



Nuts and Bolts Session

**David Campbell
Program Director
Division of Research on Learning
dcampbel@nsf.gov**

**Discovery Research K-12 Principal
Investigators Webinar
November 20, 2014**



Evaluation and Reporting

Annual reports

- Due 90 days before the anniversary of your award
- Standard vs. continuing awards
- Your CGI depends on approval of annual report
- Delinquent annual reports in other divisions of NSF will affect timely funding of your DR K-12 award!

Final reports

- Due no later than 90 days after the end date of your award
- Overdue final reports will affect timely funding of awards elsewhere in the foundation
- A final report should be more than a last annual report!



Evaluation and Reporting

Research.gov has a report template

You can attach .pdf files

- Charts, news articles, photographs; external evaluation report; etc.
- Don't go berserk! If you must attach 200+ pages worth of material, send an email to the PI indicating the most important 20 pages or so to read!

(After submitting, check your report for spelling, cut-and-paste errors, etc.)



Evaluation and Reporting

Annual reports

Accomplishments

- What are the major goals of the project?
- What was accomplished under these goals (you must provide information for at least one of the 4 categories below):
 - Major activities
 - Specific Objectives
 - Significant results
 - Key outcomes or other achievements
- What opportunities for training and professional development has the project provided?
- How have the results been disseminated to communities of interest?
- What do you plan to do during the next reporting period to accomplish these goals?



Evaluation and Reporting

Annual reports

Products

- Journals
- Websites

Participants

- What individuals have worked on the project?
- What other organizations have been involved as partners?
- Have other collaborators or contacts been involved



Evaluation and Reporting

Annual reports

Impacts

- What is the impact on the development of the principal discipline(s) of the project?
- What is the impact on other disciplines?
- What is the impact on the development of human resources?
- What is the impact on physical resources that form infrastructure?
- What is the impact on institutional resources that form infrastructure?
- What is the impact on information resources that form infrastructure?
- What is the impact on technology transfer?
- What is the impact on society beyond science and technology?



Evaluation and Reporting

Annual reports

Changes

- Changes in approach and reasons for change
- Actual or anticipated problems or delays and actions or plans to resolve them
- Changes that have a significant impact on expenditures
- Significant changes in use or care of human subjects
- Significant changes in use or care of vertebrate animals
- Significant changes in use or care of biohazards

Special Requirements

Respond to the items in this section if they are applicable.

Mention any requests submitted to FastLane Notifications and Requests. For example, you may have submitted a request for significant modifications to the scope of work or reallocation of funds originally budgeted for participant support. You can see the web site for a complete list of notifications and requests.

(NOTE: NOTIFICATIONS AND REQUESTS ARE A SEPARATE FastLane action. Merely including this information in your annual report is not sufficient).

Attachments

You must put relevant information into the appropriate text boxes and ONLY attach PDF files as backup documentation. Among the things that are appropriate to send as PDF attachments are:

- Evaluation information such as reports from your Advisory Committee and evaluators. These are often confidential or preliminary and not appropriate to be broadly shared.
- Charts, graphs, data tables, pictures, news articles, and similar material that cannot be represented in text-only format.
- Documents that are too long to be included in the text boxes, such as modules or short publications.



Interim Annual Reports

Returned Annual Reports

Project Outcomes Report for the General Public

Within 90 days following expiration of the grant, a project outcomes report for the general public must be submitted electronically via Research.gov. This report serves as a brief summary, prepared specifically for the public, of the nature and outcomes of the project. This report will be posted on the NSF website exactly as it is submitted and will be accompanied by the following disclaimer:

"This Project Outcomes Report for the General Public is displayed verbatim as submitted by the Principal Investigator (PI) for this award. Any opinions, findings, and conclusions or recommendations expressed in this Report are those of the PI and do not necessarily reflect the views of the National Science Foundation; NSF has not approved or endorsed its content."

Advisory Boards

- ▶ Advisory boards
 - Often a good idea for a project to have one
 - If you have one, USE IT!!!
 - Annual visits
 - A group of experts who provide advice, assess the plans and progress of the project, and enhance dissemination
 - 4-10 members

Site Visits

- A Program Officer will try to visit your project at least once
- Reverse Site Visits
- Needs to be more than a dog and pony show: What works, what isn't working, where you could use help, where you could help others
- Site visit reports become part of the award's official record



Accountability

- You need to report and document the impact and effectiveness of your project to NSF
- NSF takes your information to document the impact and effectiveness of the DR K-12 program to Congress
- What else can you do?



Institutional Review Boards (IRBs)

All projects involving human subjects must either (1) have approval from the organization's Institutional Review Board (IRB) before issuance of an NSF award or, (2) must affirm that the IRB or an appropriate knowledgeable authority previously designated by the organization (not the Principal Investigator) has declared the research exempt from IRB review, in accordance with the applicable subsection, as established in section 101(b) of the Common Rule.



<http://www.nsf.gov/bfa/dias/policy/docs/45cfr690.pdf>

Working with NSF DR K-12 Program Officers

Communicate with Program Officers and Keep them informed of Progress

- Not just when things are going wrong!
- Tell us about the good stuff, too.
- Newspaper clippings, television, radio, campus news
- NSF Highlights – might be featured in NSF's budget request to Congress
- Tell us when something is going to happen; e.g., a professional development workshop might be good time for a site visit by a Program Officer
- Emails are usually the best way
- **Please** put your award number in the subject line of the email!



Crediting NSF



Acknowledgment of Support

➤ "This material is based upon work supported by the National Science Foundation under Grant No. (NSF grant number)." (Oral acknowledgment if appropriate.)

Disclaimer

➤ "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."

Copies

The grantee is responsible for assuring that the cognizant NSF Program Officer is provided access to, either electronically or in paper form, a copy of every publication of material based on or developed under this award, clearly labeled with the award number and other appropriate identifying information, promptly after publication.

Logos

<http://www.nsf.gov/policies/logos.jsp>



Who's my Program Officer?

The screenshot shows the National Science Foundation (NSF) website in a Windows Internet Explorer browser. The address bar displays <http://www.nsf.gov/#2>. The page features the NSF logo with the tagline "WHERE DISCOVERIES BEGIN" and a search bar. A navigation menu includes links for HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE. A "QUICK LINKS" button is also present.

The main content area features a large image of a microscopic view of cells with a dark overlay containing the text "Seawater: Stirred, Not Mixed" and a "FULL STORY" button. Below this, there are three tabs: "Advancing the Sciences", "Funding & Supporting", and "Inspiring & Educating", with a "HIDE" button. The "Advancing the Sciences" tab is active, displaying a grid of news items:

- A Mississippi River Diversion Helped Build Louisiana Wetlands, Penn Geologists Find**
October 22, 2012
- Using Cellphone Data to Curb the Spread of Malaria**
October 11, 2012
- Las Cumbres Observatory Achieves First Light With NRES Spectrograph**
October 11, 2012
- Language Is Shaped by Brain's Desire for Clarity and Ease**
October 16, 2012
- Researchers ID Unique Geological "Sombrero" Uplift in South America**
October 11, 2012
- Penn Researchers Find New Way to Mimic the Color and Texture of Butterfly Wings**
October 10, 2012

The browser's status bar at the bottom shows the URL http://www.nsf.gov/news/news_summ.jsp?cntn_id=125863, the Start button, taskbar icons, and the system clock showing 12:52 PM on 11/02/2012.

NSF Award Search: Advanced Search - Windows Internet Explorer

http://www.nsf.gov/awardsearch/advancedSearch.jsp

File Edit View Favorites Tools Help

Page Safety Tools

National Science Foundation
WHERE DISCOVERIES BEGIN

QUICK LINKS

SEARCH

FUNDING AWARDS DISCOVERIES NEWS PUBLICATIONS STATISTICS ABOUT NSF FASTLANE

Simple Search Advanced Search Popular Searches Download Awards Send Comments Award Search Help

Awards Advanced Search

NEW See What's New in the New Award Search

Awardee Information

Principal Investigator First Name

Principal Investigator Last Name

Include Co-Principal Investigator in name search

Organization

State

Zip Code

Country

Program Information

NSF Organization

Element Code

Any All

Reference Code

Any All

HINT: The "Program" box searches both program element and program reference names and codes.

Program

Program Officer

Additional Information

Keyword

HINT: The Keyword field searches on the title and abstract only.

Search Award Title Only

Award Number

From **To**

HINT: Data prior to 1976 may be less complete.

Active Awards Expired Awards

Original Award Date **From** **To**

Start Date **From** **To**

Expiration Date **From** **To**

100%

Start

Desktop

8:59 AM 11/19/2014

www.nsf.gov

Award#1019721 - Collaborative Research: Confronting the Challenges of Climate Literacy - Windows Internet Explorer


http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1019721

File Edit View Favorites Tools Help

Favorites Free Hotmail

Award#1019721 - Collaborative Research: C...

Page Safety Tools



National Science Foundation
WHERE DISCOVERIES BEGIN

SEARCH
NSF Web Site

HOME | FUNDING | **AWARDS** | DISCOVERIES | NEWS | PUBLICATIONS | STATISTICS | ABOUT | FastLane

Awards

Search Awards
Recent Awards
Presidential and Honorary Awards
About Awards

How to Manage Your Award

- Grant Policy Manual
- Grant General Conditions
- Cooperative Agreement Conditions
- Special Conditions
- Federal Demonstration Partnership
- Policy Office Website

Award Abstract #1019721

Collaborative Research: Confronting the Challenges of Climate Literacy

NSF Org:	DRL Division of Research on Learning in Formal and Informal Settings (DRL)
Initial Amendment Date:	September 28, 2010
Latest Amendment Date:	September 28, 2010
Award Number:	1019721
Award Instrument:	Continuing grant
Program Manager:	David B. Campbell DRL Division of Research on Learning in Formal and Informal Settings (DRL) EHR Directorate for Education & Human Resources
Start Date:	September 15, 2010
Expires:	August 31, 2012 (Estimated)
Awarded Amount to Date:	\$1107743
Investigator(s):	Tamara Ledley tamara_ledley@terc.edu (Principal Investigator) Cathryn Manduca (Co-Principal Investigator) Susan Buhr (Co-Principal Investigator)
Sponsor:	TERC Inc 2067 Massachusetts Avenue Cambridge, MA 02140 617/547-0430
NSF Program(s):	DISCOVERY RESEARCH K-12, CLIMATE CHANGE EDUCATION, Antarctic Education
Field Application(s):	
Program Reference Code(s):	SMET, 9177, 6891
Program Element Code(s):	7645, 6891, 5294

ABSTRACT

This project is developing three inquiry-based, lab- focused, online Climate Change EarthLabs modules as a context for ongoing research into how high



Notifications and Requests

Examples:

- Change in objectives, scope, or methodology
- Budget changes
- Time lines
- Principal Investigator changes
- Participant Support
- No-cost extensions

It's best to discuss these with a Program Officer before you make official requests in Fastlane



Notifications and Requests

nsf.gov - National Science Foundation - US National Science Foundation (NSF) - Windows Internet Explorer

http://www.nsf.gov/#4

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QUICK LINKS

National Science Foundation
WHERE DISCOVERIES BEGIN

SEARCH

HOME FUNDING AWARDS DISCOVERIES NEWS PUBLICATIONS STATISTICS ABOUT NSF FASTLANE

The Night Life: Bats

FULL STORY

Advancing the Sciences Funding & Supporting Inspiring & Educating

Funding and Supporting

- A Mississippi River Diversion Helped Build Louisiana Wetlands, Penn Geologists Find**
October 22, 2012
- Language Is Shaped by Brain's Desire for Clarity and Ease**
October 18, 2012
- Using Cellphone Data to Curb the Spread of Malaria**
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- Researchers ID Unique Geological "Sombrero" Uplift in South America**
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- Las Cumbres Observatory Achieves First Light With NRES Spectrograph**
October 11, 2012
- Penn Researchers Find New Way to Mimic the Color and Texture of Butterfly Wings**
October 10, 2012

http://www.nsf.gov/#gallery-tab2

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Notifications and Requests


NSF FastLane Home - Microsoft Internet Explorer

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Back Forward Stop Home Search Favorites

Address <https://www.fastlane.nsf.gov/fastlane.jsp> Go Links

NSF Home | News | Site Map | **FastLane Help** | Grants.gov Help | Contact Us



FastLane is an interactive real-time system used to conduct NSF business over the Internet. FastLane is for official NSF use only. [More About FastLane...](#)

FastLane User Support (7 AM to 9 PM Eastern Time • M-F)
1-800-673-6188
FastLane Availability (recording):
1-800-437-7408

Proposals, Awards and Status | Proposal Review | Panelist Functions | Research Administration | Financial Functions

Honorary Awards | Graduate Research Fellowship Program | Postdoctoral Fellowships and Other Programs

Quick Link

- ▶ **Registration Information**
- ▶ **Award Search and Funding Trends**
- ▶ **FastLane FAQs (Opens new Browser Window)**
- ▶ **Grants.gov FAQ (Opens new Browser Window)**
- ▶ **DEMONSTRATION SITE**

System Use Notification

This Government Computer System is provided as a public service by the National Science Foundation. It is intended for use by the public for viewing, submission and retrieval of authorized information only. All usage of information retrieved from this Computer System should follow the guidelines in Computer Fraud and Abuse Act of 1986. Unauthorized attempts to upload information, change or access information on this service are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986. Usage may be monitored.

Advisories

- 10/20/08** - **ATTENTION Partnership for Innovation (PFI) APPLICANTS** submitting Letters of Intent (LOIs) to PFI (NSF 08-583): Special LOI Submission Instructions
- 10/10/08** - **Please Note: Information for Preparers of Project Reports to the Division of Undergraduate Education**
- 10/01/08** - **Important Information about the NSF Proposal & Award Policies & Procedures Guide (Opens new browser window)**
- 09/15/08** - **Special Exceptions to the NSF Deadline Date Policy Due to Natural or Anthropogenic Events**
- 09/06/08** - **Log in to FastLane with your NSF ID instead of your Social Security Number (SSN).**
- 07/31/08** - **Graduate Research Fellowship Program FastLane Enhancements, 08/01/2008**
- 10/22/07** - **Effective January 5, 2008, proposers are required to register in the Central Contractor Registration prior to proposal submission.**

National Science Foundation
4201 Wilson Boulevard, Arlington, Virginia 22230, USA
Tel: 703-292-5111, FIRS: 800-877-8339 | TDD: 703-292-5090

[Privacy and Security](#)

Local intranet

start | NSF WinStatio... | Inbox - Micros... | 2 Internet Ex... | 2 Windows E... | Getting started... | Island.pdf - Ad... | Grantee Obliga... | 2:03 PM

Notifications & Requests | MAIN ▶ PI Organization: NSF Cayuse Test Organization

Prepared by PI | All by Status

Prepare a New Notification or Request for Award #: 0707551

Award Amount: \$1.00
Expiration Date: 01/31/2015
Division: Division Of Information Systems
Award Title: PRS demo awd
Awardee Organization: NSF
PI/PD: Alphanan, Alan

Select the Notification or Request Type:

GRANTEE NOTIFICATION TYPES	Topic Guidance
<input type="radio"/> Grantee Approved No Cost Extension	AAG
<input type="radio"/> Anticipated Residual Funds in excess of \$5,000 or 5%	AAG
<input type="radio"/> Short-Term Absence of the PI/PD (Up to Three Months)	AAG
<input type="radio"/> Significant Changes/Delays or Events of Unusual Interest	AAG
<input type="radio"/> Significant Changes in Methods/Procedures	AAG

GRANTEE REQUEST TYPES (Requires NSF Approval)	Topic Guidance
<input type="radio"/> Withdrawal of PI/Co-PI	AAG
<input type="radio"/> Pre-award Costs in Excess of 90 Days	AAG
<input type="radio"/> Reallocation of Funds Budgeted for Participant or Trainee Support Costs	AAG
<input type="radio"/> Rearrangement/Alteration \$25,000 or over (Follow these links for more information on Non-FDP Organizations or FDP Organizations . They will open a PDF file in new window.)	AAG
<input type="radio"/> NSF Approved No-Cost Extension	AAG
<input type="radio"/> Changes in Objective or Scope	AAG
<input type="radio"/> Long-Term Absence of the PI/PD (Over Three Months)	AAG
<input type="radio"/> Addition of SubAward	AAG
<input type="radio"/> Significant Change in Person-Months Devoted to Project	AAG
<input type="radio"/> PI Transfer	AAG
<input type="radio"/> Change of PI	AAG

**Topic Guidance is provided through the Award & Administration Guide (AAG) reference.

Download [Adobe Acrobat Reader](#) for viewing PDF files

NSF's Fastlane

- Notifications and Requests
- Financial (Business Office) Transactions
- Proposal submission
- Reviewing – including procedures for Preliminary and Formal proposals

Research.gov

- Annual and Final Reports
- Project Outcomes Reports

Supplemental Support



In unusual circumstances, small amounts of supplemental funding and up to six months of additional support may be requested to assure adequate completion of the original scope of work. Such requests for supplemental funding support should be submitted to the cognizant NSF Program Officer at least two months prior to the need for the additional funds and must be adequately justified. Program officers may make decisions regarding whether or not to recommend a small supplement without merit review of the supplemental request. Requests for larger supplements may require external merit review.



NSF Highlights

View the new website at:

[http://www.research.gov/seeinnovati
on](http://www.research.gov/seeinnovati
on)



A highlight shows...

- an exciting outcome of an NSF-supported project
- transformative results
- impacts of this outcome, including benefits to society, economy, industry, nation, region, science & engineering

Audiences include...

- Congress, other federal and state policymakers
- business & industry
- general public
- NSF (briefings, speeches, websites -- such as www.nsf.gov and "Science, Engineering, and Education Innovation" at www.research.gov/seeinnovation)

When writing a highlight...

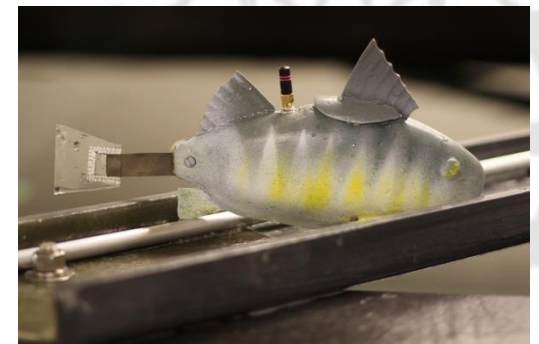
- **DO write short, straightforward sentences that articulate a single point . DON'T use** long sentences with multiple clauses.
- **DO use simple language. DON'T use complicated scientific terminology.**
- **DO write for a public audience. DON'T write the way you do when publishing in** science journals. The public is interested in high-level impacts/benefits, not deep science.

Robotic Fish Uses Artificial Muscle

Outcome: Xiaobo Tan, of Michigan State University, modeled, designed, and constructed a 'fish' that uses electro-active, ionic polymer metal composites for locomotion.

Impact/Benefits: Dr. Tan foresees using the fish as a platform to collect environmental data by adding communication, navigation, and environmental monitoring senses.

Background/Explanation: Similar to muscle tissue, the composites change shape when a voltage is applied. The fish fins are integrated with a control system to provide the robotic fish with energy-efficient, fish-like maneuverability.



Research.gov - SEE Innovation - High-school students hunt for viruses - Windows Internet Explorer

http://www.research.gov/research-portal/appmanager/base/desktop?sessionId=...

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Research.gov
POWERING KNOWLEDGE AND INNOVATION

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Search

High-school students hunt for viruses

[Back to Previous Page](#)

NSF Award: [CAREER: The Role of RNAi in the Nematode and Mammalian Antiviral Response](#) (University of Texas at Austin)

State: [Texas](#)

Congressional Districts:
Texas District 25

Research Areas: [Biology](#), [Education](#)

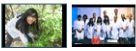
High-school student interns received a crash course in viruses, field ecology and lab work when they joined undergraduates and researchers at The University of Texas at Austin (UT Austin) in their attempt to isolate a nematode virus.

This summer program brought students from underrepresented minority populations to the university to learn firsthand how researchers are using virus-host interactions in model systems to identify nematode viruses. The interns also learned about experimental methods, and learned how to give and interpret scientific presentations.


This work comprises a valuable subcomponent of the research being carried out at UT Austin to understand virus-host interactions. The researchers want to learn more about an emerging area of gene regulation called "RNA interference," or RNAi. This type of regulation plays a role in preventing virus infection in some organisms, but not in others such as mammals.

The ability to study viral infection in the nematode would allow researchers to better understand viral infection, RNAi and evolution. Although the group did not isolate the nematode virus, the student interns gained valuable scientific experience and glimpsed a view of university life. Lessons learned from this collaboration will be applied to subsequent summer high-school courses.

Images (1 of 2)


Recent Award Highlights



Tactile displays increase STEM access for the blind and visually impaired
Device designed by a team of students converts both graphics and text into Braille

Research Areas: [Engineering](#), [Education](#)

Locations: [Iowa](#), [Texas](#)



Science through skateboards
Sk8lab Houston delivers lessons in experimentation and data collection

Research Areas: [Education](#), [Earth & Environment](#)

Locations: [Texas](#)

Privacy Policy | FOIA | No Fear Act Data | USA.gov | NSF.gov

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NSF National Science Foundation

Start | Desktop 35 | 9:27 AM 11/19/2014

Reviewing Proposals for NSF

- Good professional development
- Service to the education community
- Opportunity to forge new collaborations
- Send your Program Officer a 2-page CV
- Not just DR K-12; ITEST, ECR, AISL, programs in DUE, DGE, HRD

Questions?



"Pardon me, but could you tell us where the public trough is?"

CN
COLLECTION

