Lab Objectives: Histology

1) Use/define all terminology (bold-faced words) appropriately.
2) Explain the purpose of the exercise.
3) List/describe the general characteristics of epithelial tissues. Be able to use the general characteristics to identify an epithelial tissue from a photograph or slide.
4) For each epithelial tissue, describe it in terms of: number of layers, apical surface cell shape, function in the body and provide example(s) of where it can be found in the body.
5) List/describe the general characteristics of connective tissues.
6) For each connective tissue, describe its anatomy, function and provide example(s) of where it can be found in the body.
7) List/describe the general characteristics of muscle tissues.
8) For each muscle tissue, describe its anatomy, function and provide example(s) of where it can be found in the body.
9) List/describe the general characteristics of nervous tissue.
10) List/describe the different phases of the cell cycle.
11) Identify the different phases on a slide/photograph and describe the events that are occurring.
12) Identify the different anatomical structures of a neuron and describe the functions.
13) Use your histology atlas to aid you identification of tissues, cells, cellular anatomy on photographs and/or slides.
14) Use your labeled diagrams/histology atlas to identify anatomical structures on the models available in lab.