**Items to Identify: Cell Structure III**

**Slides to Identify**

* Slide 156:
  + Secretory droplets of pancreatic cells
  + Mitochondria
* Slide 226: Heart, endocardium
  + Lipofuscin granules (yellow)
* Slide 432: Lung with bronchi
  + Lipofuscin granules (dark)
* Slide 492: Peripheral ganglion, monkey
  + Lipofuscin granules (dark)

**EM’s to Identify**

* EM 1: Pancreas
  + Cell inclusions: zymogen granules
* EM 2: Liver
  + Glycogen
* EM 2b: Liver, cytoskeletal elements
  + Cortical microfilaments, intermediate filaments, microtubule
* EM 4: Apical surface of intestine
  + Brush border, microvilli, terminal web
  + Cell inclusions: secretory droplets, chylomicrons, lipid droplets (clustered)
* EM 4b: Intestinal absorption cell
  + Brush border, microvilli, microfilaments, terminal web
* EM 4c: Intestinal absorption cell (super nuclear region)
  + Primary lysosomes in Golgi region
* EM 6a: Centrioles and microtubules (insect spermatocyte)
  + Stable and labile microtubules
* EM 6b: Cilia and basal bodies in cross section (monkey oviduct)
  + Cilia and basal body cross sections
* EM 6c: Cilia and basal bodies in longitudinal section (monkey oviduct)
  + Cilia and basal body longitudinal sections
* EM 8h: Macrophage
  + Heterophagic vacuoles
* EM 10c: Postganglionic neuronal cell body in an Auerbach’s plexus
  + Dense intermediate filaments
* EM 10d
  + Neurofilaments (intermediate filaments) and microtubules of both myelinated and unmyelinated axons
* EM 14: Stomach (chief cells)
  + Cell inclusions: secretory granules
* EM 19c: Sertoli cell
  + Microtubules
  + Lipid droplets, heterophagic vacuoles
* EM 20: Testis (Leydig cell)
  + Lipofuscin granules (dark)
* EM 21: Ductus deferens
  + Swirl of endoplasmic reticulum, golgi apparatus
* EM 24: Corpus Luteum
  + Non-clustered lipid droplets
* EM 25: Ovary
  + Crystalloid inclusion