

Use of computational methods for Image Visualization and Analysis via Kepler and imageJ

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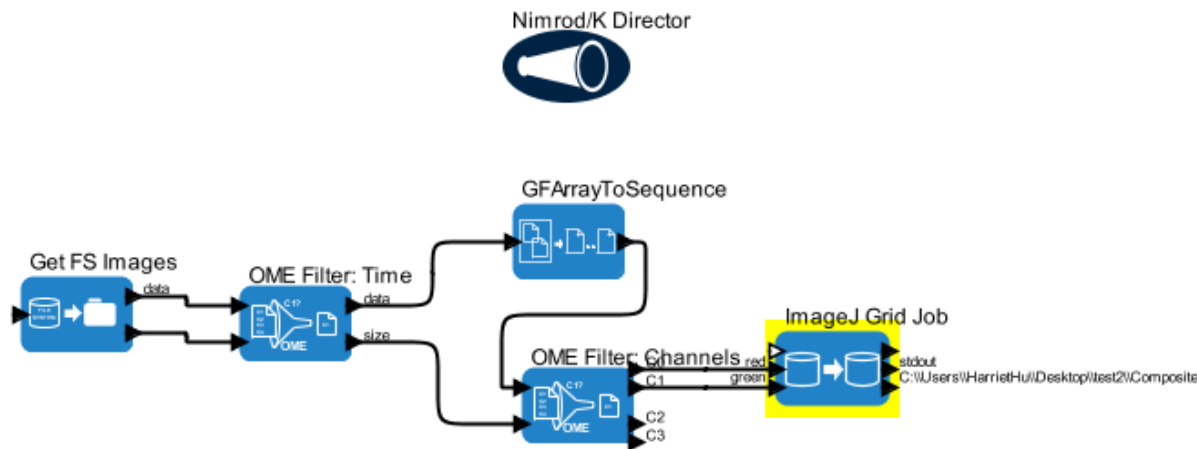
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Progress

- Completed preliminary workflow

Filters images by time, successively channel

Displays on ImageJ, and uses scripts to merge channels

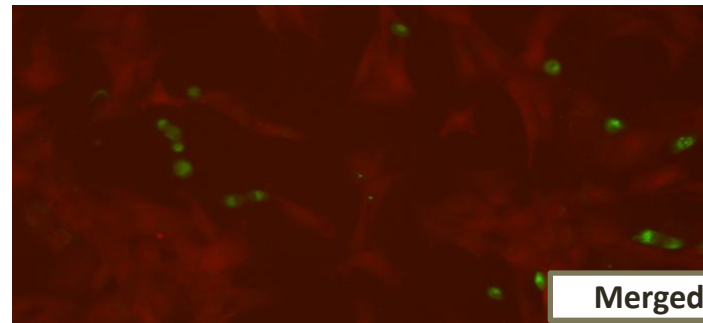
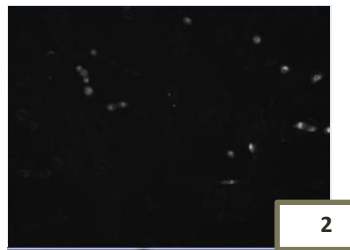
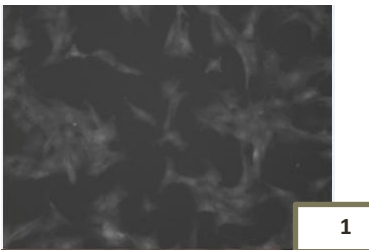


The screenshot shows a window titled '.FSCComplex.Display' with a menu bar (File, Tools, Help) and a text area containing the following file paths:

```
file:/C:/Users/HarrietHu/Desktop/LIFConverter_v1.6.2/experiment--2012_07_04_06_17_49/series0/image--t000--Z000--C000.ome.  
file:/C:/Users/HarrietHu/Desktop/LIFConverter_v1.6.2/experiment--2012_07_04_06_17_49/series0/image--t000--Z000--C001.ome.  
  
file:/C:/Users/HarrietHu/Desktop/LIFConverter_v1.6.2/experiment--2012_07_04_06_17_49/series1/image--t000--Z000--C000.ome.  
file:/C:/Users/HarrietHu/Desktop/LIFConverter_v1.6.2/experiment--2012_07_04_06_17_49/series1/image--t000--Z000--C001.ome.  
  
file:/C:/Users/HarrietHu/Desktop/LIFConverter_v1.6.2/experiment--2012_07_04_06_17_49/series2/image--t000--Z000--C000.ome.  
file:/C:/Users/HarrietHu/Desktop/LIFConverter_v1.6.2/experiment--2012_07_04_06_17_49/series2/image--t000--Z000--C001.ome.
```

Progress (con'td)..

- Familiarized self with using OMERO.client
- Slavisa edited the “Get FS Image” actor, so testing with the workflows I’ve been working on has been much faster
- Completed workflows that can now work on the latest edition of .lif files of time lapses, slices, and channels
 - Workflow merges channels by color that cells were stained

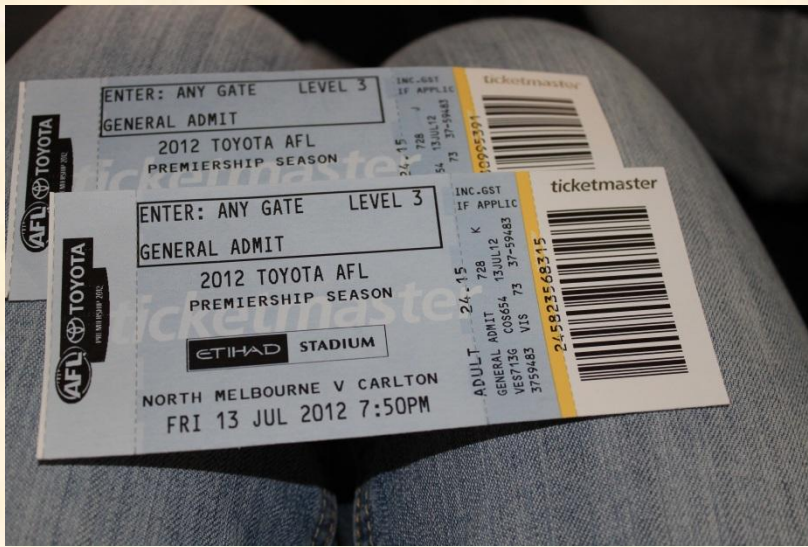


Tentative Plans

- Research how to export data from ImageJ into a .CSV file onto desktop
- Incorporate ImageJ analysis post-merging of images
- Update files on the Biochemistry department to run newer version of Nimrod/K

**Walking alongside Brighton Beach
with its beautiful beach huts!**





Aussie Rules Football at the Etihad Stadium!

24.5 (149) North Melbourne Kangaroos
defeating 14.12 (96) Carlton Blues



Many thanks to...

Monash University

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PRIME at University of California, San Diego