Grants and Innovation – A Great Match

February 15, 2018
Webinar will begin at 3pm ET
Webinar Details

• For this webinar you will be in listen only mode using your computer or phone
• Please ask questions via the question window
• This webinar is being recorded – you will be sent a recording link

Disclaimer: This material is based upon work supported by the National Science Foundation under Grants # 1205077 and # 1261893. Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

Brought To You By:

**CCTA | CENTERS COLLABORATIVE FOR TECHNICAL ASSISTANCE**

With Additional Support by the ATE Collaborative Impact Project

**ATECENTERS**
The CCTA is led by:

- **National Center for Convergence Technology (CTC)** at Collin College in Frisco, TX (lead)
- **South Carolina ATE National Resource Center (SCATE)** at Florence Darlington Technical College in Florence, SC
- **Florida ATE Center (FLATE)** at Hillsborough Community College in Tampa, FL
- **Bio-Link Next Generation National ATE Center for Biotechnology and Life Sciences (Bio-Link)** at City College of San Francisco in San Francisco, CA
CCTA Purpose

• Respond to a request from the Department of Labor (DOL) to the NSF to have ATE Centers provide technical assistance services to DOL TAACCCT grantees
• Activities relevant for DOL grants, NSF grants and workforce-oriented programs of all kinds
• Deliverables
  – Topical webinars on existing and new solutions
    • Live/recorded with attendee Q&A
  – Identify and document best practices
  – Host convenings
Poll #1: Your Affiliation

A. I am involved with an NSF grant
B. I am involved with a TAACCCT grant
C. Both
D. Neither
Poll: How many people are listening with you?

A. None
B. 1
C. 2
D. 3 or more
TODAY’S PRESENTERS

Dr. David Campbell
Presenter
Lead Program Officer;
National Science Foundation

Ann Beheler
Presenter
Principal Investigator (PI);
National Convergence Technology Center (CTC)
National Science Foundation ATE

• Latest solicitation is 17-538

• It can be found here
Solicitation Highlights

• Tracks, all focused on technician education
  – Projects
  – Centers
  – Targeted Research
Project Highlights

• Approximately 20-25 new awards, ranging from $75,000 to $200,000 per year and having a duration of up to three years (maximum budget not to exceed $600,000, including ATE-CN).

• Small grants for institutions new to the ATE program: approximately 12-20 awards for up to $225,000 (each) typically spread over three years. It is expected that the budget request will match the scope of the project.

• Adaptation and Implementation: approximately 10-15 awards each totaling $300,000 to $400,000 typically spread over two to three years.

• Instrumentation Acquisition: approximately four awards each totaling $400,000 to $500,000 typically spread over two to three years.
Center Highlights

• Funding will be $5 million spread over five years, with the possibility of a competitive grant renewal for $5 million over an additional five years. It is expected that 1-2 awards may be made each year.

• Resource centers: funding will be $600,000 spread over three-years with the possibility of a competitive renewal for an additional three-years. It is expected that one to two awards may be made each year.

• Planning Grants for Centers: one to two new awards for up to $70,000 (each) to develop well-formulated plans for a future center.
Targeted Research Highlights

• On technician education

Up to 5 new awards, ranging from $150,000 total for up to two years to $800,000 total for up to three years.
INNOVATION

- A new method
- A new idea
- A new product

But what does that mean in terms of NSF ATE proposals?
What is the Need?

• The Need may be something totally new such as the need to support an emerging technology
  
or

• The Need may be something new to your college or group of colleges that has evidence of having been successfully implemented elsewhere; this may be an adoption/adaptation to fit your needs
Business/Industry Involvement

- B&I validate that the need identified fits with their needs
- B&I document their commitment to help with the work
How Will You Address the Need?

• Goals and Objectives (and activities to reach them) address how you plan to meet the need
• Roughly 3-4 goals with associated objectives
• Consider having SMART goals
  – Specific
  – Measurable
  – Agreed-upon
  – Relevant
  – Time-based
How Will You Document Your Qualifications?

• Principal Investigator background is key
• Up to 4 Co-Principal Investigators who also must show qualifications

Details concisely listed in personnel bio-sketches
How Will Your Work be Evaluated?

• 3-4 key research questions
• What evidence will you collect? Data gathered by your team and the external evaluator not connected to your college
• What difference will your work really make?
• Who is your planned evaluator?
• Evaluation Report

Names and details matter
How Will You Share/Disseminate Your Work?

• Website?
• Social media?
• Conference presentations? Which ones?
• Publications?

Details matter
ATE Proposal Preparation Template

- Meant to provide a framework for proposal preparation
- Enter notes/phrases/sentences in the “boxes” when you have them
PAPPG IMPLEMENTATION

• October 30, 2017 – Released to the community

• January 29, 2018 – Effective date
PAPPG SIGNIFICANT CHANGES

- Revises eligibility standards to:
  - Add a new subcategory for Institutions of Higher Education
  - Revises the eligibility of foreign organizations
  - Solicitations can add more restrictive language
PAPPG SIGNIFICANT CHANGES (CONT’D)

• Increases the budget justification from three-page limit to five-page limit

• Implements current pilot on Collaborators and Other Affiliations (COA)
  - COA template will now mirror content of PAPPG
  - New footnotes have been added to address frequently asked questions
  - More expansive FAQs are available at:
PAPPG SIGNIFICANT CHANGES (CONT’D)

• Specifies that the Project Description must contain, “as a separate section within the narrative, a section labeled ‘Intellectual Merit.’”

• Clarifies that the five year period of support in Results from Prior NSF Support means “an award with an END date in the past five years or in the future...”

• Reminds organizations that it is their responsibility to define and consistently apply the term “year” in the Senior Personnel Salaries and Wages Policy section
PAPPG SIGNIFICANT CHANGES (CONT’D)

Updated vertebrate animals coverage:

- Adds new language that reflects the new award-specific condition on organizational responsibilities for the life of the grant.

- Guidance further states that “additional IACUC approval must be obtained if the protocols for the care and use of vertebrate animals have changed substantively from those originally proposed and approved.”

- Supplements do not require a separate IACUC approval letter unless the scope of the project has substantively changed, in which case a new signed IACUC approval letter is required.
PAPPG SIGNIFICANT CHANGES (CONT’D)

Updated human subjects coverage:

• Adds language to reflect the organizational responsibilities regarding the use of human subjects for the life of the grant.

• Adds language on post-award responsibilities stating that “IRB approval must be obtained if the protocols for the use of human subjects have been changed substantively from those original proposed and approved.”

• Adds language regarding supplemental funding. Such requests do not require a separate IRB approval letter. However, if the scope of the project has been substantively changed, a new signed IRB letter is required.
PAPPG SIGNIFICANT CHANGES (CONT’D)

- Removes Exhibit VII-I, Grantee Notifications and Requests for Approval from the PAPPG.

  - Grantee Notifications are in Chapter VII.
  
  - Requests for Approval are in the Research Terms and Conditions, Appendix A
# Research Terms and Conditions Appendix A

## Prior Approval Matrix

**October 1, 2017**

<table>
<thead>
<tr>
<th>Description</th>
<th>Reference</th>
<th>RTC Overlay</th>
<th>NSF</th>
<th>DOE</th>
<th>NIH</th>
<th>USDA NIFA</th>
<th>DOC</th>
<th>NASA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prior Written Approval (prior approval)</strong></td>
<td>200.467</td>
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<tr>
<td>Use of grant agreements (including fixed amount awards), cooperative agreements, and contracts</td>
<td>200.467(a)</td>
<td>Required</td>
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<td>Required</td>
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<tr>
<td>Changes in principal investigator (PI), project leader, project partner, or scope of effort.</td>
<td>200.261(b)(5)</td>
<td>Required</td>
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<td>Required</td>
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<tr>
<td><strong>Cost sharing or matching</strong></td>
<td>200.467(b)</td>
<td>Waived</td>
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<tr>
<td>Use of unrecovered indirect costs, including indirect costs on cost sharing or matching.</td>
<td>200.366(c)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td>Use of current fair market value to determine the value of non-Federal entity donations of services and property for the purposes of cost sharing or matching.</td>
<td>200.366(d)(2)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td>Costs of the fair market value of equipment or other capital assets and fair rental charges for land when the Federal award supports activities that require use of equipment, buildings or land.</td>
<td>200.366(h)(2)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td><strong>Program Income</strong></td>
<td>200.467(c)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td>Use of program income during the period of performance (additive method).</td>
<td>200.367(b)(2)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td><strong>Revision of budget and program plans</strong></td>
<td>200.467(d)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td>Change in the scope or the objective of the project or program.</td>
<td>200.368(c)(1)(i)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td>Change in PIPD specified in the application or Federal award.</td>
<td>200.368(c)(1)(ii)</td>
<td>Waived</td>
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<tr>
<td>Disengagement from the project for more than three months, or a 25 percent reduction in time devoted to the project by the approved PIPD.</td>
<td>200.368(c)(1)(iii)</td>
<td>Waived</td>
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<tr>
<td>Inclusion, unless waived, of costs that require prior approval in accordance with Subpart E – Cost Principles.</td>
<td>200.368(c)(1)(iv)</td>
<td>Waived</td>
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<tr>
<td>Transfer of funds budgeted for participant support costs to other categories of expense.</td>
<td>200.368(c)(1)(v)</td>
<td>Waived</td>
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<tr>
<td>Subawarding, transferring or contracting out any work under a Federal award. This provision does not apply to the acquisition of supplies, material, equipment or general purpose services.</td>
<td>200.368(c)(1)(vi)</td>
<td>Waived</td>
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<tr>
<td>Changes in the approved cost-sharing or matching provided by the non-Federal entity.</td>
<td>200.368(c)(1)(vii)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td>Need for additional Federal funding to complete the project.</td>
<td>200.368(c)(1)(viii)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td>Incurred project costs 90 calendar days before the Federal awarding agency makes the award.</td>
<td>200.368(c)(1)(ix)</td>
<td>Waived</td>
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<tr>
<td>Incurred project costs more than 90 calendar days pre-award.</td>
<td>200.368(c)(1)(x)</td>
<td>Waived</td>
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<tr>
<td>Initiate a one-time extension of the period of performance by up to 12 months.</td>
<td>200.368(c)(1)(xii)</td>
<td>Waived</td>
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<tr>
<td>Subsequent one-cost extension or extension of more than 12 months.</td>
<td>200.368(c)(1)(xiii)</td>
<td>Waived</td>
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<tr>
<td>Carry-forward of unexpended balances to subsequent funding periods.</td>
<td>200.368(c)(1)(xv)</td>
<td>Waived</td>
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<tr>
<td>Transfer amounts budgeted for indirect costs to absorb increases in direct costs, or vice versa.</td>
<td>200.368(c)(1)(xvi)</td>
<td>Waived</td>
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<tr>
<td>Rebudgeting among direct cost categories for Federal awards in which the cumulative amount of such transfers exceeds or is expected to exceed 10 percent of the approved budget.</td>
<td>200.368(c)(1)(xvii)</td>
<td>Waived</td>
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<tr>
<td><strong>Real Property</strong></td>
<td>200.467(e)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td>Encumber real property acquired with Federal funds.</td>
<td>200.311(b)</td>
<td>Waived</td>
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<td>Waived</td>
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<tr>
<td>Transfer of title to the Federal awarding agency or to a third party.</td>
<td>200.311(c)(3)</td>
<td>Waived</td>
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<td>Waived</td>
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</tbody>
</table>
• Updated to align with changes to the PAPPG (NSF 18-1)

• Collaborators & Other Affiliations (COA) – Proposers instructed to use the template and upload as a PDF attachment

• Automated compliance checking does not follow the same rules as FastLane proposals
External Outreach

https://nsfgrantsconferences.com/2017/12/14/pappg-update-webinar/
Questions?
Resources

• ATE Proposal Prep Template -

• Goals/Objectives/Activities/Responsibility/Evidence/Timeline Example -
Thursday, March 8, 2018

Grant Proposal Resources, Roadmaps and Timelines (Updated)
Due to the latest NSF ATE Solicitation released in 2017, this webinar will act as an addendum and focus on specifics that have changed on this topic. A live Q&A will occur the last 30 to 45 minutes of the webinar.

We highly encourage that you watch the original webinar recording prior to attending this one. The original webinar was held on March 9, 2017 which covered the following information.

An insider’s look at unique characteristics of National Science Foundation (NSF) grant funding, particularly the Advanced Technological Education (ATE) Program. Guidelines and timelines will be shared along with tips to keep in mind if you have previously been funded by NSF ATE for a smaller grant and aspire to submit a proposal for a larger scope of work. Resources specific to preparing a competitive NSF ATE grant proposal will be highlighted.

Presenters:
Elaine Craft
Director, SC ATE Center of Excellence

Elizabeth Teles
Retired, Lead Program Director NSF

For Other Upcoming Webinars See: http://www.atecenters.org/ccta
Join us in National Harbor!

Innovations Conference March 18-21, 2018 in National Harbor, MD.

CCTA workshop to be held Monday during the conference!

https://wwwleague.org/inn2018
Join us in Miami!

July 25-28, 2018

www.highimpact-tec.org
Register for HI-TEC and DOL and NSF Workforce Convening

HI-TEC Conference July 27-28 in Miami, FL

www.highimpact-tec.org

Free follow-up DOL and NSF Workforce convening for all TAACCCT grantees, NSF grantees and others who can benefit on Friday, July 29.
Contacts

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• Ann Beheler  abeheler@collin.edu

http://www.atecenters.org/ccta
WEBINAR SURVEY

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