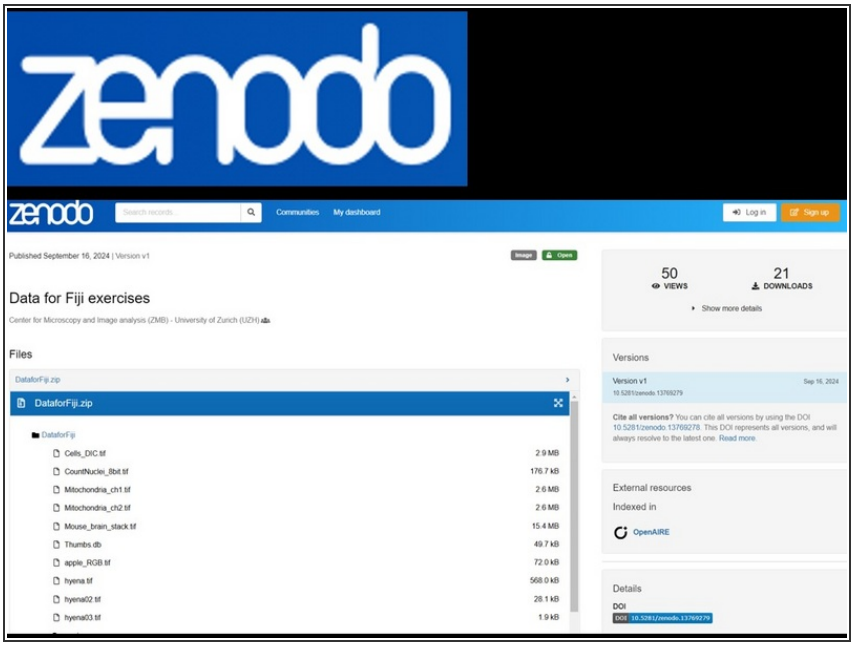






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Step 1 — Zenodo



- https://zenodo.org/
- Safe — your research is stored safely for the future in CERN's Data Centre for as long as CERN exists.
- Trusted — built and operated by CERN and OpenAIRE to ensure that everyone can join in Open Science.
- Citeable — every upload is assigned a Digital Object Identifier (DOI), to make them citable and trackable.
- No waiting time — Uploads are made available online as soon as you hit publish, and your DOI is registered within seconds.
- Open or closed — Share e.g. anonymized clinical trial data with only medical professionals via our restricted access mode.
- Versioning — Easily update your dataset with our versioning feature.
- GitHub integration — Easily preserve your GitHub repository in Zenodo.

Step 2 — BioImage Archive



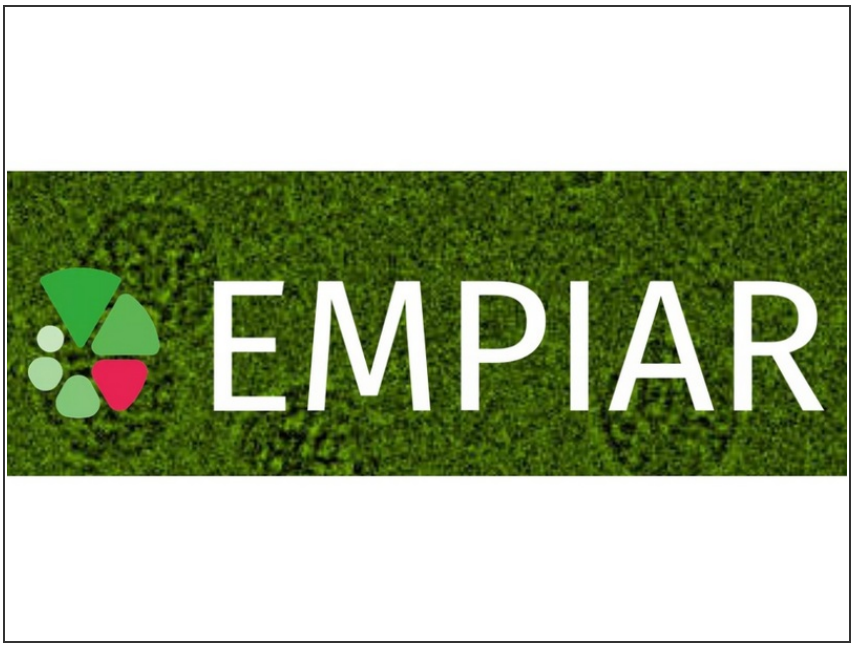
- https://www.ebi.ac.uk/bioimage-archive/
- The BioImage Archive is a free, publicly available online resource which stores and distributes biological images.
- It accepts submissions of data from any imaging modality, as long as the data are either associated with a peer-reviewed publication, or of value beyond a single experiment.

Step 3 — IDR Image Data Resource



- https://idr.openmicroscopy.org/
- The Image Data Resource (IDR) is a public repository of image datasets from published scientific studies, where the community can submit, search and access high-quality bio-image data.

Step 4 — EMPIAR the Electron Microscopy Public Image Archive



- https://www.ebi.ac.uk/empiar/spw
- EMPIAR is a public resource for raw images underpinning 3D cryo-EM maps and tomograms.
- EMPIAR also accommodates 3D datasets obtained with volume EM techniques and soft and hard X-ray tomography.
- All data archived in EMPIAR can be re-used freely without any conditions or restrictions ("CC0" license model).

Step 5 — Re3Data



- https://www.re3data.org/
- With re3data.org will help you to search for additional repositories in your specific field.