



# ***Lecture Notes for Life Science Grant Proposals***

*A guide for isolated,  
frustrated, and confused life  
science academics.*

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# Summary Outline

- Common Errors
- Story Telling
- Writing
- Some Proposal Pieces

# What Are Some Common Grant Proposal Errors?

- Errors of Detail
  - Easy to Fix
- Errors of Writing or Content
  - Not Easy to Fix

# Why are most detail errors in grant proposals easy fixes?

*Answer:* They are not part of the story.

*Solution:* Paying attention to the details pays off.

# Examples of Detail Errors

- Mission & Research Mismatch
- Formatting
  - Fonts, Margins
  - Length, Word Count

*Did you research the funding program?*

*Did you read the guidelines?*

# More Examples of Detail Errors

- Mechanics
  - Typos
  - Spelling
  - Grammar
- Budget Math
- Omissions

*Did you forget something?*

# Avoiding Common Detail Errors

- Read the grant guidelines.
  - Read them again.
  - Repeat *ad infinitum*.
- Edit your proposal.
- Proofread your proposal.

***Did you call or email the program officer?***

# Always Call the Program Officer!

- Name Recognition
- Project Recognition
- Ask Questions

***Questions! What to ask the program officer?***



# Questions for the Program Officer

- Specifics of Award Program
- Application Issues
- Unique Situations

**More research never hurts.**

# Need More Information?

- Search Databases.
  - Federal
  - Foundation
- Read Reports.
- Read Grant Guidelines **Again!**

*Are you ready to tell your research story?*

# Why are writing or content errors harder to fix in science research grant proposals?

*Answer:* Scientists do not tell great research stories.

*Solution:* Learn from the wider nonprofit community how to tell great stories.

# Three Nonprofit Story Lessons for Scientists

- Tell stories showing how your research overcomes some challenge.
- Tell stories that show your creative solutions to research questions.
- Tell stories connecting your research to a bigger picture.

***Why are these types of stories important in science grant proposals?***

# Science Storytelling: A Big Hint

- Great research proposals have elements of all three types of stories.

*How can I improve my writing skills?*

# Fixing Storytelling and Writing Errors

- Keep your writing
  - Clear
  - Crisp
  - Concise
- Simplify your writing
  - Simpler Words
  - Shorter Phrases
  - Shorter Sentences

*How do I start writing a grant proposal?*

# Beginning Your Research Story

- Review the pertinent papers.
- Develop your hypothesis.
- Outline your ideas.
- Draft a proposal summary.
- Draft the budget.

*Why draft the budget so soon?*

# Beginning Your Research Story

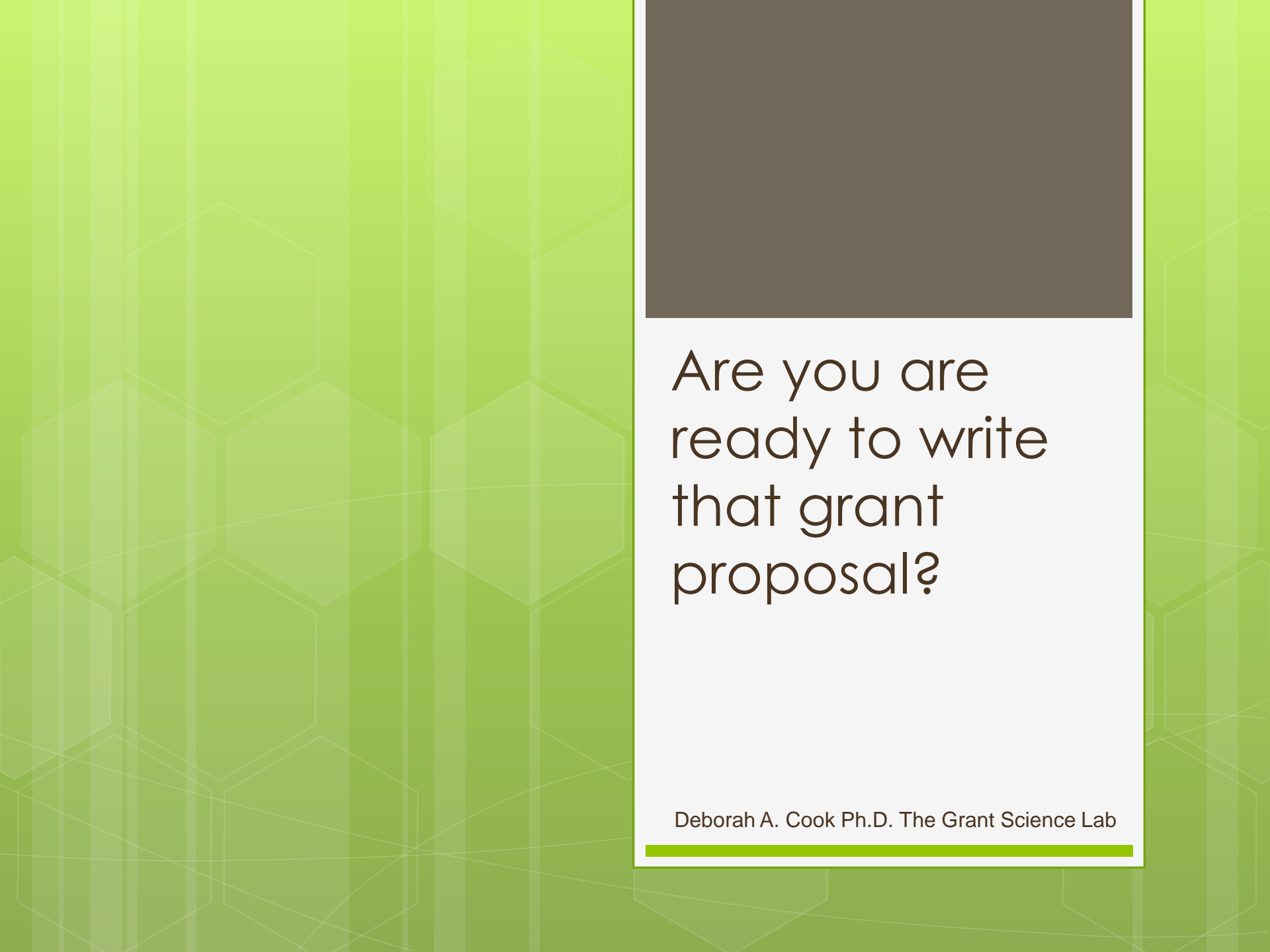
- Research stories require money.
  - Money frames the **scope** of your proposed research.
  - Budgets can be revised.
- Scope Specifies
  - Resources
  - Time

*Why is scope so important?*



# Defining Your Research Focus

- Scope reorients you toward your hypothesis.
- Your hypothesis frames your **specific aims**.
- Your specific aims define your **proposed experiments**.



Are you are  
ready to write  
that grant  
proposal?

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