

Next Gen File Formats

Materials for the workshop are available at

<https://downloads.openmicroscopy.org/presentations/2020/Dundee/Workshops/NGFF>

Introduction (0-10') - Josh Moore

This workshop will focus on OME's efforts to improve and encourage the use of open, community-supported file-formats.

[Part I](#) (10'-60') - David Gault

The first half of the workshop will cover advanced techniques for scripting Bio-Formats, using pyramidal OME-TIFF files as a primary example. You may want to install ImageJ and [bftools.zip](#) (6.3.1) before the workshop. Topics include:

- Working with large images using the existing toolsets
- Converting to Pyramidal OME-TIFF
- Using the command line tools
- Scripting in the ImageJ environment

⇒ Details for the first part can be found in the [Next Gen File Formats - Part I](#) document.

[Part II](#) (60'-110') - Josh Moore

The second half of the workshop will cover more recent investigations into a prototypical chunked file-format, specifically [Zarr](#). Topics include:

- Glencoe's pipeline for whole-slide imaging including bioformats2raw
- Investigating the raw intermediate format for public data
- Towards an ome-zarr library with an example napari plugin

⇒ Details for the second half can be found in the [Next Gen File Formats - Part II](#) document.

Close (110'-120')

- Discussion, Questions, Feedback