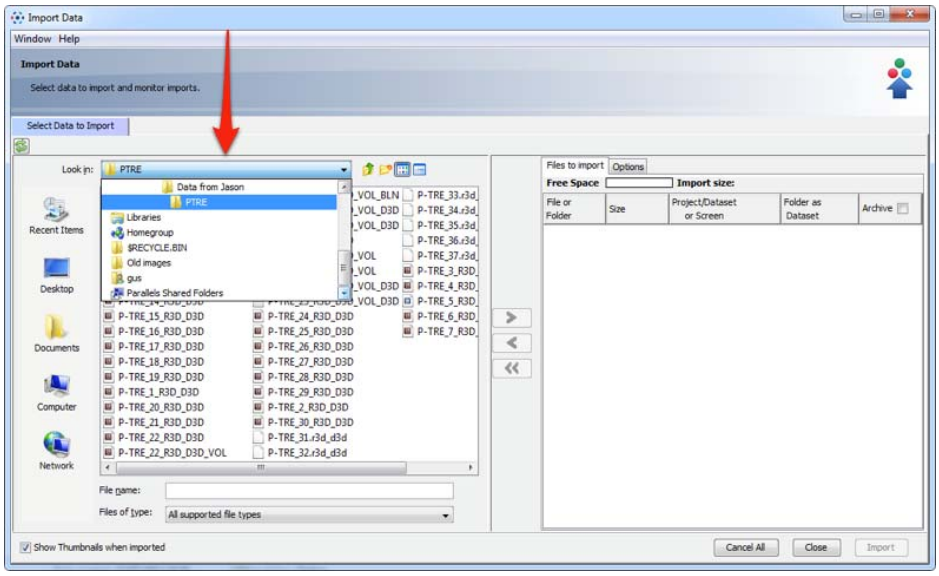
Getting Started with OMERO Insight Client

OMERO stores image data on a central server. You can use the Insight client to upload, view and download data from any personal computer.

Adding Image Data

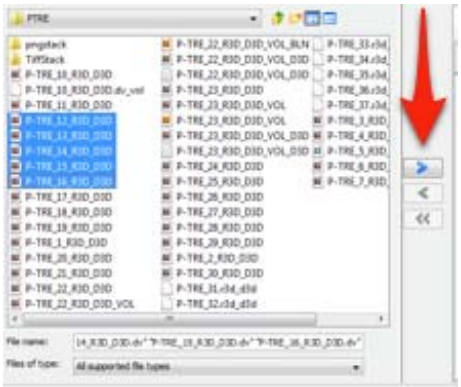
1 Click on the **Importer** icon 

2 Add image data using file chooser



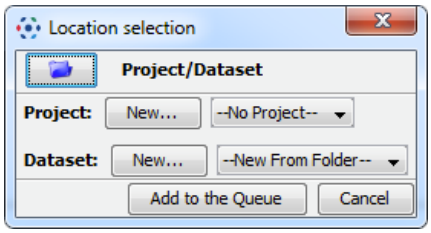
3 Select image data to be imported

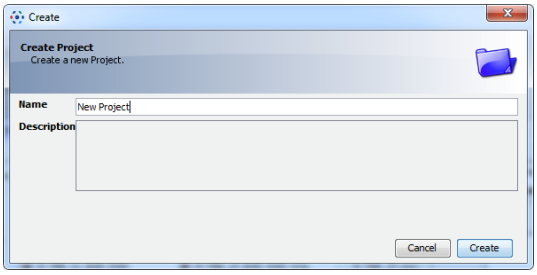
Click on right arrow icon 

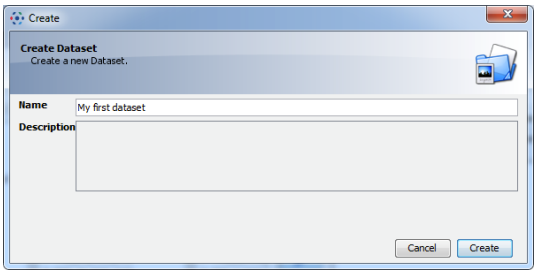


4 Specify location for saving imported data

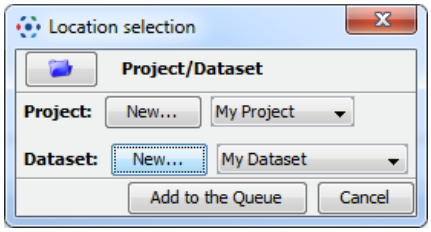
- A new project and/or dataset can be created
- An existing project and/or dataset can be selected
- A new dataset can be automatically created from the source folder





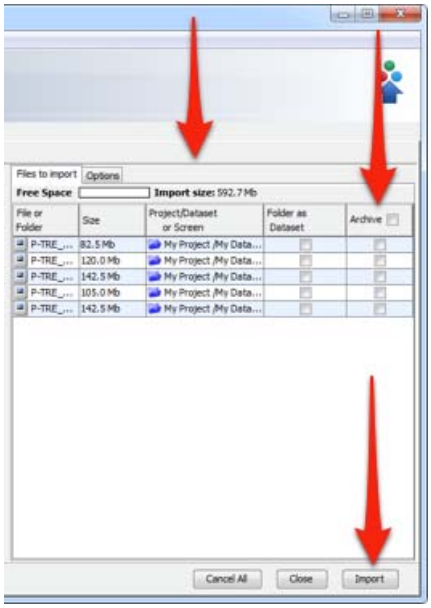


5 Click **Add to the Queue**

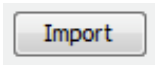


6 Data to be imported appears in queue pane

A copy of the original data can be archived in its original format by checking the box in the right most column



7



Click on **Import**

A copy of the original data can be

8 Import progress will be shown in the *Import # 1* tab

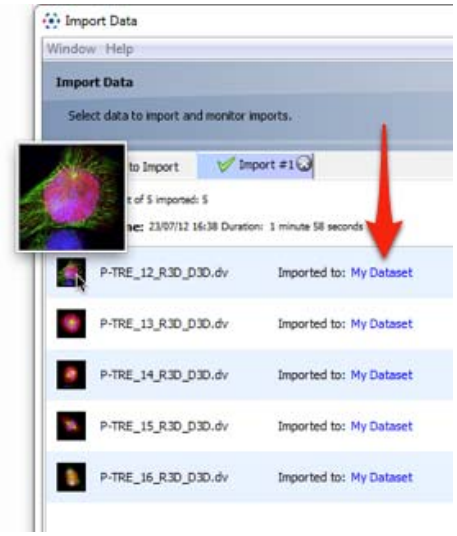
Further data for import can be queued and imported using the *Select Data for Import* tab

Multiple queues can be run simultaneously

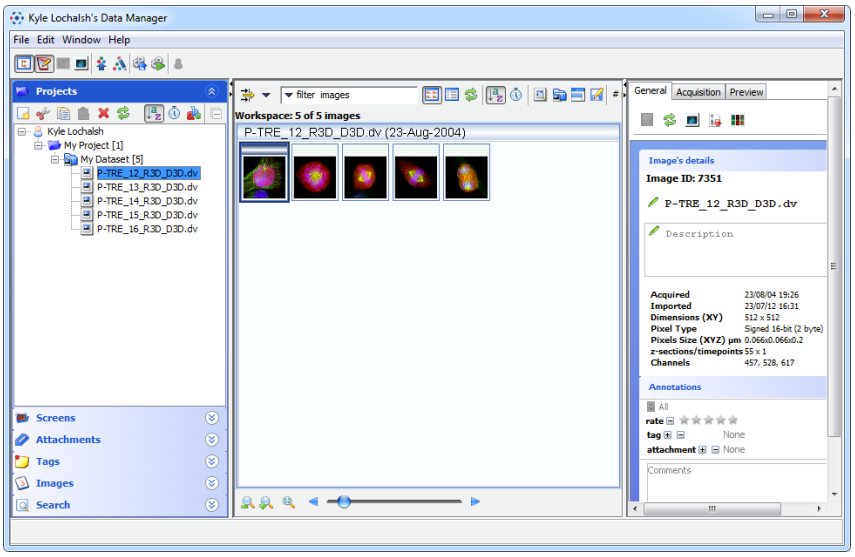
9 Hovering over a thumbnail of the imported image shows a larger preview

Double clicking on the thumbnail opens it in the image viewer window

Clicking on the hyperlink takes you to the data manager window and dataset into which the data was imported



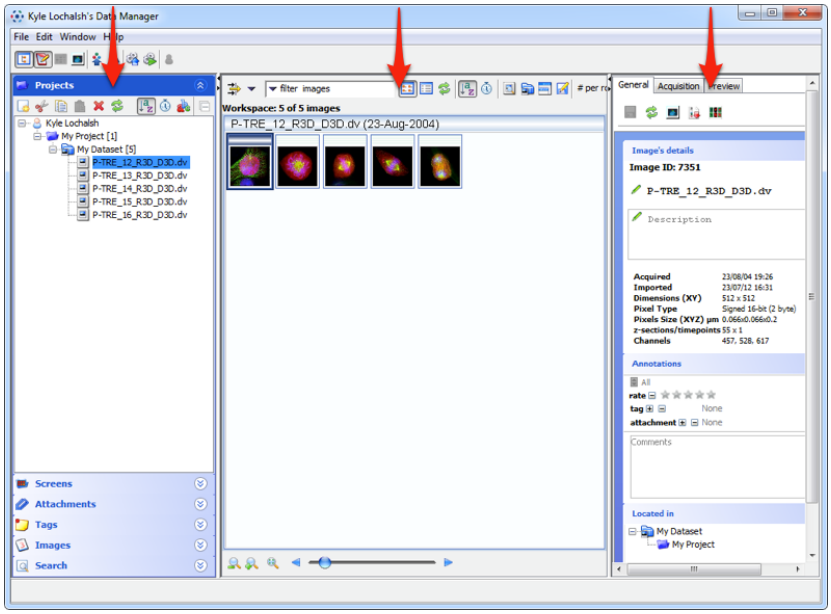
10 The imported data can be seen in the data manager



Viewing Image Data

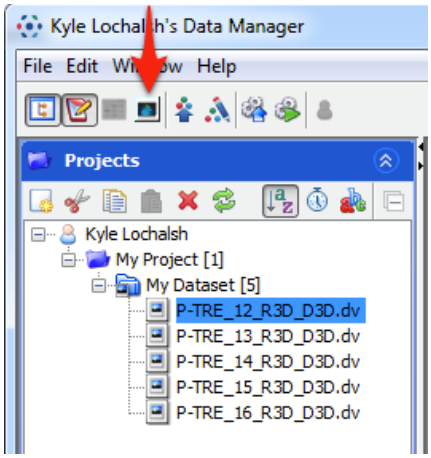
1 The data manager window is divided into 3 panes

- The left hand pane shows the data tree and tabs for screens, attachments, tags and search
- The centre pane shows thumbnails and enables filtering of searches
- The right hand pane shows he metadata for the data and a preview

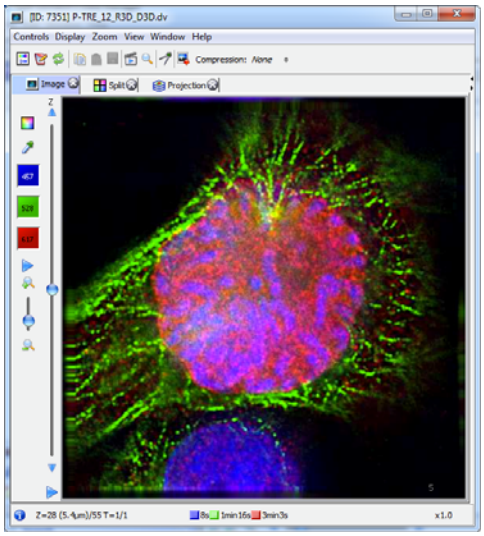


2 Double click the image name or thumbnail to open an image in the full viewer

Or click on the image viewer icon 



3 The image viewer enables you to change rendering settings, move through z- and t-stacks and perform measurements and analysis using Regions of Interest (ROIs)



4 Hide / show rendering settings pane

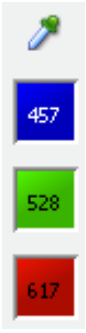
The *Advanced* tab in the rendering settings pane shows further controls

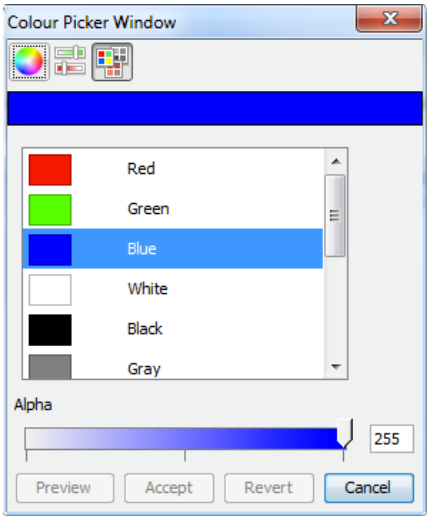
Renderings can be toggled between colour and monochrome

Clicking the colour picker opens the colour picker window

This is used to change the colour rendering for a channel

Clicking the colour wells toggles the channel on or off



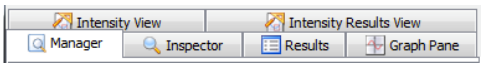


5 Display metadata

6 The measurement tool palette is accessed by clicking the icon

The toolbar allows creation of Regions of Interest (ROIs) or addition of text

The tabs in the ROI palette show results of analyses from any ROI



7 Z-stacks can be navigated using the slider on the left of the image

The up and down arrows at the top and bottom step through the stack, while the play arrow at the bottom moves through the stack automatically

When image data includes a time sequence, similar controls along the bottom allow navigation through the t-stack