

Creating your Research Proposal Presentation

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Overview

- Goals and components of the Module 3 Presentation
- Dividing up the presentation
- Delivering the presentation with your partner
- Questions to ask yourselves: organization, slide design, delivery

Goals for your presentation

How can you make your proposal compelling?

- Convince audience that project is worth doing
- Convince audience that you can do it
- Assume that your audience comprises:
 - experts in your topic
 - intelligent non-experts with exposure to your field

Useful tips on creating funding proposals at http://www.wwu.edu/depts/rsp/insideview.pdf

Components of the presentation

- brief project overview
- sufficient background information for everyone to understand your proposal
- statement of the research problem and goals
- project details and methods
- predicted outcomes if everything goes according to plan and if nothing does
- needed resources to complete the work
- societal impact if all goes well

Dividing up the presentation: general principles

- Each partner should speak roughly the same amount of time
- Audiences will assume change in speakers corresponds to change in topic -- don't confuse them
- Changing speakers can distract audience/slow the talk down -- keep shifts to a minimum
- How you choose to divide the talk depends on the shape of your presentation -- many different options!

Dividing up the presentation: Option 1 (Down the Middle)

Speaker 1:

- brief project overview
- sufficient background information for everyone to understand your proposal
- statement of the research problem and goals

Speaker 2:

- project details and methods
- predicted outcomes if everything goes according to plan and if nothing does
- needed resources to complete the work
- societal impact if all goes well

division assumes that Part I is roughly as long as Part II

Dividing up the presentation: Option 2 (The Sandwich)

Speaker 1:

Speaker 2:

- brief project overview
- sufficient background information for everyone to understand your proposal

context=bread

 needed resources to complete the work

societal impact if all goes well

- statement of the research problem and goals
- project details and method
- predicted outcomes if everything goes according to plan and if nothing does

experiment nuts & bolts =
filling

Dividing up the presentation: Option 3 (Back and Forth)

Speaker 1:

brief project overview

each partner speaks long enough to establish flow

- project details and methods
- predicted outcomes if everything goes according to plan and if nothing

sufficient background information for everyone to understand your proposal

Speaker 2:

- statement of the research problem and goals
- needed resources to complete the work
- societal impact if all goes well

More options (for specific kinds of projects)

- Two discrete research questions OR
- Two discrete methods
 - each partner follows one strand
 - introductory and concluding material each presented by a single partner
- Other possibilities, depending on the particulars of your material

Help focus the audience's attention on the right speaker

- During overview, identify who will speak on what topic
- Review/Preview as you proceed through the talk
 - Articulate transitions explicitly -- "hand off"
- Only one partner "onstage" at a time
 - If you're not speaking, don't hover nearby
- Do not interrupt each other

Rehearse as a team

- Note timing of each section and of talk as a whole
- Practice moving into speaking position at transition points
- Will you advance each other's slides?
- Aim for similar speaking styles
 - don't imitate each other, but match your formality levels
- Familiarize yourself with partner's material
- Practice Q&A

Cite as: Angela Belcher, Drew Endy, Natalie Kuldell and Agi Stachowiak. Course materials for 20.109 Laboratory Fundamentals in Biological Engineering, Fall 2007. MIT OpenCourseWare (http://ocw.mit.edu), Massachusetts Institute of Technology. Downloaded on [DD Month YYYY].

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Questions to ask yourselves about organization

- Does our talk fit together as a coherent whole?
- Are all sections of the talk adequately developed?
 - Do we have a focused, well-defined hypothesis?
 - Is it clear what is going to be done and how?
 - Have we realistically articulated the scope of the work?
- Have we omitted extraneous material?
- Will our project fire up an audience's interest?
- What might make this proposal more convincing to a funding body?

Questions to ask yourselves about slide design

- Is everything on the slide readable?
- Are our slides a good balance of text and figures?
- Have we chosen clear, specific titles that express the main point of each slide?
- Is the design/format of our slides consistent, or were they obviously designed by different people?

Questions to ask yourselves about delivery

- Can we get through our whole presentation in 10 minutes?
- Do we know where to position ourselves, and how to coordinate our shifts smoothly?
- Do our speaking styles work well together?
- Are we making the transitions between topics and speakers clear to the audience?

Questions to ask us?