

# **TIRF MICROSCOPE - GETTING STARTED**

- 1) Talk to Doug Robinson, Kris Girard, or Janet Effler in Robinson Lab (Physiology 100) to schedule time and get password.
- 2) Log onto computer.
- 3) Switch on Xenon Lamp (if using).
- 4) Switch on Uniblitz Shutters – check to ensure all channels are turned off before turning switching on power (button in back left corner).

Channel 1 – Transillumination  
Channel 2 – Epi-Fluorescence  
Channel 3 – Laser

- 5) Switch on Microscope Controller (IX2-UCB).
- 6) Switch on Camera Power Supply.
- 7) Open Metamorph software.

# **BEFORE YOU LEAVE THE MICROSCOPE**

- 1) Save your files. Close Metamorph software first before turning off any microscope equipment.
- 2) Clean lenses WITH **LENS PAPER ONLY!**  
Do not use Kimwipes!
- 3) Cover all objective ports.
- 4) Lower objective to base.  
(Pressing the ESC button on the **scope** to do this.)
- 5) Turn off all power supplies to the scope following Shutting Down the Microscope directions
- 6) **COVER SCOPE**
- 7) Transfer your files to a disk or other computer.  
(All files will be erased from this computer weekly.)
- 8) Close all software programs.
- 9) Log off computer.

*Please follow this procedure so that the scope is kept in optimal condition. Failure to care for the scope or computer may result in loss of usage privileges.*

# **SHUTTING DOWN THE MICROSCOPE**

- 1) Switch off Camera Power Supply.
- 2) Switch off Microscope Controller (IX2-UCB).
- 3) Switch off UniBlitz Shutters.
  - Switch all channels to "off" position
  - Turn off power supply
- 4) Switch off Xenon Lamp.

**ALL FILES WILL BE DELETED WEEKLY.**

**TRANSFER YOUR FILES IMMEDIATELY  
AFTER YOU USE THE SCOPE TO  
ENSURE THAT YOU HAVE THEM!**