

Bio-Formats

This allows you to import proprietary image files into movie object using the Bio-Formats library (<http://loci.wisc.edu/software/bio-formats>).

Import movie using Bio-Formats:

After clicking on this button you will be asked to select a file containing the movie. If **Uncompress channels as series of TIFF files** is checked, you will be asked to specify a folder where to uncompress the raw data. You will be asked to specify a path where to save the movie database MAT file as well as the movie analysis.

Once the movie is imported into Bio-Formats, the movie interface will be reloaded in preview mode.

Channels

This allows you to select the folders containing the images for each channel of the movie. Each channel must be in a separate folder, with one file per time point. Note that all channels should have the same number of images, and their images should all be the same size.

Add channel:

This allows you to select a directory containing images from a channel of the movie.

Delete:

This allows you to delete the selected channel from the channels list.

Advanced channel settings (optional):

This allows you to enter additional channel-specific information like the excitation and emission wavelengths and the exposure time.

Output Path:

This allows you to specify the folder where the results of the processing will be stored.

Movie Information (optional):

This allows you to enter additional information of the movie. Some information may be used by processing packages. Currently editable information is the :

Pixel size:

The pixel size of the camera in the object domain, i.e. the physical pixel size divided by the magnification (in nm)

Time interval:

The frame rate of the movie (in s)

Numerical aperture:

The numerical aperture of the microscope lens

Camera bit depth:

The bit depth of the camera (in bits)

Notes (optional):

This allows you to enter notes describing the condition, experiment number, the date, etc. - anything you want!