# What you can do in the ...

# Light Microscopy Core Facility

DUKE UNIVERSITY AND DUKE UNIVERSITY MEDICAL CENTER

### Image ...

### A great range of samples:

✓ Fixed or live

FV1000

Inverted

Upright

Upright

Upright

Upright

Inverted

Inverted

Inverted

- ✓ Slides, culture dishes, intravital imaging
- ✓ Thin or thick Scale optically cleared
- tissues allow imaging depth up to 8 mm
- ✓ Single molecules to cm scale structures
- Nanosecond to multiday events
- ✓ Range of  $\lambda$  UV to NIR



### Using a variety of modalities/techniques:



## Visualize, process and analyze.



VivaView

Disk





Dedicated staff can help you whether you have never seen a microscope before or if your middle name is microscopy:

- Training and advice for systems tailored to your needs
- Advice on experimental strategies and sample preparation
- · Ongoing support and further training as you use the systems
- Online tutorials and guidelines

### Microscopy and image analysis classes

- Graduate classes: BIO725, BIO727 and a CMB551 module
- · Occasional introductory short-courses for all

### Use ...

- Trained users can access the scopes 24 hr, 365 days
- Online reservations for all systems
- · Convenient, nearby locations
- Trial samples of common reagents
- · Low fees, bulk discounts thanks to support from:



## Suggest ...

- · What new equipment or capabilities do you want?
- · What level of involvement is best for you?
- How can we improve our services?

Zeiss

Laser

Capture

Axio

Observer

Axio

Imager

Stereo-

scope

Leica

DMI4000

Live Cell Live Cell

Station 1 Station 2

### Discover more...

# http://microscopy.duke.edu



Three Humans



6 High-end Sam, Gao,

and Ben

Computers