

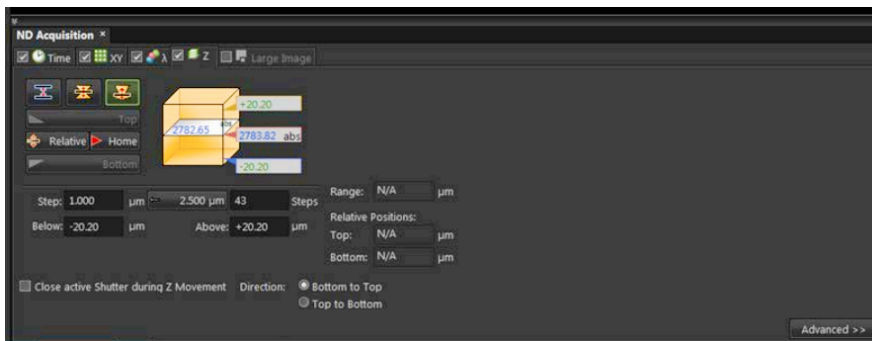


What did one cell say to his sister
when she stepped on his toe?

Mitosis!

TECH HIGHLIGHT: MULTIDIMENSIONAL IMAGING

Did you know that it is quite easy to make your time on LMF microscopes much more efficient? On most of our microscopes, you will find "ND acquisition" which is a module that allows you to combine various dimensions such as multicolor, time-lapse, z-stacks, and numerous x-y-z positions. Thus, instead of running a time-lapse on one field of view (FOV) overnight, you could run it on 96 wells with 10 FOVs each thus resulting in 960 time-lapse datasets for the same amount of microscope time. Using the [Perfect Focus System \(PFS\)](#) is key to multipoint imaging. To use it, simply manually focus, note your z-value, then turn on PFS, and adjust offset knob to return to your z-value.



TECH FAQ: "DUDE, WHERE'S MY DATA?"

One perpetual question that we get is, "How can I get my data?" Here is the answer and what I consider Best Practice.

- 1) SAVE your data during acquisition to a local data drive
(usually D or E, never C as it may be deleted automatically)
- 2) At session end, COPY that data to a network location or USB drive
- 3) STORE your data on a local or cloud service that you 100% control

Data is removed on an age basis on all LMF PCs (oldest data deleted first when hard drive space runs short). Remember, we also offer central, high-speed storage for free currently...just [inquire](#).

a

GET STARTED

New user
orientation
Every Tu @10
Zoom@4135774580

b

GET HELP

Office hours
Every Mo @10, Th
@10, & Fr @11
Zoom@4135774580

c

GET ANSWERS

Use [LMF MS-Teams channels](#), chat with staff and other users (and future chatbot).

Did you know?

- If you want optimal images for your research data, you should get to know [Harry](#) and his [Theorem](#). On the A1 confocal systems, the software can calculate the criteria on its own. For X-Y you just have to press "Nyquist" on the A1 Scan Area. For Z, click the suggested value between the Steps and Step Size.

Instrument status

- 13 scopes, no known major issues
- SD (new camera, lasers function - watch for announcements on Live-SR status)
- HCA plate-loading robot is behaving

IT status

- 10Gbps fiber on all PCs functional
- For all publications that include work from the LMF, you can now make use of this RRID:SCR_021148 in your methods section (and acknowledging the MLSC as below).

Try-a-Microscope Day: 7/14

- A1R-Multiphoton
- 405, 488, 561, 640 & 740-1060nm lasers
- Single or multi photon capable
- Huge range of objectives, peripherals
- [Reserve your slot now](#).

Monthly pubs

- ✓ [The amygdala modulates prepulse inhibition of the auditory startle reflex through excitatory inputs to the caudal pontine reticular nucleus](#)

- ★ LMF staff author
- ✓ Papers that acknowledged the LMF and MLSC as [they are supposed to](#).
- Missing your paper? [Send a link](#).

New trivia competition

Why is oil used on some objectives?

- One sentence answer maximum.
- Correct answers received via [email](#) by the 8th will be entered in a drawing for the prize of **2 free hours of imaging on the microscope of your choice**.

Non-microscopy stuff

Leaping lemurs...[Extinct lemurs genome](#)

