Storage of Experimental Data at QBI
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`home.qbi.uq.edu.au\group_microscopy` will cease operation in 2020

ALL LAB GROUPS will need to use the UQ Research Data Manager (RDM) for storage of experimental data.

The RDM will allow users to request storage, which can be mounted on the new QBI HIGH PERFORMANCE network:

`data.qbi.uq.edu.au`

*Please note this is for storage of experimental and analysis data only. For admin data and productivity, please use OneDrive.*

For any further help setting up a OneDrive Team please contact QBI IT Staff.

*A note on `home.qbi.uq.edu.au` group shares:

We ask users to immediately begin using the RDM for their microscopy data storage so that space can be freed on the QBI group share network (e.g. `group_microscopy`). This is to allow labs to begin the **SLOW** process of copying data from long-term tape storage over to new **project-based** storage locations on the `data.qbi.uq.edu.au` network. This process will be slow, and will need to be arranged by Lab Group so as to not disable the network completely. More on this later.
Storage of Experimental Data at QBI

The concept of the “group share” is retired and is not coming back.

The concept of “project” based shares is the new normal. This is UQ’s approach and rules. You do your work and capture your data on a per project basis.

For each ‘Project’, e.g. data relating to a particular Grant, the lab manager or member responsible for data storage will need to follow the following simple steps:

1) Navigate to https://rdm.uq.edu.au/ and sign in using UQ Staff credentials

![UQ RDM Sign In](https://rdm.uq.edu.au/)

UQ Staff and Students

Sign in

Or sign in with

- Australian Access Federation
- eduGAIN
- Tuukki Federation (NZ)
- Linkedin
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2) ‘Create new record’ and fill in the relevant details
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3) Tick “This project data needs to be mounted on UQ HPC facilities”
   (this option will not be available if you are storing identifiable human data)
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4) Add collaborators (e.g. lab members contributing data to this project) using the blue ‘+’ button

Where possible, it is recommended that when creating a new RDM storage allocation or adding collaborators to an existing allocation, researchers use their UQ Staff credentials for access. This is so that the data can be accessed on the High Performance Computing (HPC) resources linked to data.qbi.uq.edu.au, such as Wiener and Visnode1, which require a staff account to access.
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5) By default your storage will be allocated to the R: drive location and you will receive an email with instructions on how to access this:

But this is not yet on data.qbi.uq.edu.au…
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5) Email QBI IT Helpdesk (helpdesk@qbi.uq.edu.au) with your RDM collection ID (e.g. QBIMICADM9-Q1316) and request it be added to data.qbi.uq.edu.au

When you receive confirmation you can mount this on any PC as normal.

E.g.: Map network drive:

Choose a drive and choose your RDM storage ID as the folder within the data.qbi.uq.edu.au network:

What network folder would you like to map?

Specify the drive letter for the connection and the folder that you want to connect to:

Drive: P:
Folder: \data.qbi.uq.edu.au\qbimicadm9-q1316

Example: \server\share
Reconnect at sign-in
Connect using different credentials

Connect to a website that you can use to store your documents and pictures.
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Please note:

*For the immediate future, this places the responsibility on the USER to mount and unmount their own storage collections on microscope computers each imaging session (changes to this will be coming in the longer term).

Only collaborators will have access to the contents of you RDM allocation, unless you leave your storage folder mounted on a Microscope Computer, in which case your data are available to anyone so please disconnect your network drives. 
(This goes for email and social media accounts that you leave logged in too!)

You will need to allow time to finish copying your data to your RDM folder before you finish your imaging session.

To aid in this, all the high-performance microscope PCs are being upgraded to 10G network cards to take advantage of the newly installed 100Gb/s network access across QBI floors 4, 5 and 6 and Ritchie Building.
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A final note from QBI IT:

In general, good practice suggests:

When you’re done with data you bundle it up. You zip it up. You compress it. Leaving millions of files scattered across a file system is bad for your access efficiency and bad for the file system.

When you’ve finished and you’re in a state where you can “archive”, everything is so much better for all concerned if you bundle things up.

*If you know your project needs thousands or millions of files for a specific reason, please reach out to us and tell us. There are important things we can do to help you, the technology and the platform best cater to it. If you don’t reach out, you might hit brick walls.
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A final note from QBI IT:

This spells the end of home.qbi.uq.edu.au

All new data should be going into your new project based storage at data.qbi.uq.edu.au.

We’re not going to shut down home.qbi.uq.edu.au overnight on you. We know years of legacy exist that is going to take each lab weeks, if not months to extricate out of. Do not panic. We’ve built tools to help you get old data from home.qbi.uq.edu.au to data.qbi.uq.edu.au and we will be managing this approach on a lab by lab basis. We know you probably perceive this as a disruption to your life and lab – but we can’t stay still, or you’ll all end up in trouble.

This isn’t just about copying all the stuff that was in your old lab “group share” into the new data.qbi.uq.edu.au. Keep the things you need to keep for scientific reproducibility, history, preservation and academic integrity, but that’s different from “copying my whole lab share to the new place”. You need to consider what is important, what is junk, what is irrelevant and how you’re going to structure this and you need to carefully consider your project-based approach.
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1) Navigate to https://rdm.uq.edu.au/ and sign in using UQ Staff credentials

2) ‘Create new record’ and fill in the relevant details

3) Tick “This project data needs to be mounted on UQ HPC facilities” (this option will not be available if you are storing identifiable human data)

4) Add collaborators (e.g. lab members contributing data to this project) using the blue ‘+’ button

5) Email QBI IT Helpdesk (helpdesk@qbi.uq.edu.au) with your RDM collection ID (e.g. Q0001) and request it be added to data.qbi.uq.edu.au

You will then receive instructions on how to mount this on your local computer or microscope computers.

*For the immediate future, this places the responsibility on the USER to mount and unmount their own storage collections on microscope computers each imaging session

*Please note this storage is for experimental data only. For admin data and productivity, please use OneDrive.

For any further help please contact QBI IT or QBI Microscopy Facility staff.