

## EPFL BIOENG-456

### Spring semester

Professor Pavan Ramdya

### Overview

For your presentation, you will be asked to give a ~20 minute presentation of the study and then to lead ~5 minutes of discussion regarding the results and approach. Please prepare a series of slides on Powerpoint (\*.pptx), or Keynote (\*.key). **Slides on the Cloud or on pdf are discouraged if there are Supplementary Videos which are important for understanding the paper.** These slides must be submitted on the morning before the presentation by 11AM at the latest. Each group member will be expected to contribute to developing the slides, giving the presentation, and leading the discussion. The presentation grade will be shared by all group members.

### Organization

The slides should include at least all of the following points:

#### ~20 minutes of paper presentation:

- 1) Title (1 slide) -
  - a) Title of the paper, authors, journal, and year.
  - b) Include your names and the course name.
- 2) Background (1-3 slides) -
  - a) Put the current paper into scientific context.
  - b) What important findings and studies came before this one?
  - c) What are the ongoing controversies?
- 3) Focus on the Questions to Consider from the paper (most of the slides)-
  - a) Use the figures (not necessarily in the order the figures were presented) to tell a coherent story about what the authors did to address these questions.
- 4) Summary (1-3 slides) -
  - a) What are at least 3 “take-home” messages from the paper?
  - b) What do we know now that we didn’t know before the study was performed?
- 5) Critique (1-3 slides) -
  - a) What are at least 3 conceptual or methodological weaknesses of the study? Do these weaknesses make it impossible to draw the authors’ conclusions?
  - b) For example, is the choice of experimental model or tools appropriate? Would another experimental model or tools have been more appropriate?
  - c) What future work would you suggest as follow up experiments?

### Grading criteria

The presentation should be:

- 1) Deep - Know the study. You should have a strong command of the paper including its Methods section. You will need to know enough to answer questions from your peers.
- 2) Clear - You should provide the most critical information in a sequence that presents a story. You should use words that clearly convey what you want to say.
- 3) Concise - Stay on time. You have ~20 minutes to present your paper and ~5 minutes to guide discussion/questions. Have a clear idea of what you want to say beforehand.