

Workflow 1: Figure Preparation

Use insight to prepare a figure for a paper

Login to 4.4 server

user: andrew

password: ome

group: Nevis (read annotate)

Notes

rename kyle to andrew on server

Lets look at the main window

Show basic layout

Mention the three panels and resize window now!

Notes: Leave gap so can click back and forth to import window

Import a file - Select and tag

Open Import Window (using button or right click) - then resize

Select image and show file selector

Stress folder selection possible

Tagging at import time

Notes

Import a file - destination & start

Show “Location window”

Add to existing Data from Jason project

Use "From Folder" to create new dataset

Click Import

Show “Import Progress”

Notes

Meanwhile - Show the tree view

Switch back to main window

Show default logged in Group and user in tree

Explain Projects

Explain Datasets

Show images and mention they can be in multiple datasets

Import Completed

Switch back to Import window

Show Completed

Optional - Show failure?

Close Import Window

Notes

DO NOT use the blue link as might fail

Check our new image - Thumbnail & Sidebar

Refresh tree!!

Show thumbnail

Select Image

Flick through General, Acquisition and Preview tabs

Notes

Mention Image ID as can be used to access from scripts

Standardise the rendering setting - using whole imported dataset

Select the “PTRE” Dataset

Select first image

Select Preview tab

Notes

Standardise - adjust step & apply

Using Preview tab

Knock out red channel

Play with the sliders (if time)

Watch the thumbnails - “Apply to All”

Notes

Explain why some thumbnails did not change, as they did not have same channel count.

Filter for tag “4 Channel” to show unchanged

Notes

Viewing images full size and how you want

Open full viewer on first image

Show rendering adjustment also available here

Show Zoom

Show Channels

Notes

Viewing images full size - Z & T

Show Z slider and play

Show T slider and play

Notes

Viewing images - Can add ROI

Explain you can add ROIs to the image

Show tool but do not add any

Close the full view

Notes

Lets batch export images - selecting the best

Select first image

Show it is tages as “Telophase”

Explain images have already been tagged by stage

Filter by tag “Telophase”

Notes

... export images - rating 5 stars

Choose one of the images (at random)

Set it as 5 star and save using General Tab

Choose new tag for Filter “Promethaphase”

Rate one as 5 star, save.

Repeat for “Anaphase”, “Interphase”, “Telophase”

Lets batch export images - filter best

Choose to filter by 5 star, should have 5 images

Notes

... export images - the script

Select all the visible images (should be only 5 star)

<<<< LEFT TOP script menu

“Export Scripts” -> “Batch Image Export”

IDs already populated

Choose OME-TIFF format

Run the script

Lets batch export images - Activity

Show activity window

And fill time until complete

Notes

Lets batch export images - the results

Download the zip

Unzip and open

Show the export log, show it has the rendering setting and other metadata

Notes

Lets make a figure - Setup

Remove the filter, show the whole dataset

Select a batch of images to work with, in this case
select the dataset “PTRE”

Notes

Lets make a figure - Run the script

RIGHT GENERAL TAB “publish” menu >>>>>

Notes

Lets make a figure - Lots of options

Add Thumbnail in name field

Make Format PNG

Make Thumbnails size 128x128

Check “Select by Tag”

Notes

... a figure - Ordering by tags

See list of available tags

Choose them in the order you want to group the thumbnails (when an image has multiple tags)

ORDER: Prometaphase, Metaphase, Anaphase, Telophase, Interphase

<<< Ordering shown on left

Lets make a figure - Create and Activity

Click “Create” to run the script.

Watch “Activity” and fill time

Notes

Lets make a figure - Show Activity function

Menu to Download or View

Select View

Show arrangement by tags

Clear and close Activity

Notes

Lets make a figure - Finding it again

Select the Dataset

Show the “General” tab has the figure jpeg
attached

Notes