

4. Cardiac Function and Metabolic Ceilings

Marguerite Butler

2023-09-11

This week we will learn more about cardiac morphology, function, and regulation. There are multiple very short (but important) readings, and some longer readings to skim. Don't worry about understanding every detail in the readings, but rather look over the discussion questions first and hunt through the readings for those topics, skimming over the rest. *These are going to be important topics for the next few labs.*

Pre-class materials

Read ahead

Before class, you can prepare by reading the following materials:

1. Monday we will finish heterothermy and start cardiac function. Wednesday cardiac regulation [[Heart Discussion Questions and readings](#)]
2. Friday we will discuss [[Metabolic Ceilings](#)]

Announcements/Reminders

- Please wear **comfortable shoes to lab** for running up and down stairs.
- HW1 solutions are posted on window of EDM101 lab.
- HW2 due in class (hard copy preferred) or on Laulima by midnight.
- [[Design Background](#)] Due **Wednesday in hardcopy**. 10 points. Chance to revise by Friday.
- Do discussion TEAMMATES eval, released each Friday, do by Monday.

Week 4 Discussion Groups

| Group | Partner 1 | Partner 2 | Partner 3 |
|-------|-----------|-----------|-----------|
| 1 | Adry | Krystal | Sasha |
| 2 | Logan B | Anna | Kirsten |
| 3 | Justin | Maisie | Kylie |
| 4 | Mayuka | Garrett | Logan M |
| 5 | Alvin | Richard | Matt |
| 6 | Morgan | Christina | |

Monday

- Finish up Heterothermy [questions 3,4] [slide deck]
- Cardiac Cycle Q1,2 [slide deck]

Wednesday

- Cardiac Function/Regulation Q3-6

Friday

- Paper discussion

For Next Time

i Reminders and materials