Lab 9 – Large intestine, Liver, Gall Bladder, Pancreas and Salivary Glands
Digital Histology: Digestive System – Tubular (Large Intestine), Major Glands & Oral Cavity (Salivary Glands)

Terms and structures to know:

Salivary glands
- parotid
- submandibular
- sublingual
- serous cell
- serous demilune
- mucous cell

Liver
- hepatocytes
- liver lobules
- portal triad
  - hepatic artery
  - bile duct
  - portal vein (can you distinguish between a vein and lymphatic vessels?)
- central vein
- canaliculi
- sinusoids

Gall bladder – recognize/examine epithelium, lamina propria, muscular layer, and serosa

Pancreas
- acinar cells
- zymogen
- intercalated duct
- interlobular duct
- intralobular duct
- review islets of Langerhans

Examine these slides:

3 – liver, glycogen stain *identify hepatocytes, portal triad (arteriole, vein and bile duct), central vein, sinusoids and canaliculi (this will require 1000X)*

52 – appendix *review; identify layers of wall*

57 – sublingual gland *note mostly mucous cells; identify ducts*

58 – submaxillary gland *note mix of mucous and serous cells; identify ducts and demilunes*

59 – pancreas *identify acinar cells and different types of ducts*

60 – liver, human *see notes for slide 3*

61 – liver, pig *see notes for slide 3*

62 – gall bladder *identify layers in wall, note columnar epithelium & absence of muscularis mucosae*

63 – parotid gland *note mostly serous cells; identify ducts*

64 – gall bladder, cross-section *see notes for slide 62*