

# Research in Action Podcast Instructor Guide

Use the following episode description, learning objectives, guiding questions and activity suggestions to more easily include “Research in Action” podcast episodes as a supplemental resource for your course.

# Todd Campbell on Managing Large Research Grants [33:14]

## Research in Action - Episode 28

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### Podcast and Episode Information

“Research in Action” is a weekly podcast about topics and issues related to research in higher education featuring experts across a range of disciplines.

On this episode of the podcast, the guest Dr. Todd Campbell, an Associate Professor of Science Education in the Department of Curriculum and Instruction at the University of Connecticut. His research focuses on teaching and learning in science education. More specifically, cultivating classroom versions of scientific activity through modeling as an anchoring epistemic practice, technology tools in scientific activity, and science teacher professional development. Dr. Campbell is the PI for a National Science Foundation (NSF) Discovery Research K-12 project focused on science teacher professional development.

Cumulatively, he has been PI for approximately \$6,000,000 in research funding and has published in numerous journals including the International Journal of Science Education, Review of Research in Education, and Research in Science Education, and has served as guest editor of the Journal of Science Education and Technology, and National Science Teachers Association’s journal The Science Teacher

*Segment One* [00:00-11:14] - In this segment, Todd discusses some of the ways that he prepared to apply for large research grants.

*Segment Two* [11:15- 23:31] - In this segment, Todd shares some best practices and strategies for managing large research grants.

*Segment Three* [23:32-33:14] - In this segment, Todd shares some of the lessons he has learned through his grant writing experiences.

*Bonus Clip #1* [00:00-5:23]: Challenges in Applying for Large Research Grants

Show notes and a transcript for this episode can be found at:

<http://ecampus.oregonstate.edu/research/podcast/e28/>

### Learning Outcomes

By listening to this episode, students will be able to:

- Describe an example of the application process for a large research grant
- Discuss planning considerations for 3-5-year research grants
- Discuss considerations with large research grant planning as it relates to a researcher’s professional trajectory
- Review Dr. Campbell’s suggestions for large research grant management and organizational strategies
- Identify benefits and challenges in apply for large research grants

### Guiding Questions for Listening

- What suggestions does Dr. Todd Campbell offer to those preparing to apply for a large research grant?
- What does Dr. Campbell mention was a helpful experience with regard to grants during his doctoral program?
- According to Dr. Campbell, what appear to be some important considerations when applying for a 3-5-year grant?
- How might a researcher’s professional trajectory be a factor in the pursuit of large grant opportunities?
- What organizational strategies does Dr. Campbell offer for managing large research grants?
- In one of Dr. Campbell’s experiences, how did multiple iterations of a grant proposal prove to be helpful?
- What are some potential benefits of working with a sample grant proposal?
- Why might it be important to set objectives and prepare role statements within a large research grant team?
- According to Dr. Campbell, what types of institutional support appear to be valuable in grant management?
- According to Dr. Campbell, what is the hardest part in applying for large research grants? (See also, Bonus Clip #1)

## Possible Activities

- Ask students to visit the show notes for this episode (<http://ecampus.oregonstate.edu/research/podcast/e28/>) and look at an additional resource that is linked in connection with this episode. Students can write a short review of that resource to share with their peers
- Ask students to visit the show notes for this episode (<http://ecampus.oregonstate.edu/research/podcast/e28/>) and post an additional resource connected to the content of the episode in the comments section.
- Have students share questions that are raised for them based on the content of this episode. What would they ask Dr. Todd Campbell if they could?

## Suggested Citation (APA, 6th edition)

Linder, K. (Producer/host). (2016, October 10). *Dr. Todd Campbell on Managing Large Research Grants* [Audio podcast]. Retrieved from <http://ecampus.oregonstate.edu/research/podcast/e28/>

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## Notes

## About the Research in Action Podcast

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“Research in Action” (RIA) is a podcast about topics and issues related to research in higher education featuring experts across a range of disciplines. Episodes are posted weekly and include guest interviews and occasional solo episodes. Guests are from a range of higher education institutions and share their expertise on qualitative, quantitative and mixed methods as well as their personal experiences as researchers, research and writing practices, organizational and productivity strategies, and much more. Some weeks, bonus content will also be posted.

“Research in Action” is hosted by [Dr. Katie Linder](#), research director for Oregon State University Ecampus.

Visit the podcast website to view [show notes and transcripts for each episode](#), explore our [episode guide](#), learn more about how to [contact us](#), or [suggest a future guest or topic](#).

You may subscribe to the [“Research in Action” RSS feed](#) or access the podcast via [iTunes](#), [Soundcloud](#) or [Stitcher](#).

“Research in Action” is also listed on [MERLOT](#).

The “Research in Action” podcast is a resource funded by Oregon State University Ecampus – ranked top ten in the nation for online education two years running by U.S. News & World Report. OSU Ecampus has more than 45 degree programs and more than 1,000 classes online.

## Contact

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