

M3D2:

Pitch research proposal presentation ideas

1. Prelab discussion
2. Present research ideas to your classmates
3. Refine research proposal idea



Format for Research Proposal pitches

- Order will be determined according to volunteerism
- Format is ~5 minute 'elevator pitch'
- Pitch should include:
 - What is the important context regarding the problem that will be addressed?
 - How will your approach solve the problem?
 - What methods / experiments / techniques will you use in your approach?
- Open discussion will follow with questions from peers and instructors

Use pitch feedback to refine your proposal

- What problem will you solve?
- How does your solution relate to biological engineering?
- What components should be included in your proposal?
 - **Background / overview**
 - **Research question / goal**
 - Specific aims
 - Experimental approach (for each aim)
 - Alternative approaches (for key experiments)
 - Societal / ethical implications
 - Summary

Define co-investigator roles for your team

"Science is a collaborative effort. The combined results of several people working together is often much more effective than could be that of an individual scientist working alone."

- John Bardeen (only person to receive the Nobel Prize in Physics twice, 1956 and 1972)



For today...

- Research proposal pitch
- Advice from your Undergraduate TA (Favour)
- Continue to work on Research Proposal presentation with your co-investigator
- **Define tasks for each co-investigator**

For M3D3...

- Use question prompts and feedback from pitch discussion to refine proposal idea