Cards & Staff Introduction

Last Name, First, Nickname, Phone, e-mail Lab time

Major, Undeclared or Area of Interest?

Academic Status: Fr, So, Jr, Sr, PB, MS, CEP

**Professional Objective** 

Hometown, Birthplace

Why enrolled? Required? Interest?...

Prior related coursework? A&P in high school, EMT,...

Prior Universities/Community Colleges?

Family/Special interests/Hobbies

Something unique about yourself/Secret we won't reveal!

Thanks for printing your name & lab time on Lab notebook.



## BI 121 Lab 1, Histology = Microscopic Study of Tissues

- I. Lab Roster Cards & Staff Introduction
- III. Requirements Attendance, Participation, Worksheets
- III. Histology for Beginners In Memory of Harry Howard

## IV. Microscope Familiarity

- A. Objectives/nosepieces power up!
- B. Focus coarse and fine
- C. Movement mechanical stage
- D. How do I put a slide on the stage?
- E. Adjusting for eye width hooray, hooray, his-tol-o-gy!

V. View & Have Fun! See also photos @ front & scopes in back. Please ask questions & come see us!

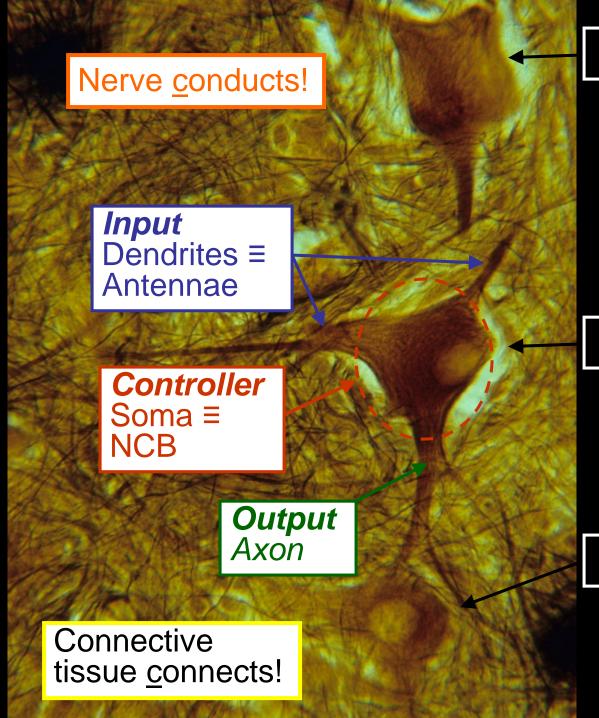
1. Put the e & i slide <u>upright</u> on the microscope tray <u>so you can read it</u> & see how looking through the scope changes what you see.



2. Use the remaining time <u>simply to explore</u> nerve, muscle, epithelial & connective tissues – really anything you want – just be sure to <u>keep the</u> <u>slides in the tray in order!</u> Thanks!

## Histology for Beginners

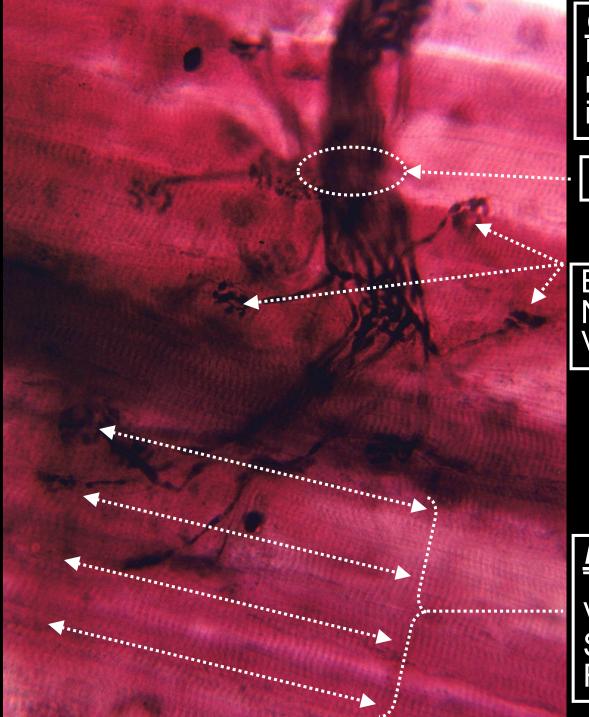
In Memory of Harrison Howard Former Director, Bio-optical Lab



Neuron 1

Neuron 2

Neuron 3

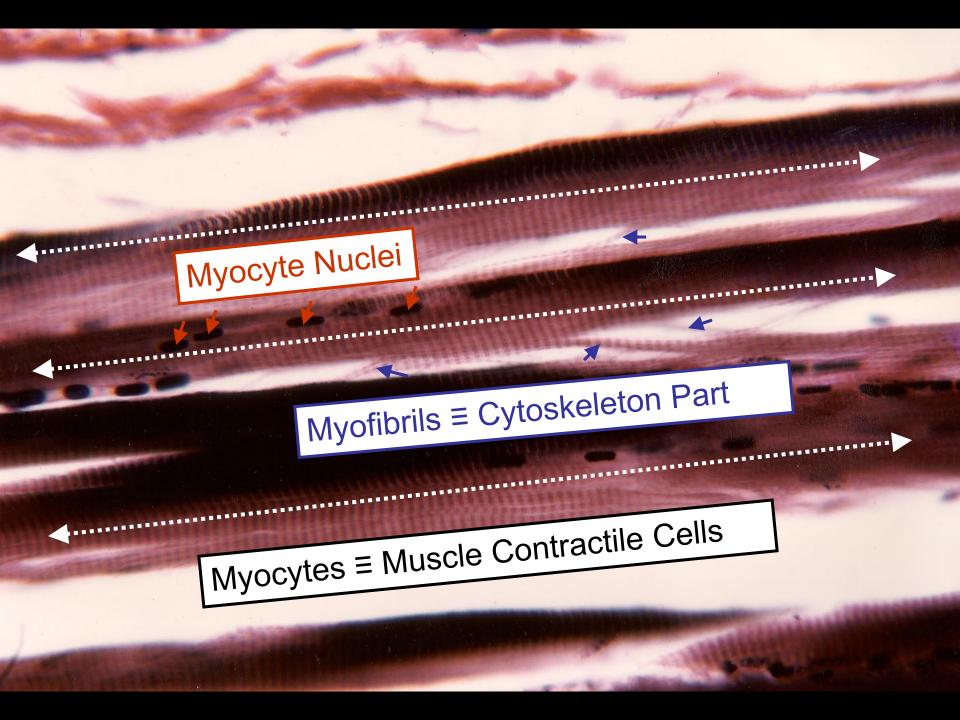


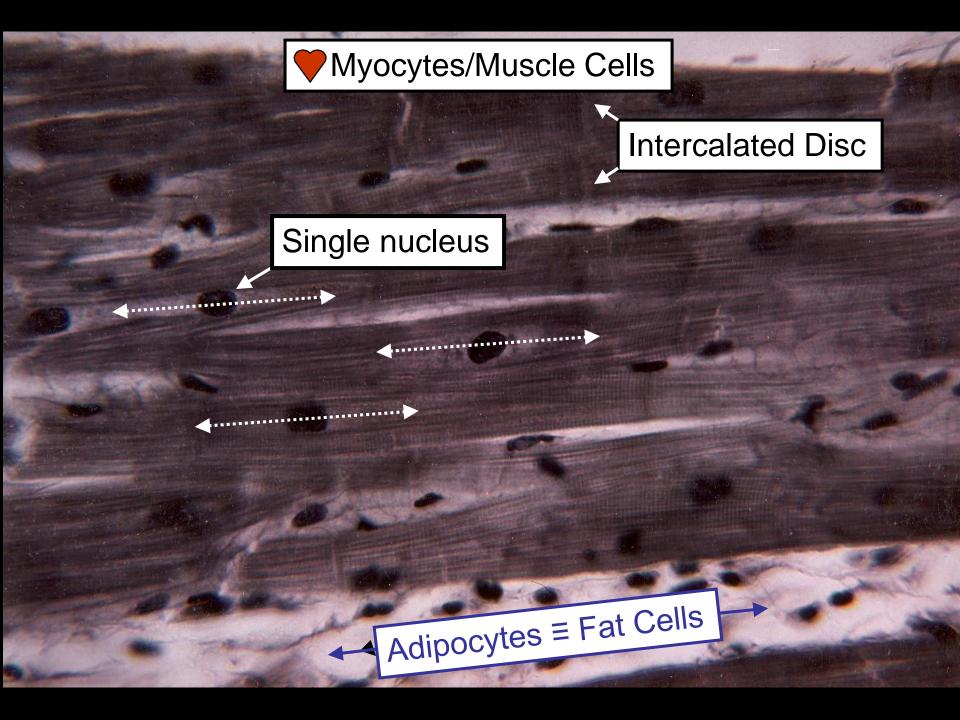
<u>Controllers</u> ≡ NCBs/somas not pictured → in spinal cord

*Output* ≡ Axons

Bouton with Neurotransmitter Vesicles

**Effectors** ≡ Target Organs Voluntary Skeletal Muscle Fibers





**Frog Skin** 

**Blood Vessel** 

**Duct Poison Gland, Exocrine** 

Columnar Epithelium

Melanin Pigment layer

## Columnar Epithelium, Gall Bladder



**Epithelial tissue covers & is specialized for transport!** 

