

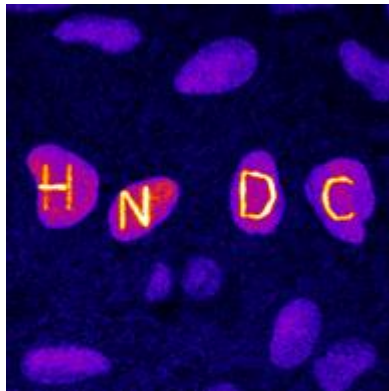
Harvard NeuroDiscovery Center

COLLABORATING TO CURE
NEUROLOGIC AND PSYCHIATRIC DISEASE



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Digital Image Analysis with ImageJ October 29th - October 31st 2014



This intensive 3-day workshop taught by Dr. Lai Ding, manager of the Harvard NeuroDiscovery Center Enhanced Neuroimaging Core, introduces ImageJ, its basic functions, and its macro programming capabilities. Using real imaging projects performed at the Harvard NeuroDiscovery Center's Enhanced Neuroimaging Core, Dr. Ding will demonstrate common image analysis tasks such as basic image processing, stack alignment, cell counting and measurement. Macro writing will be covered to demonstrate how to automate a series of ImageJ commands, to process massive datasets automatically and to store results as desired.

The workshop is broken down into three sessions. Interested participants can sign up for one or more sessions depending on their interest and experience. See tentative schedule below.

If you are interested in this workshop but unable to join this time, please let us know by contacting [Lai Ding](#). We MAY host another identical workshop in November or December based on the interest shown.

Program Schedule:

Session I (October 29th) ImageJ for beginners: basic ImageJ functions, measurement, filtering, background subtraction, cell counting, particle analysis, and ethics on image processing.

Session II (October 30th) Advanced ImageJ: morphology filter, thresholding methods, using ImageJ on FRAP, colocalization analysis and wound assay, working with plugins, designing image analysis protocols.

Session III (October 31st) ImageJ Macro Programming: introduce ImageJ macro programming language, record image process protocols as macro, batch process multiple images, user interactive features in macro, case study with sample codes. This session is aimed towards the non-programmer, however we do expect the participant to have a basic idea of programming flow control syntax ("for" loop, "if-else" control). The participants are strongly encouraged to go through a brief tutorial on the ImageJ official website before the workshop. <http://rsb.info.nih.gov/ij/developer/macro/macros.html>

Location:

L2-025
Countway Library Computer Classroom
Harvard Medical School
10 Shattuck St. Boston, MA 02115

To download details and enrollment information, click [here](#).

To register, please complete the online registration form by clicking [here](#).

For further information please contact: Lai Ding at
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