Lab 5: Physiology of the *in situ* Toad Heart

Marguerite Butler

2024-10-01

Table of contents

Before Lab **1**
In Lab: 1
After Lab: 2

Before Lab

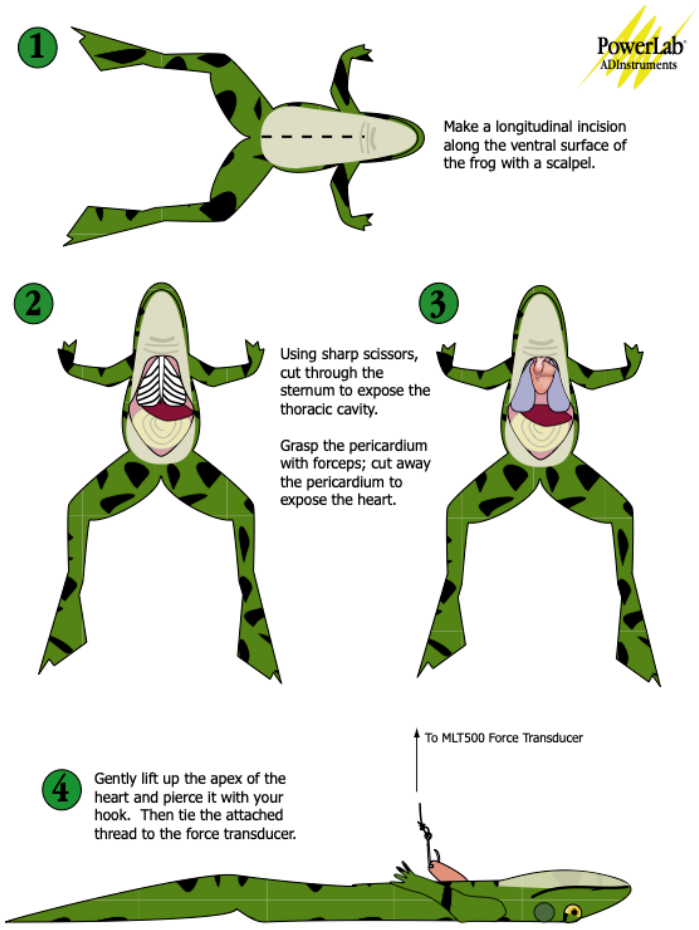
Prepare for lab by:

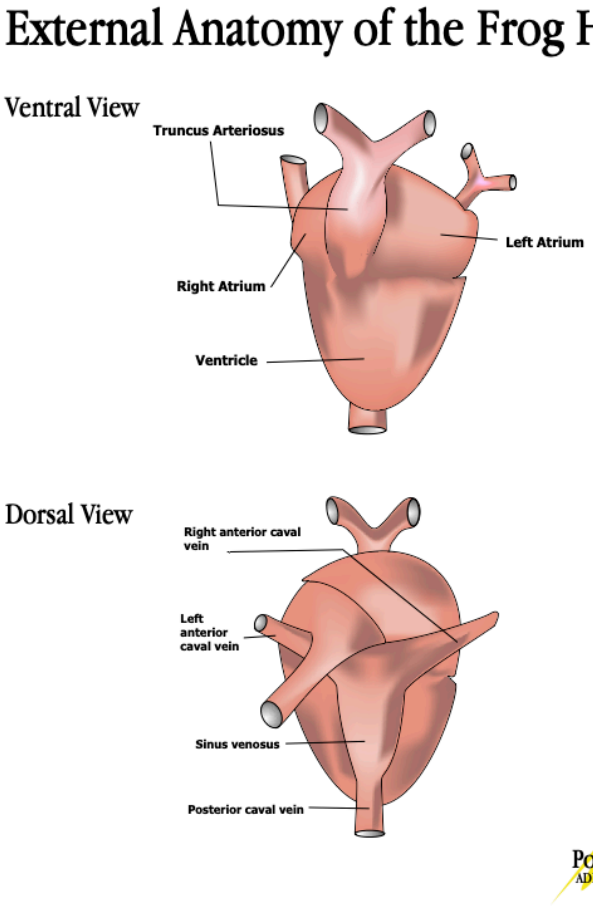
- This will be our first dissection lab. It s really cool!
- **Wear shoes to lab**, and bring your dissecting kit (if you have one, otherwise we have supplies). Lab coat is not required but you are welcome to wear one if you wish.
- Read the lab manual for this week s experiment [Lab 5] exploring the physiology of the toad heart using ECG and a force transducer.

- Write the [Prelab] in your lab notebook.
- Do Quiz on Laulima (open 24 hrs before lab).

In Lab:

- Lab 5 manual [pdf] [docx]. Record data in your lab notebook. Use the guidance at the end of the lab manual to analyze your data in preparation for your results and discussion.
- Dissection guide [pdf]
- Toad heart anatomy. Note that amphibians have a 3-chambered heart! Two atria and one ventricle. [pdf]





After Lab:

- Individual Work Sheet due next week [pdf] [docx]
- You will include statements of purpose (section 1), concept check (section) 2), mini results (section 3), and a regular discussion. On this lab WS, put a little more effort into the discussion. For each section we ask for, always follow the content guidelines: [grading guidelines]
- You are encouraged to analyze data with your lab members, and may develop figures together, but all writing must be your own work.