

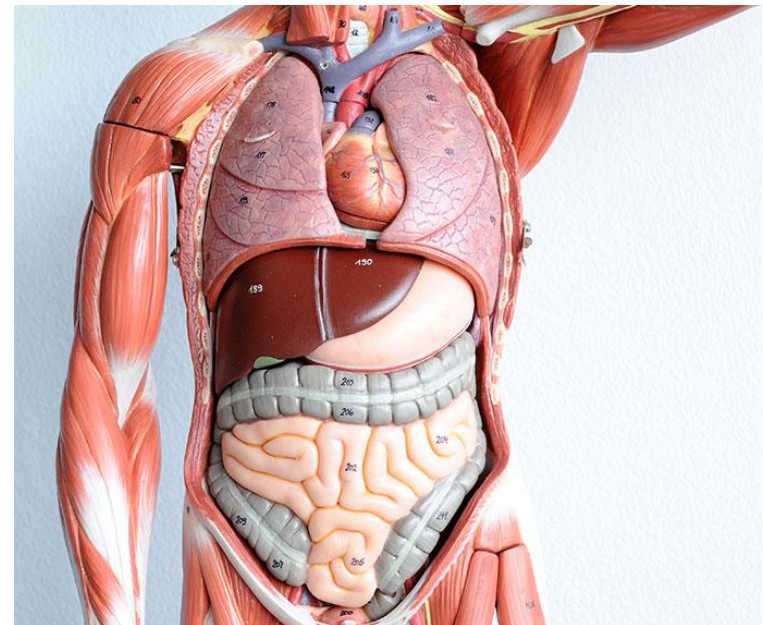


Dual Program Level 1
Human Anatomy

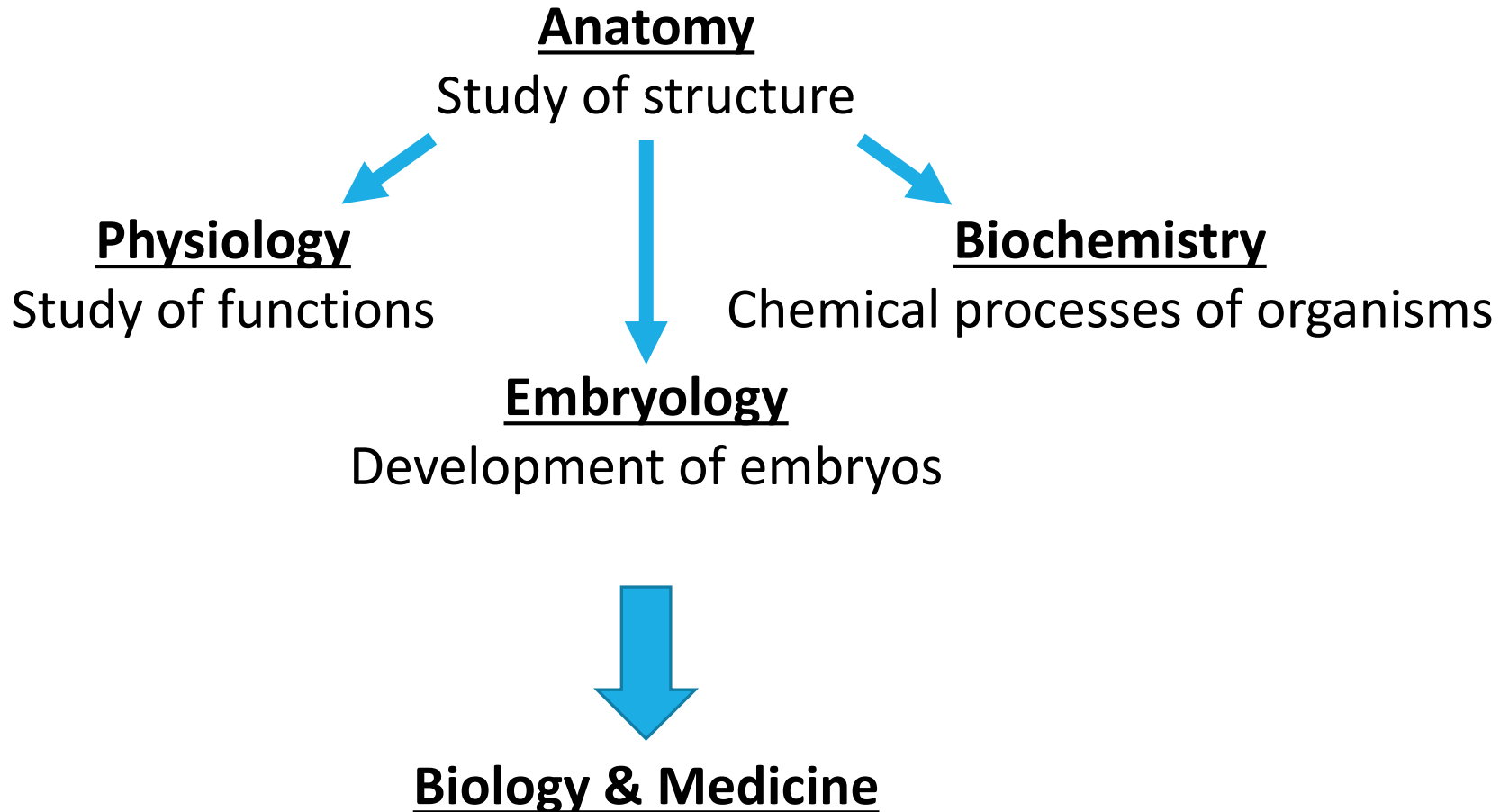
Dr. Amy Li

Terminology

- **Anatomy:** The study of the body structures & their physical relationships
- **Physiology:** The study of the functions of body structures



Importance of Anatomy



Classification of Anatomy

■ Gross anatomy

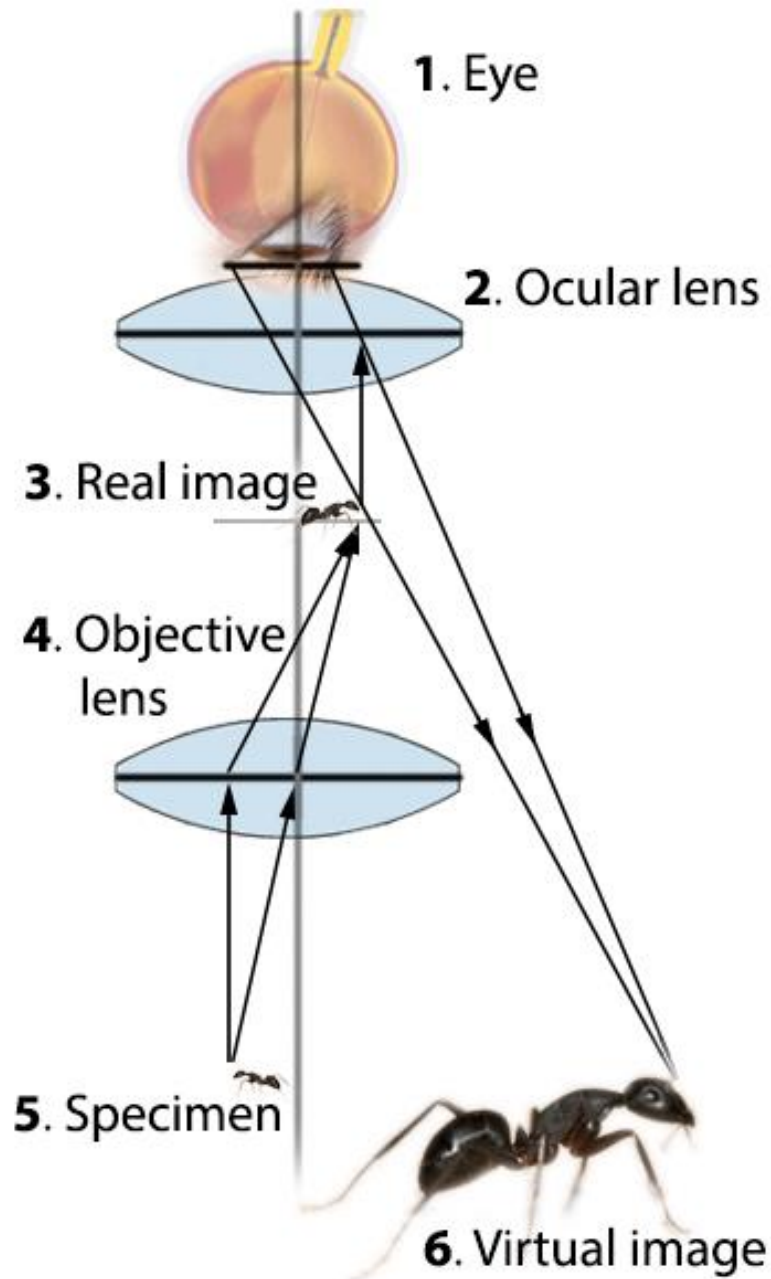
- Structures that can be seen by the naked eye
 - 1) Surface anatomy: The external body
 - 2) Regional anatomy: Specific regions of the body
 - 3) Systemic anatomy: Specific organ systems

■ Microscopic anatomy

- Structures that cannot be seen by the naked eye, but with microscope
 - 1) Cytology: Study of cells
 - 2) Histology: Study of tissues

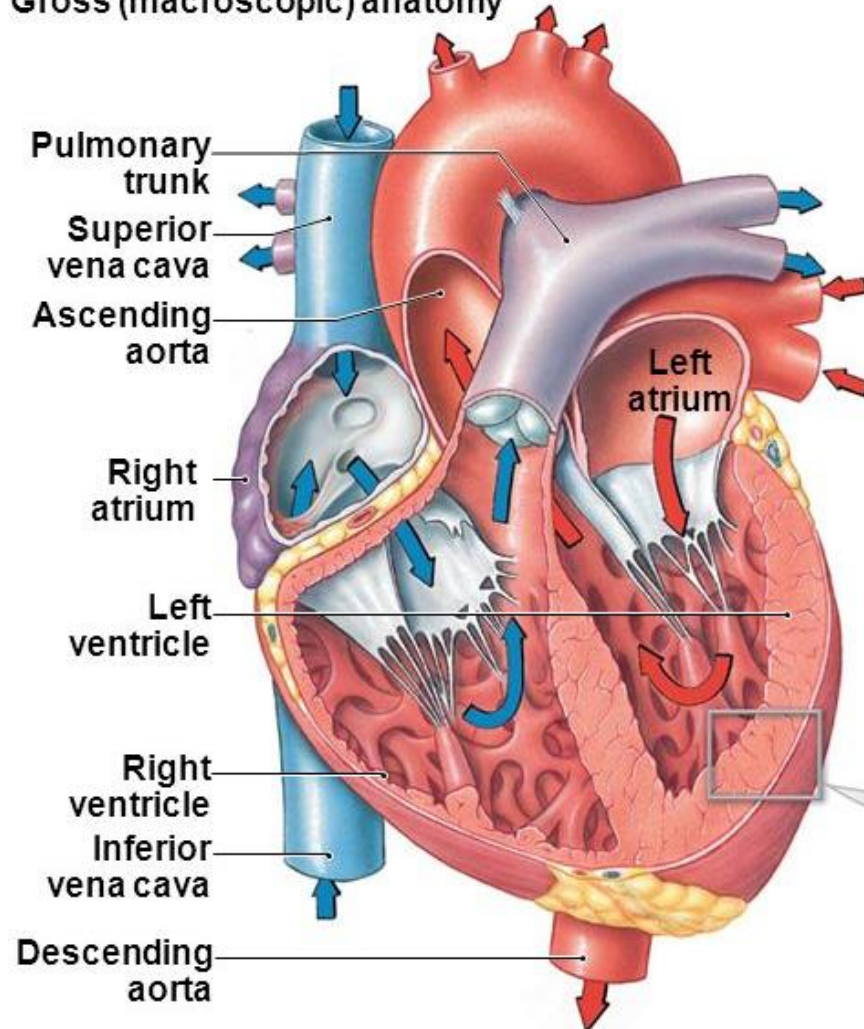
Light microscope



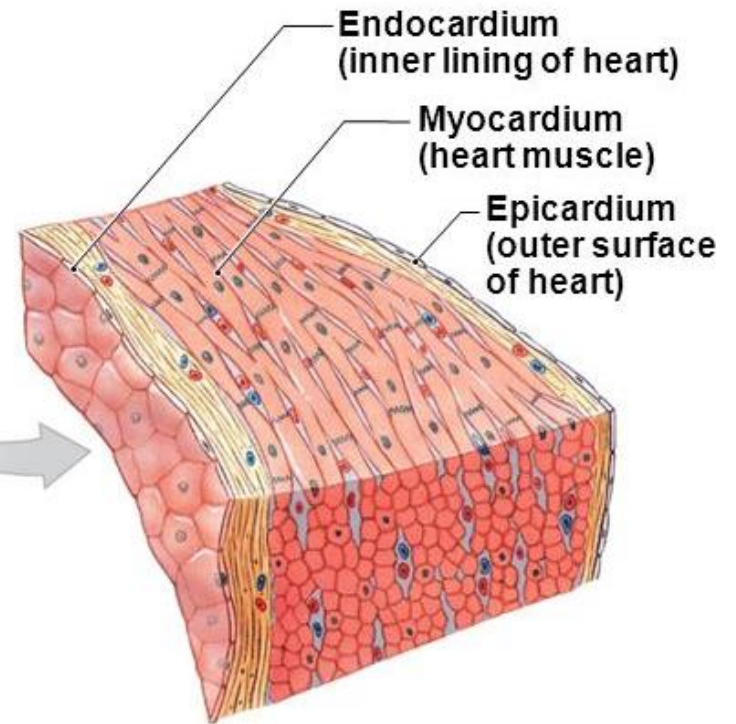


- Use of 2 convex lens
- Total magnification = Ocular X Objective
- Inverted image

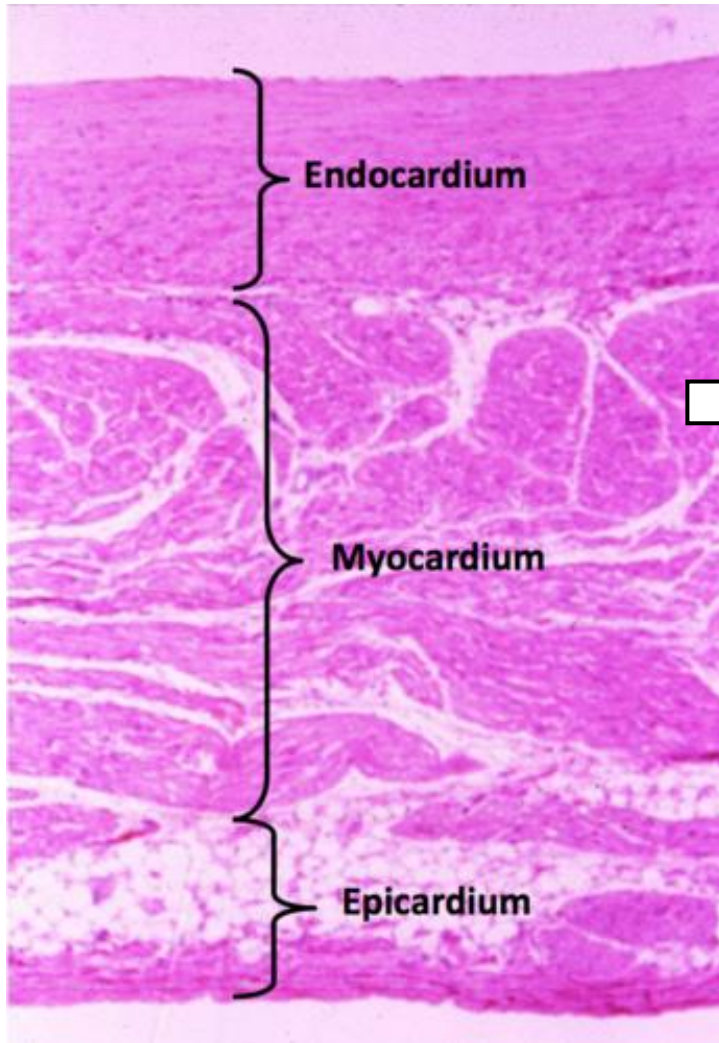
Gross (macroscopic) anatomy



Microscopic anatomy



Histology



Cytology

Cardiac muscle

