Cards & Staff Introduction

Last Name, First, Pronouns, Nickname, Phone, e-mail

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.



Lab time

BI 121 Lab 1, Histology = Microscopic Study of Tissues

I. Lab Roster Cards & Staff Introduction

II. <u>Requirements</u> Attendance, Participation, Worksheets

III. <u>Histology for Beginners</u> In Memory of Harry Howard

IV.<u>Microscope Familiarity</u>

- 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

...My what fun it is to see – hooray, hooray, his-tol-o-gy!!

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

0 0

 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.



 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





Controllers ≡ NCBs/somas not pictured → in spinal cord

Output ≡ Axons

Bouton with Neurotransmitter Vesicles

Effectors ≡ Target Organs Voluntary Skeletal Muscle Fibers







Blood Vessel



Melanin Pigment layer

Poison Gland, Exocrine

Duct

Columnar Epithelium, Gall Bladder



Epithelial tissue <u>c</u>overs & is specialized for transport!



Interstitial/ Leydig Cells

Seminiferous tubules

Spermatogonia

Testosterone

Tails of developing sperm

Testis cross section

Nuclei of fibroblasts



Collagen

Connective tissue... connects!!

Connective tissue

Now, try to identify anatomical site & tissues!

