

Image Data Management

David Pinto

Micron Oxford
Advanced BioImaging Unit
(the basement)

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Microscope Image Analysis in 3 parts

Plan

OME

Metadata

- ① What is in a microscope image
 - What is in a image?
 - Image display
 - ImageJ
 - Image acquisition
- ② Images as N dimensional numeric arrays
 - N dimensional images
 - Spatial filters
 - Morphology
 - Connected components
- ③ Don't botch your data
 - File formats
 - Data storage
 - OMERO

Open Microscopy Environment

Plan

OME

Metadata

- bioformats
- OMERO
- OME-XML
- OME-TIFF

Files and metadata

Plan

• OME

Metadata

- why some many formats?
- metadata saved may be format dependent
- use libraries and applications that respect you

Bioformats and OME-TIFF

Plan

OME

Metadata

