High-throughput FISH image analysis pipeline using OMERO.

by Dominic Waithe
The alpha-globin gene is an important gene in the maturation of erythroblasts.
FLUORESCENCE IN-SITU HYBRIDISATION LABELLING
ACQUISITION

Thousands of stacks

Soon we move on to super-resolution imaging
DECONVOLUTION WITH HUYGENS

Run in batch-mode, worth doing for this application
OMERO’s role has been so far for archiving
REANALYSIS

• ACCESS DATA DIRECTLY IN OMERO

Access data using python through virtual machine or through FIJI
WHAT NEXT

Thorough comparison of all available automated detection and localisation methods for foci.

Better integration with OMERO
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