

# 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 do you propose to solve the problem?
  - What methods / experiments / techniques might you use in your approach?
- Open discussion will follow with questions from peers and instructors

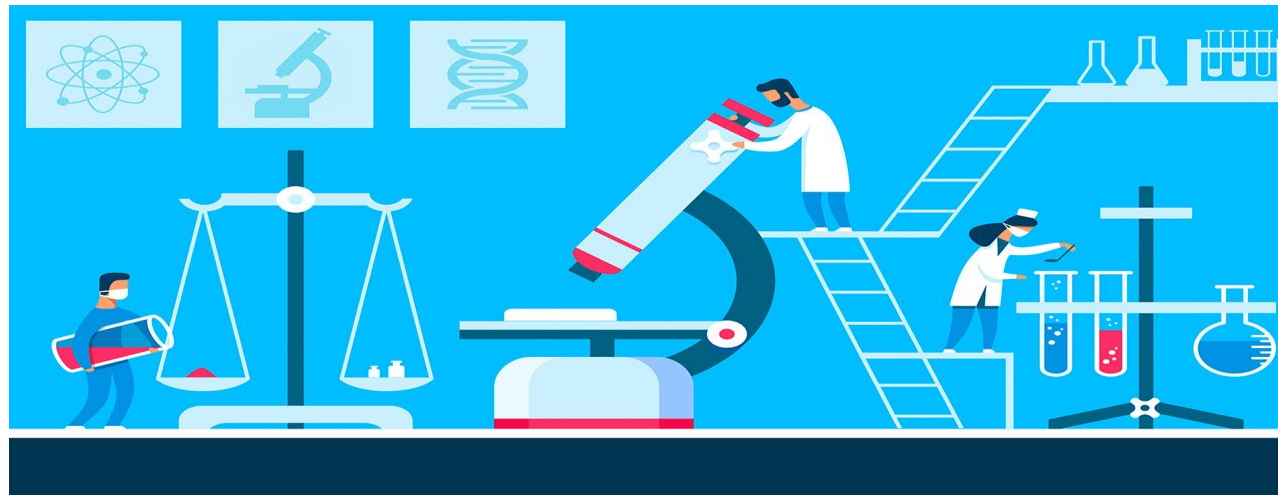
# Use pitch feedback to refine your proposal

- 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...

- Continue to work on Research Proposal idea with your co-investigator
- Define tasks for each co-investigator

## For M3D3...

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