Getting Started with OMERO.insight Version 5

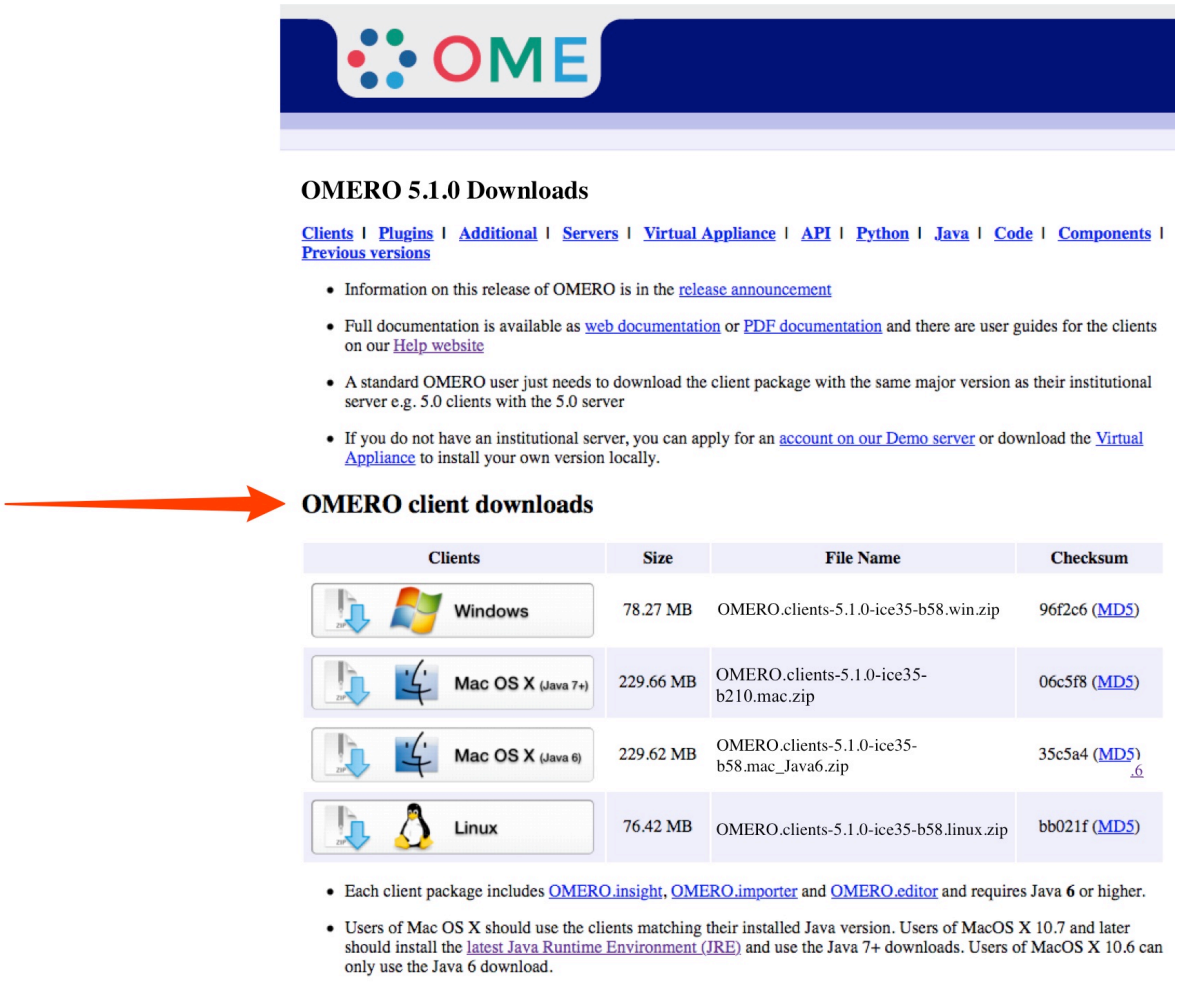
OMERO stores image data on a central server. You can use the OMERO.insight client to upload, view and download data from any personal computer.

Your institution's OMERO server administrator will provide you with the server address to use when connecting from OMERO.insight. They may have set up a user name and password for you too. Alternatively your username and password may be your standard login for the institution's networked computers.

Installing

1 Download the OMERO.insight client

http://downloads.openmicroscopy.org/latest/omero5



OMERO 5.1.0 Downloads

Clients | Plugins | Additional | Servers | Virtual Appliance | API | Python | Java | Code | Components | Previous versions

- Information on this release of OMERO is in the release announcement
- Full documentation is available as web documentation or PDF documentation and there are user guides for the clients on our Help website
- A standard OMERO user just needs to download the client package with the same major version as their institutional server e.g. 5.0 clients with the 5.0 server
- If you do not have an institutional server, you can apply for an account on our Demo server or download the Virtual Appliance to install your own version locally.

OMERO client downloads

Clients	Size	File Name	Checksum
Windows	78.27 MB	OMERO.clients-5.1.0-ice35-b58.win.zip	96f2c6 (MD5)
Mac OS X (Java 7+)	229.66 MB	OMERO.clients-5.1.0-ice35-b210.mac.zip	06c5f8 (MD5)
Mac OS X (Java 6)	229.62 MB	OMERO.clients-5.1.0-ice35-b58.mac_Java6.zip	35c5a4 (MD5)
Linux	76.42 MB	OMERO.clients-5.1.0-ice35-b58.linux.zip	bb021f (MD5)

- Each client package includes OMERO.insight, OMERO.importer and OMERO.editor and requires Java **6** or higher.
- Users of Mac OS X should use the clients matching their installed Java version. Users of MacOS X 10.7 and later should install the latest Java Runtime Environment (JRE) and use the Java 7+ downloads. Users of MacOS X 10.6 can only use the Java 6 download.

Note: Mac OS X users should download the clients matching their installed Java version.
With MacOS X 10.7 and later, install the latest Java Runtime Environment (JRE) and use the Java 7+ downloads.
With MacOS X 10.6 you can only use the Java 6 download.

2 Expand the OMERO.insight client archive and move it to your home directory.

Windows:



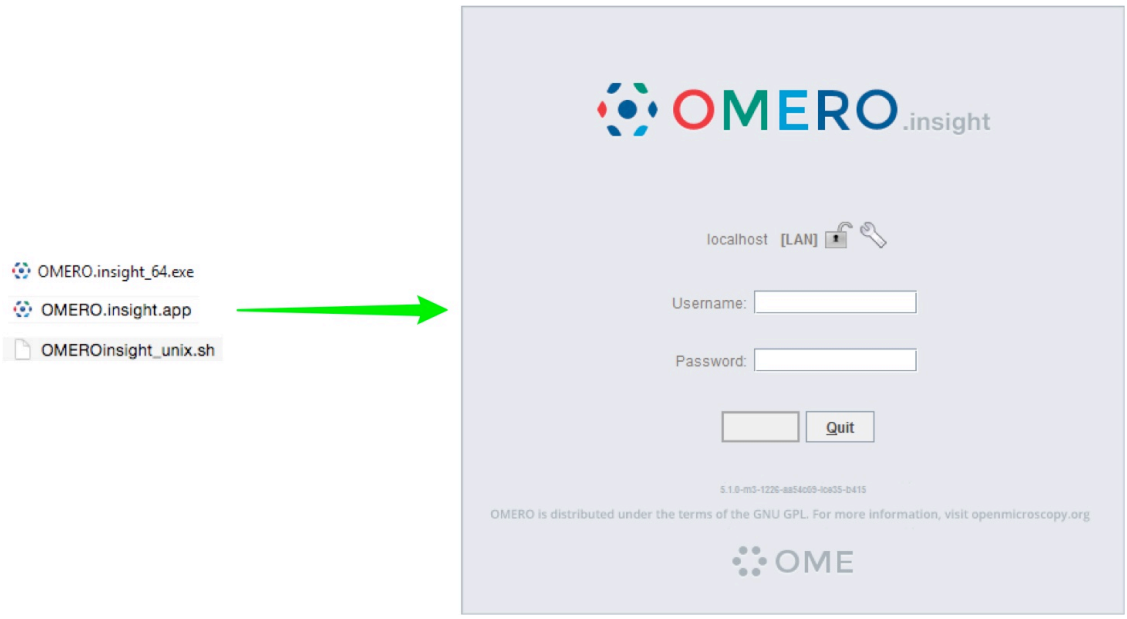
Mac OS X:



Linux:



3 Open the OMERO.insight client.



Note: Mac users may be blocked by a warning that OMERO.insight has been prevented from opening as it is from an unidentified developer. Follow these instructions to adjust the security settings so OMERO.insight can run on your Mac: https://support.apple.com/kb/PH14369

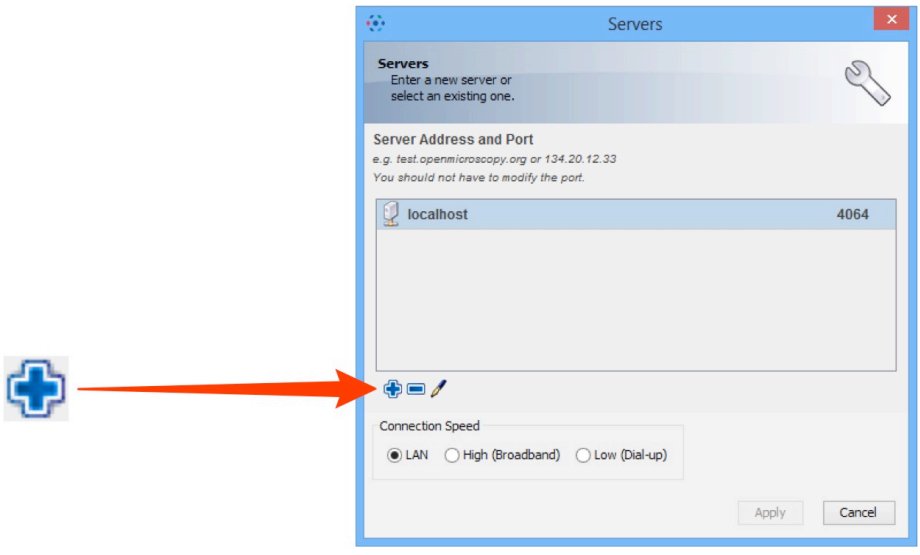
Adding Server and Logging In

Adding the server is only required the first time an OMERO server is accessed from the computer.

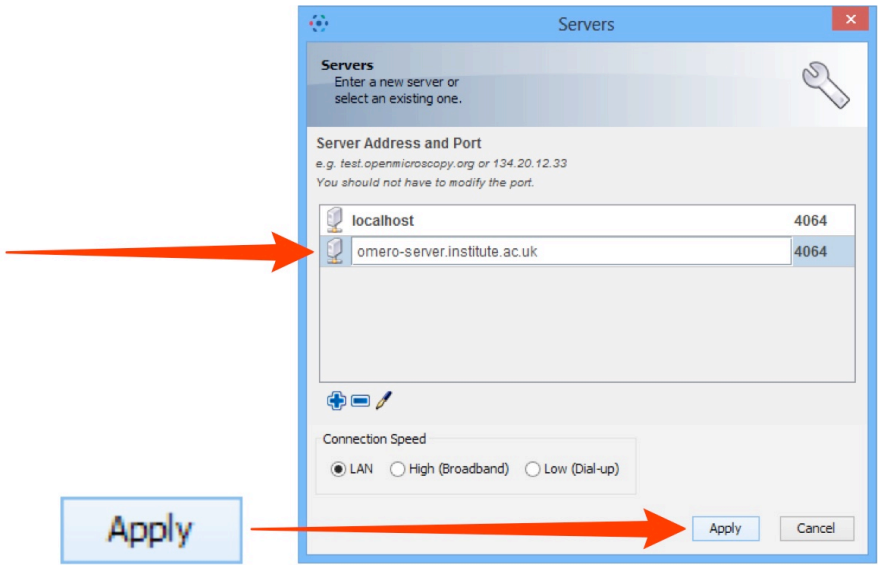
1 Click on the **Spanner** icon.



2 In the **Add Server** dialogue box, click on the **+** icon.



3 Enter the server address provided by your OMERO administrator.
Click on **Apply**.

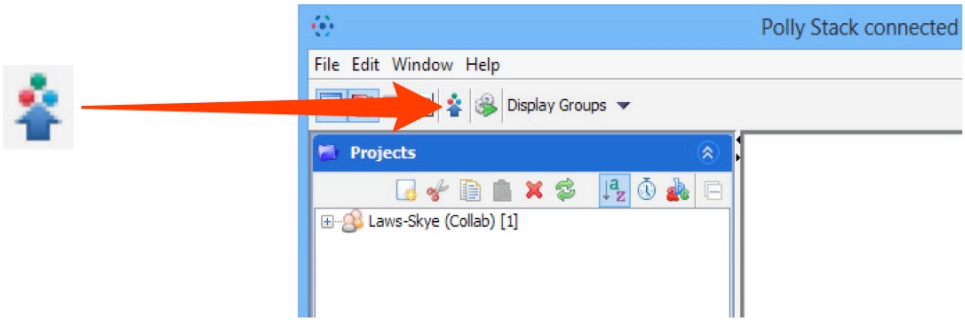


4 Enter the **Username** and **Password** provided by your OMERO administrator.
Click on **Login**.

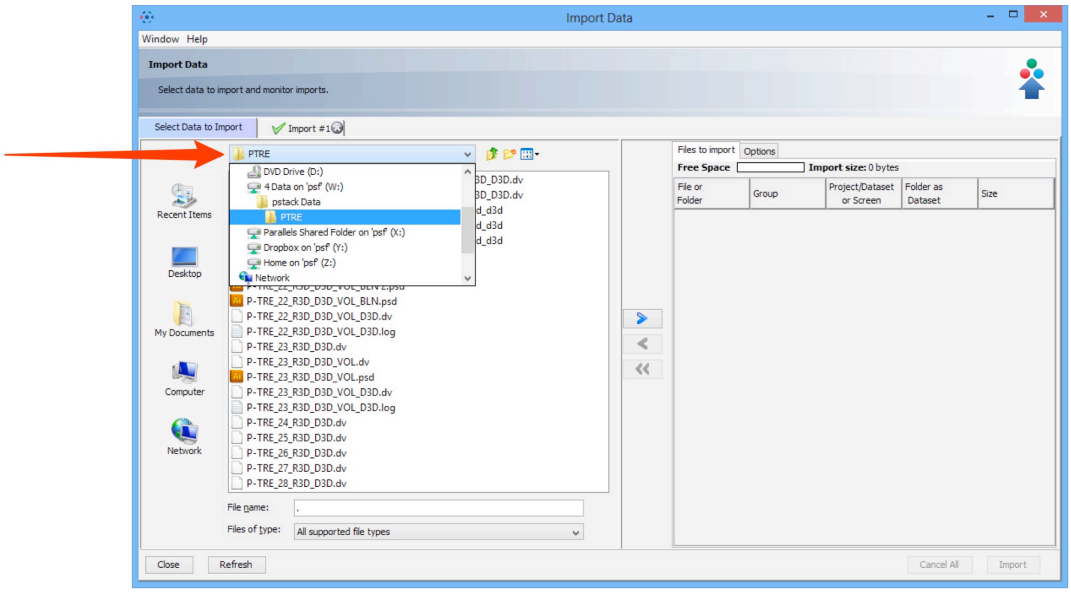


Adding Image Data

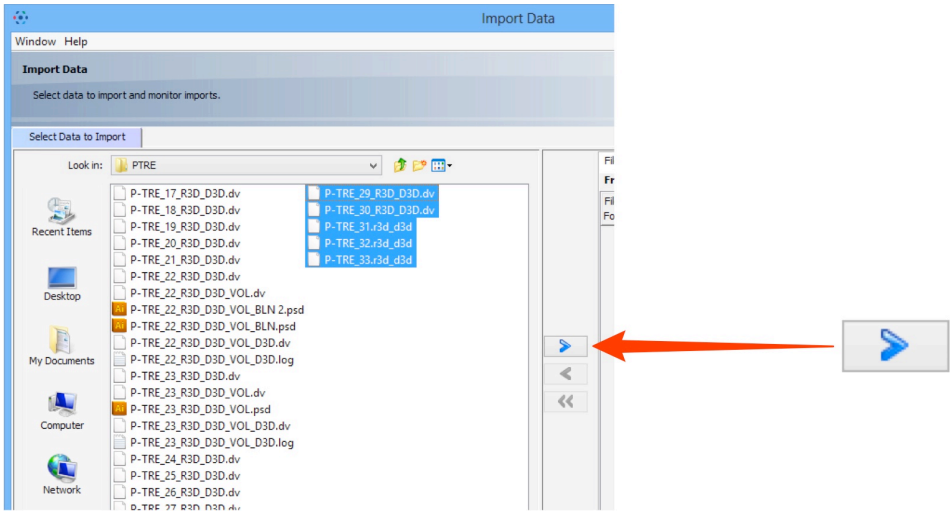
1 Click on the **Importer** icon.



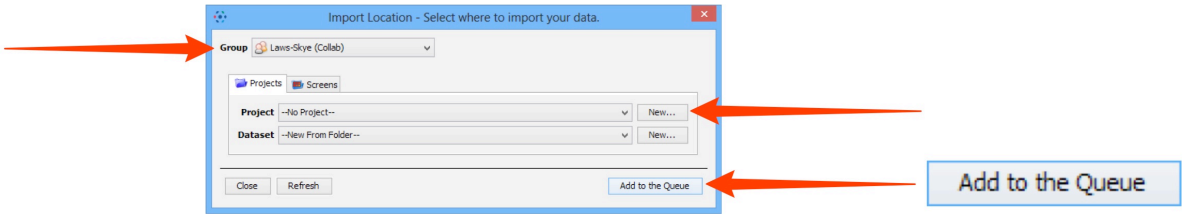
2 Use the **File Chooser** to locate data to be imported on local or networked drives.



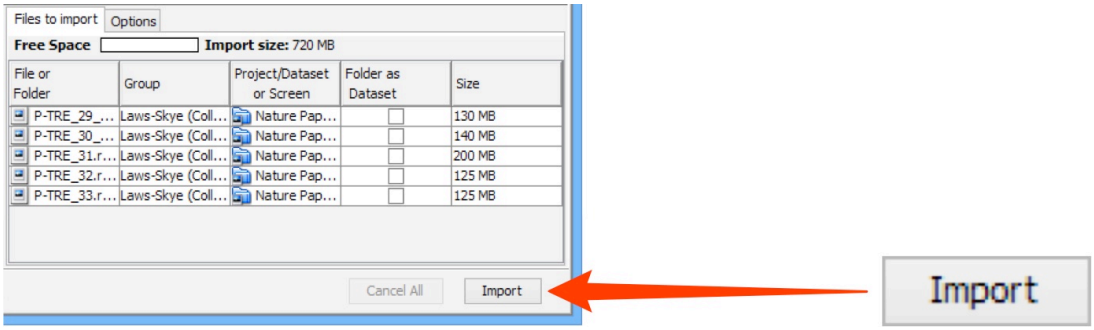
3 Select image data to be imported.
Click the right **Add** arrow.



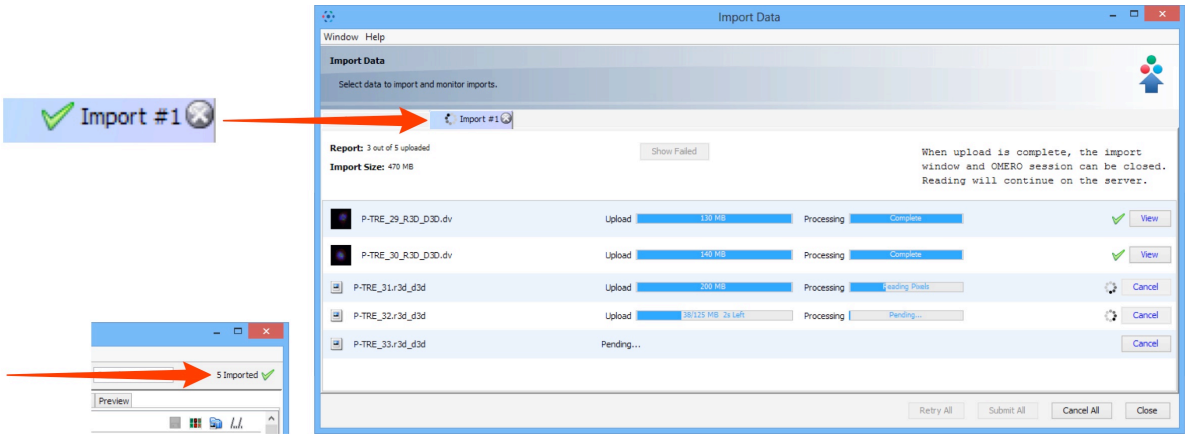
4 Specify location for saving imported data:
- select a group if you are a member of more than one
- a new project and/or dataset can be created
- an existing project and/or dataset can be selected from the drop-downs
- a new dataset can be automatically created from the source folder
- click **Add to the Queue**



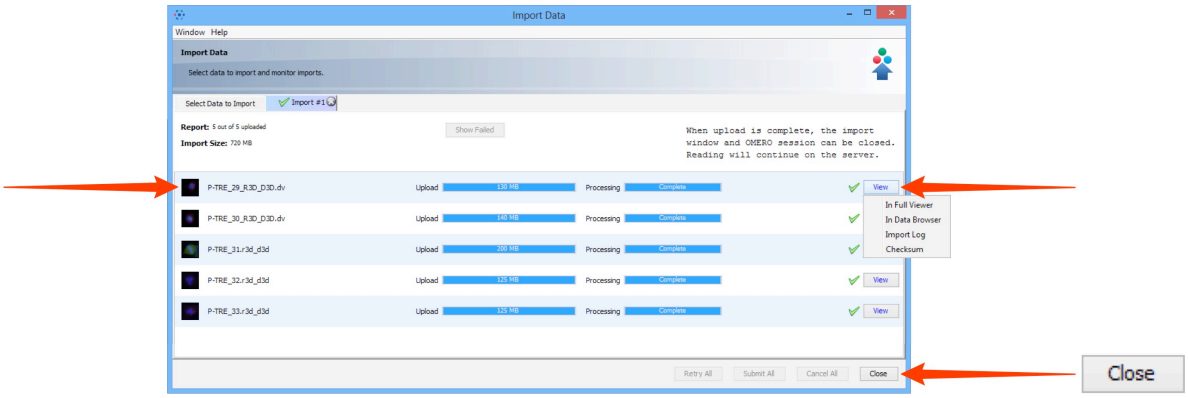
5 Data to be imported appears in the queue pane**.**
When ready click on **Import.**



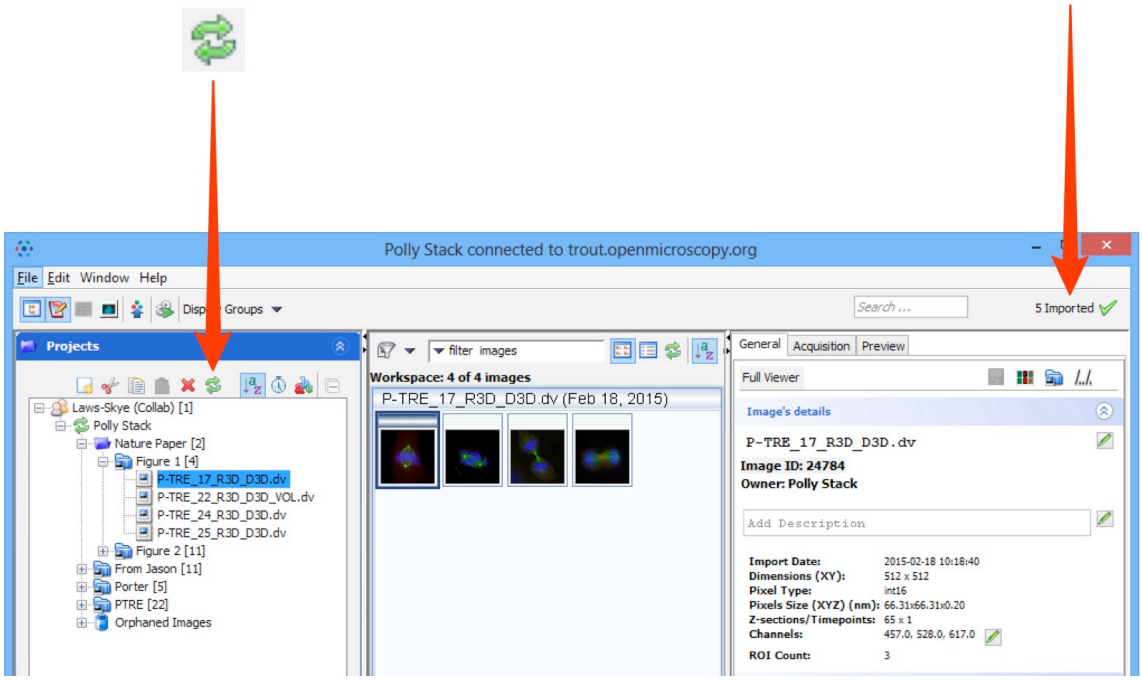
6 Import progress will be shown in the **Import #1** tab.
Further data can be queued and imported using the **Select Data to Import** tab.
Multiple queues can be run simultaneously.
A green check is shown in the **Import #1** tab and in the top right corner of the main Data Manager window when the queue is successfully imported.



7 Double-click on the thumbnail or select from the **View** menu to open the image in the full viewer or close the Import Data window to return to the Data Manager window.



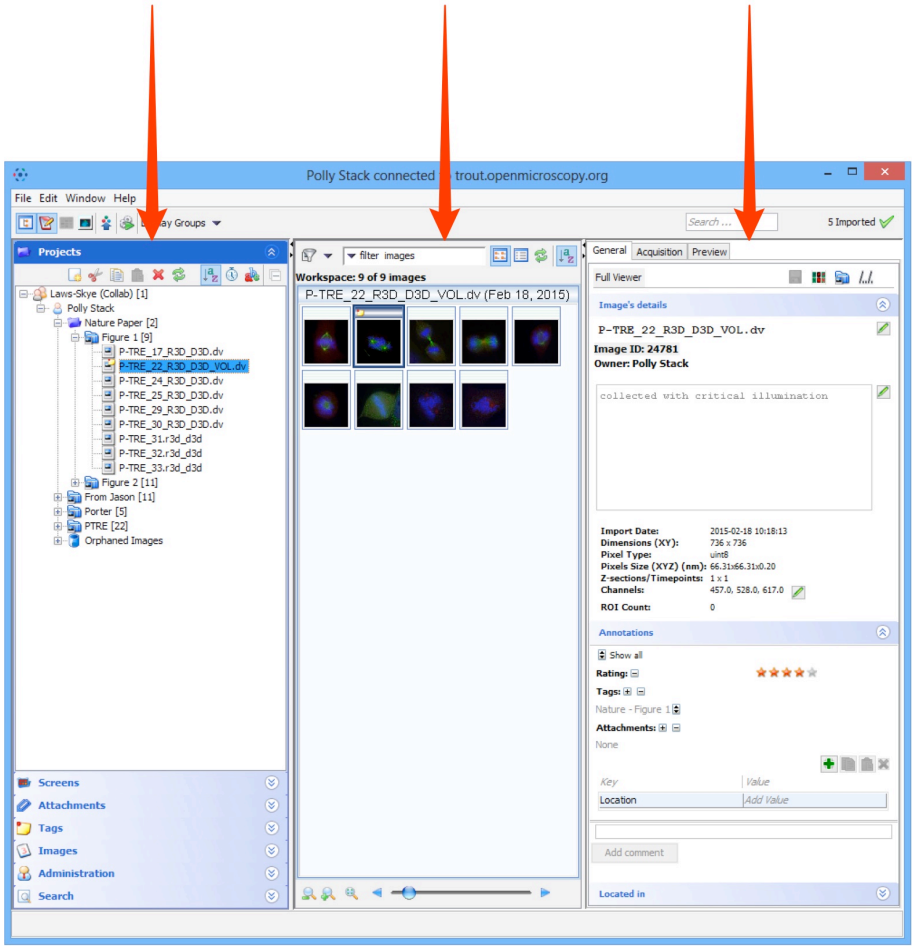
8 Click the **Refresh** button to see the imported data in the Data Manager window. Import progress is shown on the top right-hand side of the Data Manager window. Notifications of any import failure will also appear there with a red X.



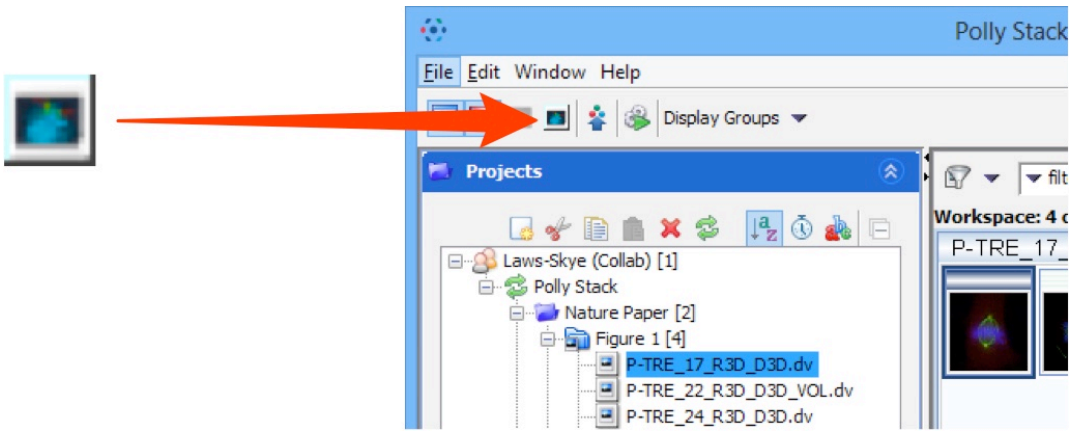
Viewing Image Data

1 The Data Manager window is divided into 3 panes:

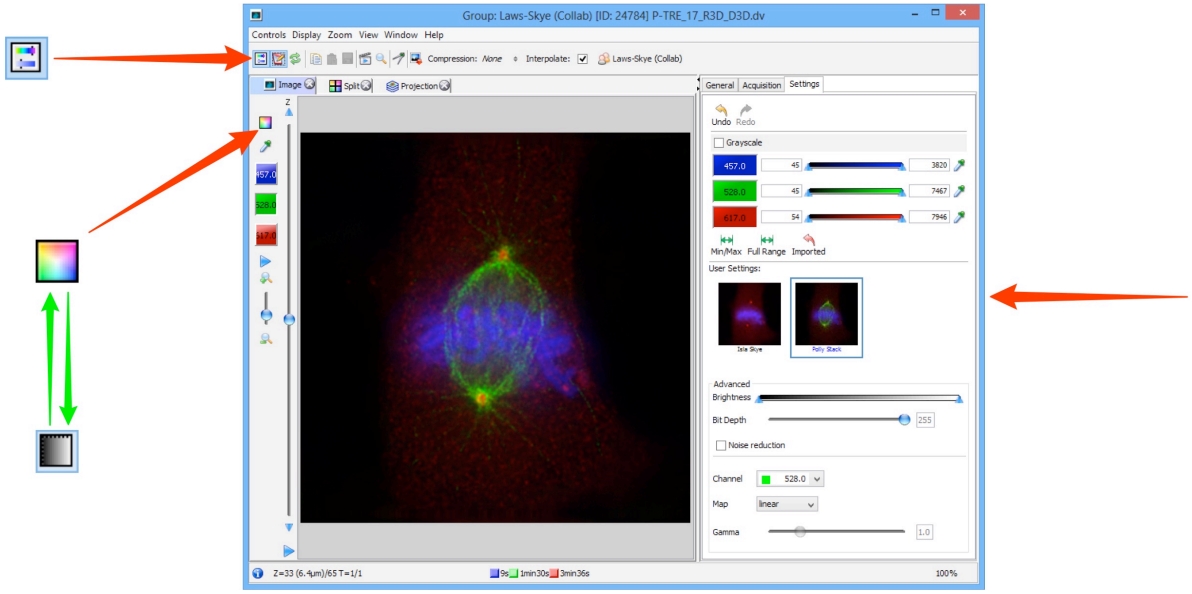
- the left hand pane shows the data tree and tabs for screens, tags and search
- the centre pane shows thumbnails and enables filtering of images
- the right hand pane shows the general information, metadata and the preview



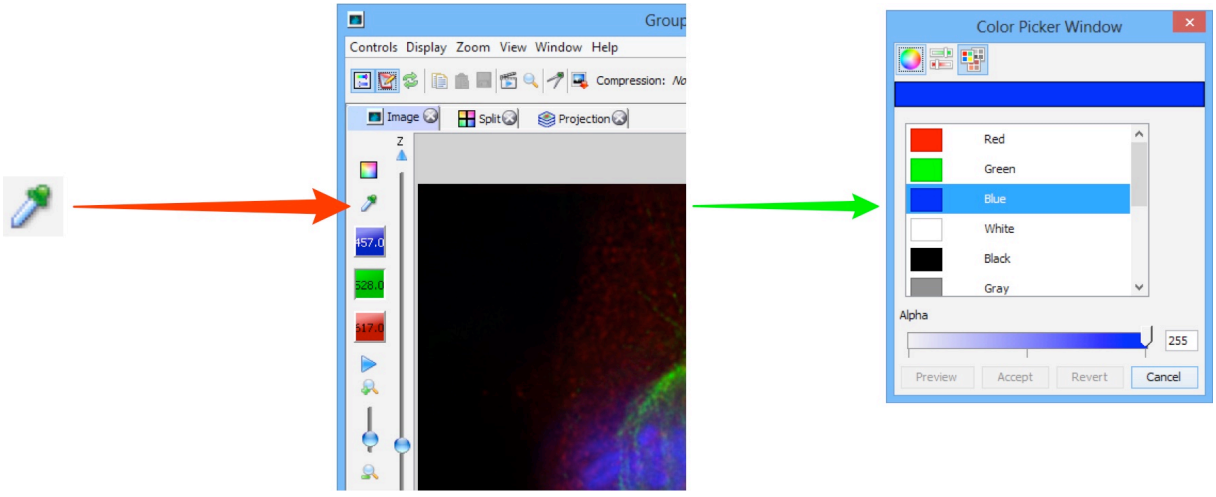
2 Double click the image name or thumbnail to open an image in the full viewer or click on the image viewer icon.



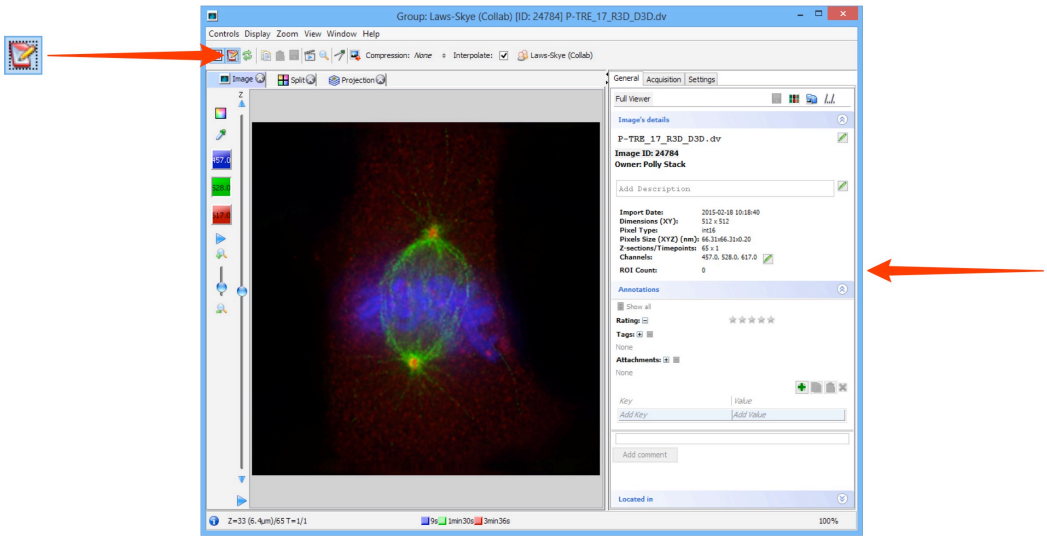
3 The image viewer enables you to change rendering settings.
Hide / show rendering settings pane.
Toggle between colour and monochrome rendering.



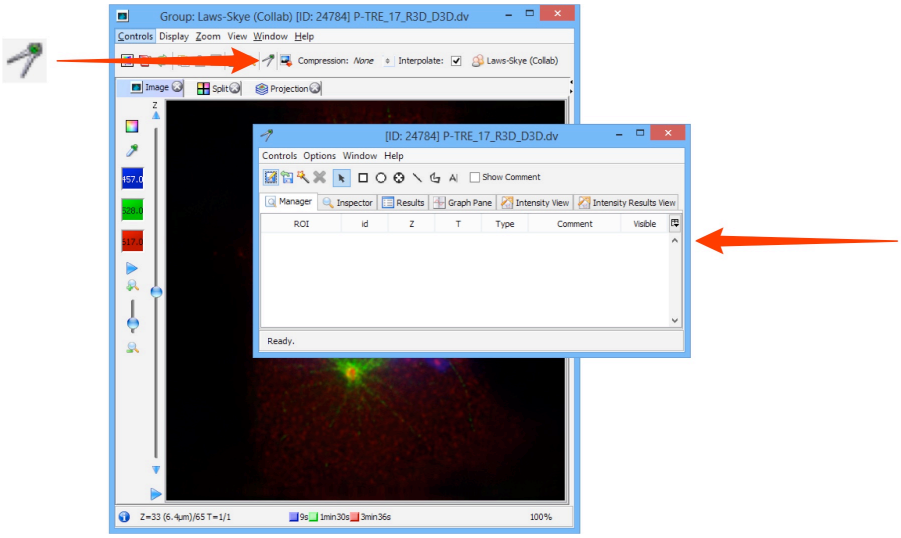
4 Click the colour picker to open the colour picker window.
This is used to change the colour rendering for a channel.
Clicking the colour well toggles the channel on or off



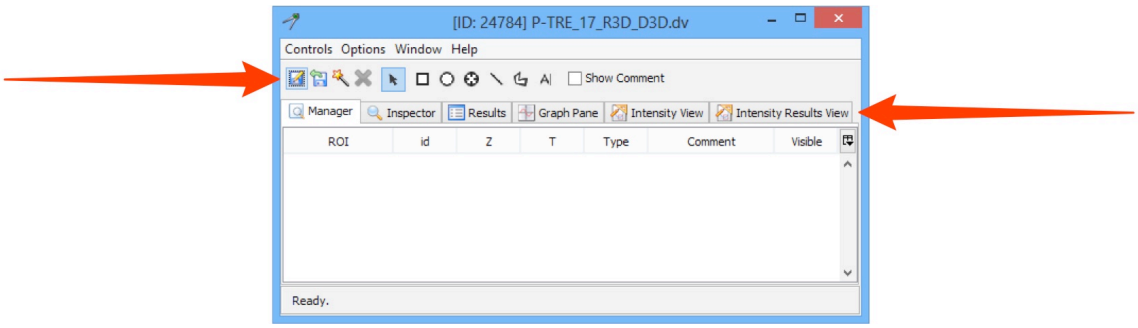
5 Click on **Metadata** button to view the metadata in the right pane.



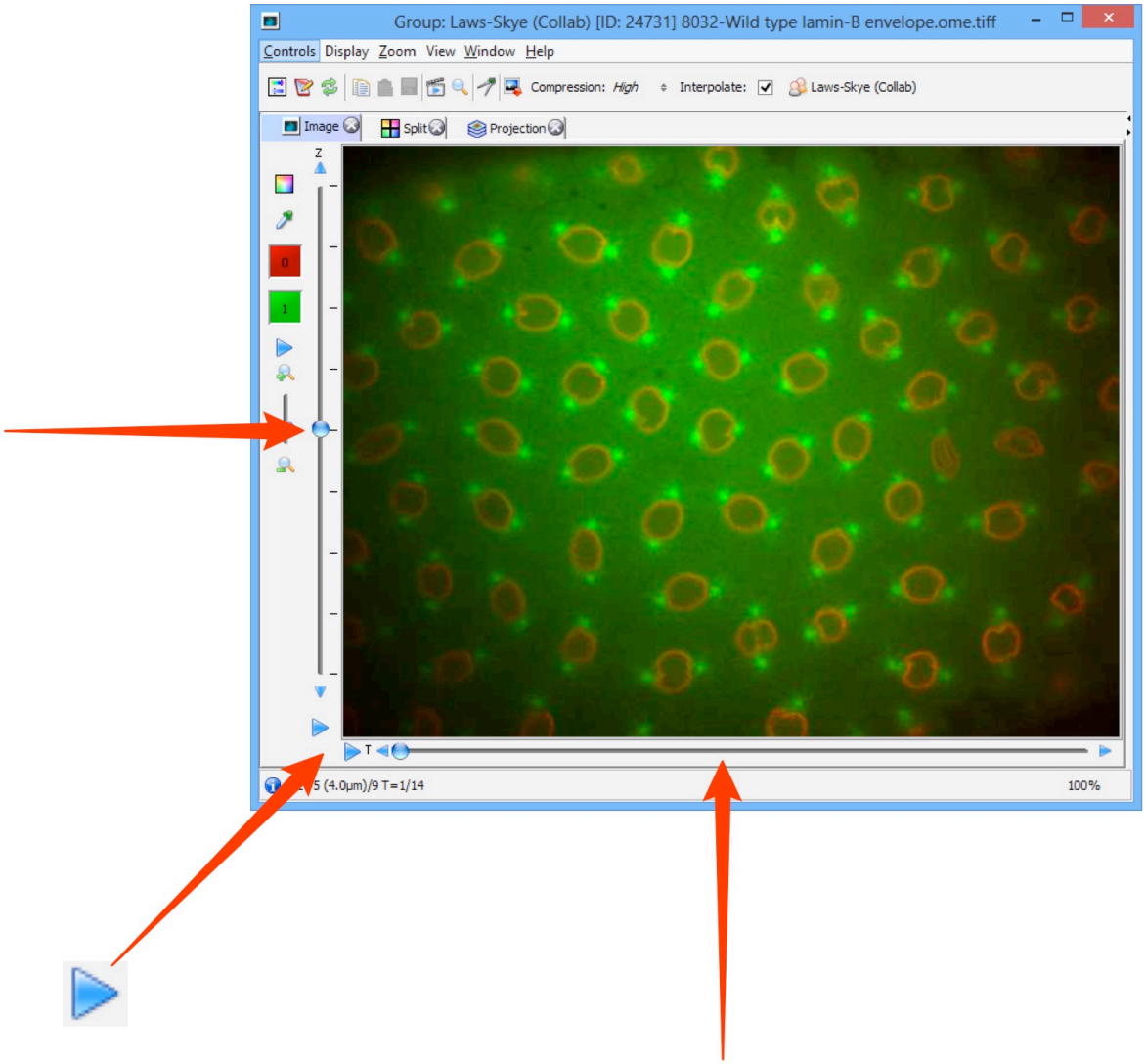
6 Click on **Measurement Tool** button to open the Measurement Tools palette.



7 Use the toolbar to draw Regions of Interest (ROIs).
Click on the tabs to see details of ROIs or view results of analysis based on them.



8 Use the sliders to step through **Z-stacks** and **T-sequences** or click the **Play** triangle to play through them as a sequence.



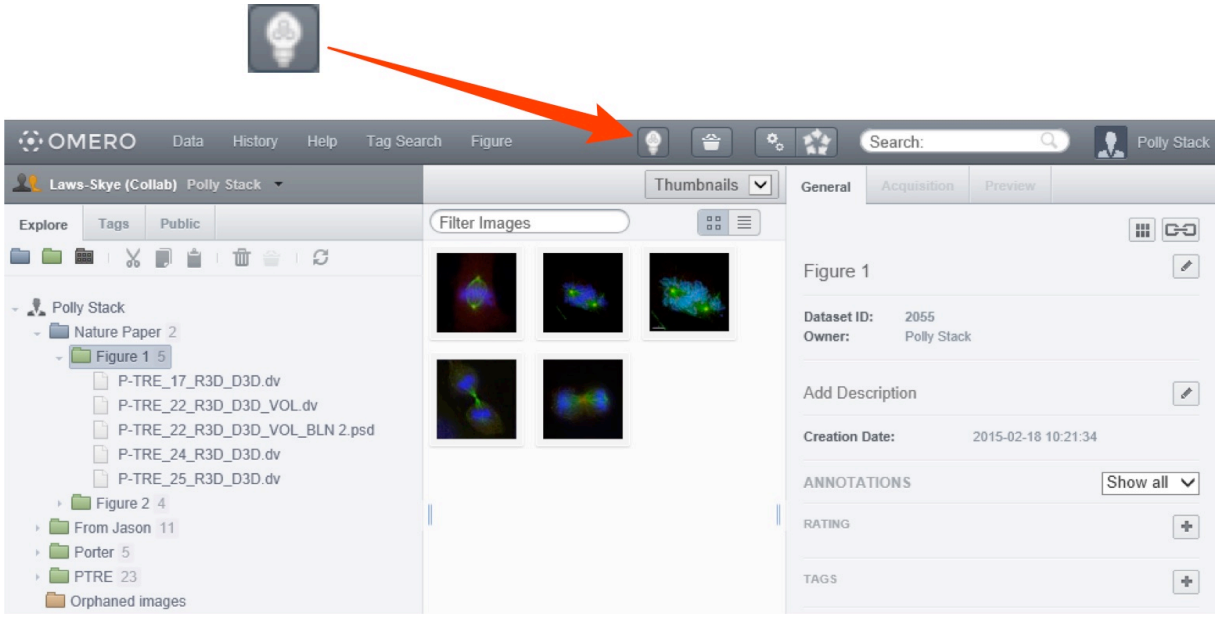
Using Web Start

If users have restrictions on their ability to install software on their computers, a version of the OMERO.insight client can be downloaded as a Web Start package via the OMERO.web client.

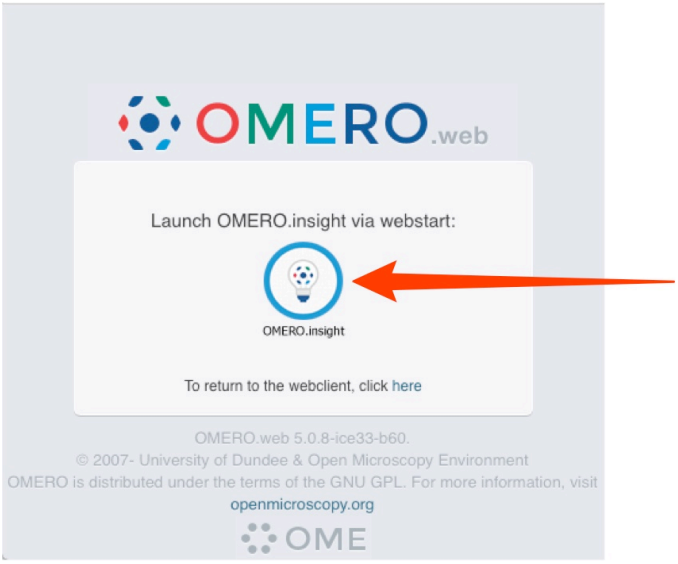
Using Web Start ensures you are always using an up-to-date version of OMERO-insight. For all practical purposes the Web Start OMERO.insight client is identical to the standard OMERO.insight client.

To access the OMERO.web client you will need a web address (URL) provided by your OMERO administrator. Your username and password to log in is the same used for the OMERO.insight client.

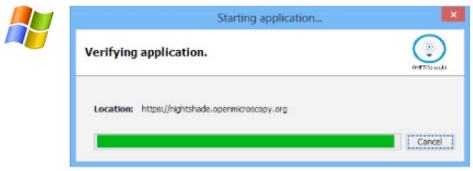
1 Click on the **Web Start** button.

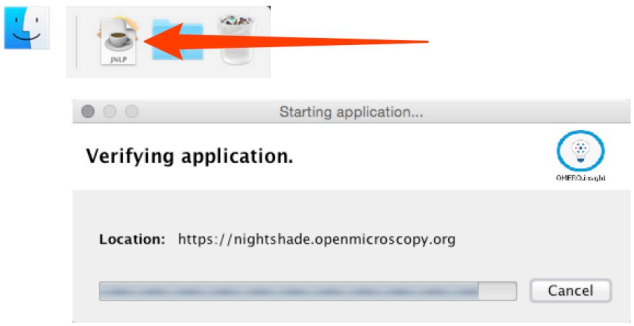


2 Click on the **OMERO.insight** link on the pop-up window.



3 On Windows the Java package usually downloads and starts unzipping automatically. On the Mac you may have to double-click the downloaded file to expand it.





4 Click **Run** to open OMERO.insight.
The saved application is then used like any other programme.

