

# Light Microscopy Training

## Zeiss Axiophot

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The training typically takes 1.5 hours, and covers the use of the microscope and digital imaging with a monochrome and a color CCD camera, based on specific needs.

**If you plan on imaging samples with Biosafety Level 1 (BSL-1) classification, have your PI amend his/her Biosafety permit to include the Building and Room number in the permit, so that when the training is completed, you are able to image these samples in the MIC. The room is not approved for BSL-2 samples.**

Users are given Facility-specific safety instructions. Depending on the nature of the samples, the microscopy training may include:

### **Transmitted light imaging:**

- Bright Field
- Phase Contrast
- Differential Interference Contrast
- Polarized Light Microscopy

### **Reflected Light/Epi-illumination imaging:**

- Reflected Bright Field
- Reflected Differential Interference Contrast
- Reflected Polarized Light Microscopy
- Fluorescence

After the basic training is completed, you may use the microscope independently during normal business hours. Once you gain proficiency in using the instrument, you will undergo a practical check-out test to demonstrate that you can operate the microscope without endangering yourself or the microscope. After successful checkout, you will get access to the online scheduling system, get building access using your university ID card, and a key to the facility for a deposit (\$10.00)