

Attachment B2

**Integrative Graduate Education and Research Traineeship Program
(IGERT)
Monitoring System Screenshots**



IGERT Survey

Welcome to the National Science Foundation's (NSF) Intergrative Graduate Education Research Traineeship (IGERT) web data collection system. This system lets you, the IGERT principal investigator (PI), provide NSF with annual and final data on your project's progress. It is important that you provide these data in a timely fashion so that we can 1) release funds for continued implementation of the program and 2) meet our GPRA (Government Performance and Results Act) reporting responsibilities.

To enter IGERTWeb, please enter your NSF grant number and your password in the boxes below, and click **Login**.

If you did not receive your login information, please [email us](#) or call toll free at (800) 910-4138. If you have lost or forgotten your password, please use the [password reset feature below](#).

Grant Number:

Password:

Notice: The system is closed for maintenance every first Sunday between 7 a.m. and 10 a.m. eastern time.

This system will log you out after 1 hour of inactivity. You must re-enter your grant number and password to login to the IGERT System again.

Did you forget your grant number or password?

Submit the PI's email address associated with his or her IGERT account, and we will email the PI a new temporary password.

Email:

Survey Privacy

The Federal Government has a continuing commitment to monitor its awards to identify and address any inequities based on gender, race, ethnicity, or disability of the PIs, co-Pis, trainees, or other participants.

Information from this data collection system will be retained by NSF, a Federal agency, and will be an integral part of its Privacy Act System of Records in accordance with the Privacy Act of 1974 and maintained in the Education and Training System of Records 03 Fed. Reg. 284, 272 (January 5, 1999). All individually identifiable information supplied by individuals or institutions to a Federal agency may be used only for the purposes outlined in the system of records notice and may not be disclosed or used in identifiable form for any other purpose, unless otherwise compelled by law. These are confidential files accessible only to appropriate NSF officials, their staffs, and their contractors responsible for monitoring, assessing, and evaluating NSF programs. Only data in highly aggregated form or data explicitly requested "for general use" will be made available to anyone outside of NSF for research purposes. Data submitted will be used in accordance with criteria established by NSF for monitoring research and education grants, and in response to Public Law 99-363 and 42 USC 1855c. The Social Security number (SSN) will be maintained in accordance with the requirements of the Privacy Act of 1974. Submission of the SSN is voluntary. It is used for survey quality control, program evaluation, and matching with other data sets maintained in the Education and Training System of Records 03 Fed. Reg. 284, 272 (January 5, 1999).

[NSF Privacy Policy](#)

Public Burden

Submission of the requested information is voluntary. Failure to provide full and complete information, however, may reduce the possibility for continuing support through the award/project subject to this survey. Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to, an information collection unless it displays a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 3145-0228. The annual public reporting burden for this collection of information is estimated to average 113 hours per award including the time for reviewing instructions, 54 hours per PI survey and 2 hours per IGERT trainee/associate survey. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Susanna Plimpton, Reports Clearance Officer for OMB Collection 3145-0228 (IGERT Program), National Science Foundation, 4201 Wilson Blvd., Rm. 205, Arlington, VA 22230.

OMB #3145-0228
Expires 4/30/2019



- MAIN MENU**
- 1. Project Summary >
 - 2. Project Participants >
 - 3. Project Features >
 - 4. Evaluation and Impacts >
 - 5. Publications/Presentations >
 - 6. Trainee Surveys >
 - 7. Final Submission to NSF >
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us
-
- Survey Last Modified:
Not Yet Modified

MAIN MENU

Note: [Click here](#) to view step-by-step instructions for completing and submitting your annual report in IGERTWeb and Research.gov.

- 1. Project Summary**
Describe your IGERT project's characteristics, achievements, outreach activities, and highlights.

- 2. Project Participants**
Report activity and demographic data for IGERT project personnel, trainees, and associates.

- 3. Project Features**
Report on the different types of training activities provided to trainees, recruitment and broadening participation efforts, and international opportunities.

- 4. Evaluation and Impacts**
Report on your project's internal evaluations and its impact on your institution(s).

- 5. Publications/Presentations**
Report any journal articles, books, presentations, and patents by IGERT project participants.

- 6. Trainee Surveys**
Keep track of trainees' progress on their surveys. (These need to be complete before you can send your authorized final submission to NSF).

- 7. Final Submission to NSF**
Send the authorized final submission of your survey and your trainees' surveys to NSF. Your survey and any revisions made therein will not be visible to NSF until you click on **Final Submission to NSF**.



LEGEND
 = Please Complete = Please Review
 = OK = Please Correct

Survey Collection for: Zack Freeman | Award ID: drecord

[Logout](#)

MAIN MENU

- [1. Project Summary](#) >
- [2. Project Participants](#)
- [3. Project Features](#) >
- [4. Evaluation and Impacts](#) >
- [5. Publications/Presentations](#) >
- [6. Trainee Surveys](#)
- [7. Final Submission to NSF](#)

- [Instructions](#)
- [Help With This Screen](#)
- [Frequently Asked Questions](#)
- [Glossary](#)
- [Print/Download Data](#)
- [Add Comments](#)
- [Contact Us](#)

Survey Last Modified:
Not Yet Modified

1. Project Summary

- a. [Project Characteristics](#)
- b. [Research Achievements](#)
- c. [Education Achievements](#)
- d. [Trainee Achievements](#)
- e. [Barriers to Implementation](#)
- f. [Outreach Activities](#)
- g. [NSF Highlights](#)



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF

Instructions

Help With This Screen

Frequently Asked Questions

Glossary

Print/Download Data

Add Comments

Contact Us

Survey Last Modified:
February 14, 2019

1a. Project Characteristics

Please base all responses on this reporting period.

Please indicate *up to three* NSF directorates that most closely correspond to your interdisciplinary research theme.

- BIO—Biological Sciences
- CISE—Computer and Information Science and Engineering
- ENG—Engineering
- GEO—Geosciences
- MPS—Mathematical and Physical Sciences
- OCI—Office of Cyberinfrastructure
- OPP—Office of Polar Programs
- SBE—Social, Behavioral, and Economic Sciences

Did you support any IGERT trainees during the current project year?

- Yes
- No

Considering the IGERT trainees as a group, how do they compare with the graduate students you usually see in terms of their academic/research potential?

Somewhat better than our usual graduate students ▼

How do trainees in your program earn their doctoral degrees?

(Mark all that apply)

- Trainees earn their degrees from the IGERT multidisciplinary/interdisciplinary program.
- Trainees earn their degrees from traditional single-discipline departments.
- Trainees earn their degrees from multidisciplinary/interdisciplinary programs, centers, or units other than IGERT.
- Other (certificates, etc.)

Please specify:

Does your IGERT project include undergraduate involvement?

- Yes
- No

If yes, were NSF IGERT funds used for undergraduate involvement?

- Yes
- No

Does your IGERT project include postdoctorate involvement?

- Yes
- No

If yes, were NSF IGERT funds used for postdoctorate involvement?

- Yes
- No

Estimate the amount of funds from the current year of IGERT support that will be carried over to the next year as of the project anniversary date (the date when your annual report will be due in Research.gov).

\$ Total funds carried over to the next year

If carryover funds are entered (i.e., greater than 0), please provide an explanation for these funds.

Characters: 0/1000
Limit: 1,000 characters

\$ Participant support costs carried over to the next year

\$ Stipends carried over to the next year

Describe how the Competitive Innovation Incentive Fund (CIIF) was used, barriers to implementation of CIIF training activities, and notable CIIF training successes.

Characters: 0/1000
Limit: 1,000 characters



MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

1b. Research Achievements

Please describe up to three interdisciplinary research achievements/discoveries/outcomes that demonstrate how your IGERT project has been particularly effective in attaining the interdisciplinary research goals you set out to achieve during this reporting period. Please report achievements that include tangible outcomes such as publication, patent, discovery, or preliminary findings. Individual trainee achievements should be reserved for the "Trainee Achievements" section.

First achievement

Characters: 0/1000
Limit: 1,000 characters

I approve making the First Research Achievement available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Second achievement

Characters: 0/1000
Limit: 1,000 characters

I approve making the Second Research Achievement available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Third achievement

Characters: 0/1000
Limit: 1,000 characters

I approve making the Third Research Achievement available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

1c. Education Achievements

Please describe up to three achievements/outcomes that illustrate exceptional added value to the trainees' educational experience during this reporting period. Please focus on overall programmatic achievements, rather than the achievements of individual trainees.

First achievement

Characters: 0/1000
Limit: 1,000 characters

I approve making the First Education Achievement available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Second achievement

Characters: 0/1000
Limit: 1,000 characters

I approve making the Second Education Achievement available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Third achievement

Characters: 0/1000
Limit: 1,000 characters

I approve making the Third Education Achievement available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

1d. Trainee Achievements

Please describe up to three research or education achievements/outcomes involving either a single trainee or a group of trainees made possible through the participation of trainees in your IGERT project during this reporting period.

First achievement

Characters: 0/1000
Limit: 1,000 characters

I approve making the First Trainee Achievement available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Second achievement

Characters: 0/1000
Limit: 1,000 characters

I approve making the Second Trainee Achievement available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Third achievement

Characters: 0/1000
Limit: 1,000 characters

I approve making the Third Trainee Achievement available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

1e. Barriers to Implementation

Please identify and describe up to three key barriers (e.g. programmatic, institutional) you have encountered in the process of implementing your IGERT project during this reporting period. For each barrier identified, briefly describe how your project has responded. (Please use a separate text box for each barrier and response.)

FIRST BARRIER

Issue/Challenge 1

Characters: 0/1000
Limit: 1,000 characters

Response 1

Characters: 0/1000
Limit: 1,000 characters

SECOND BARRIER

Issue/Challenge 2

Characters: 0/1000
Limit: 1,000 characters

Response 2

Characters: 0/1000
Limit: 1,000 characters

THIRD BARRIER

Issue/Challenge 3

Characters: 0/1000
Limit: 1,000 characters

Response 3

Characters: 0/1000
Limit: 1,000 characters

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

1f. Outreach Activities

Please report any outreach activities involving your IGERT project that occurred during this reporting period. Outreach activities include your IGERT project, IGERT faculty, and/or IGERT trainees being featured in the media (e.g., TV, radio, magazine articles) or talks, presentations, or workshops given to school groups, civic groups, non-scientific-based professional groups, members of the government, or the general public.

Outreach Activities

[Report an outreach activity »](#)

Please mark the checkbox if you do not have any Outreach Activities to report then click on the **Done With Outreach Activities** button.

Examples of brief descriptions of outreach activities:

- IGERT faculty interviewed by John Doe for Bink-Bink Public Radio about sending students to the sun and the moon, aired June 24, 2006
- IGERT program featured in Discovery Channel television show "Mad Science" shown in the United States and Canada, September 2006
- Article in the New York Times Science section with interviews of IGERT trainees on "What Works in the Making of a Scientist," published May 15, 2006
- Presentation on the science of the sun and stars given by IGERT trainees to the Greater Bink-Bink Chamber of Commerce, May 2006
- Workshop with the 4th grade class of Bink-Bink Elementary School on the Stars, the Moon, and You conducted by IGERT trainees, December 10, 2006



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

Outreach Activity

Provide a short title for this activity.

Name of the media outlet or organization for which outreach was done

Date of the activity

 (mm/dd/yyyy)

Type of activity

If other activity, please specify:

Briefly describe this activity, including the names of the IGERT individuals involved.

Characters: 0/250

Limit: 250 characters

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

1g. NSF Highlights

Each year, NSF program officers are asked to write Highlights (formerly known as "Nuggets") on the results of NSF research and education awards. These Highlights are used to help assess NSF's performance in attaining the strategic outcome goals outlined in the NSF Strategic Plan and to share successes with various groups.

Your Highlight will probably relate to one of the achievements reported in sections 1b, c, or d, but in greater detail and with images. When writing your Highlight, please clearly describe how the interdisciplinary theme of your IGERT project made this work possible, as distinct from what might have been possible through only a single-discipline research or education grant. Also, please write the Highlight such that a general audience can grasp the importance, value, and merit of the research, the educational outreach, or whatever results you are highlighting.

Starting with a statement of what the research team has achieved and why it is important and then explaining what problem is being solved, what obstacle is being overcome, or what new discovery was made is a great way to write a Highlight for maximum effectiveness.

Reporting Highlights is related to requirements under the Government Performance and Results Act (GPRA).

Please respond only if you have something relevant and significant to share for this reporting period.

Highlights

[Report a New Highlight »](#)

Please mark the checkbox if you do not have any NSF Highlights to report, then click on the **Done With Highlights** button.

Guidelines for Writing Highlights

- **Write for a general audience.** Common uses for Highlights include the following: program monitoring by NSF staff; reporting to Congress on NSF goal attainment; demonstrating achievements in NSF's annual Budget Requests, Performance and Accountability Reports (PAR), and other documents; and providing information for the general public. Well-written, informative Highlights submitted here may serve several purposes and thereby prevent duplicate writing efforts later.
- **Include images.** NSF Highlights and images are used not only by the Advisory Committee for GPRA Performance Assessment, but also for illustration, in the NSF's annual Budget Requests, Performance and Accountability Reports (e.g. PAR), and other documents. Clear, colorful images (e.g., pictures, graphs, charts) greatly enhance the value of Highlights.
- **Provide sufficient information** to describe the research and the results so that the IGERT Program Officers can determine whether a specific objective (and therefore, outcome goal) was met and its most valuable use.
- **Start with a statement of what the research team has achieved**, and go on to explain why it solves a problem or overcomes an obstacle. Do not start with a lengthy explanation of the problem to be solved. Example: "Prof. Blivett and her team at the University of Eutaw have discovered/achieved/developed XYZ. This was hard/remarkable/useful/world-changing because... or this seminal development could lead to practical applications in..."
- **Include the location and/or lead institution** for the research and the names of all principal investigators.
- **Include an explicit statement that NSF is supporting this work**, e.g., "NSF-funded researchers at Stanford University have demonstrated..." or "Astronomers working at NSF's Gemini Observatory have discovered..."
- **Spell out NSF program names.** Be sure to spell out acronyms.



MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

Report Highlight

Provide a descriptive title for this Highlight.

If a video is associated with the Highlight, please provide a URL link to the video.

Please indicate the primary and secondary NSF strategic goals that best describe the Highlight.

NSF STRATEGIC GOALS	PRIMARY	SECONDARY
<i>Discovery:</i> Foster research that will advance the frontiers of knowledge, emphasizing areas of greatest opportunity and potential benefit and establishing the Nation as a global leader in fundamental transformational science and engineering.	<input type="radio"/>	<input type="radio"/>
<i>Learning:</i> Cultivate a world-class, broadly inclusive science and engineering workforce and expand the scientific literacy of all citizens.	<input type="radio"/>	<input type="radio"/>
<i>Research Infrastructure:</i> Build the Nation's research capability through critical investments in advanced instrumentation, facilities, cyber infrastructure, and experimental tools.	<input type="radio"/>	<input type="radio"/>

Describe the achievement/result that is the Highlight.

Characters: 0/6000
Limit: 6,000 characters

How does this activity address the primary and secondary NSF strategic goals that you marked above?

Characters: 0/6000
Limit: 6,000 characters

I approve making the entirety of this NSF Highlight available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.



MAIN MENU

- [1. Project Summary](#) >
- [2. Project Participants](#)
- [3. Project Features](#) >
- [4. Evaluation and Impacts](#) >
- [5. Publications/Presentations](#) >
- [6. Trainee Surveys](#)
- [7. Final Submission to NSF](#)

- [Instructions](#)
- [Help With This Screen](#)
- [Frequently Asked Questions](#)
- [Glossary](#)
- [Print/Download Data](#)
- [Add Comments](#)
- [Contact Us](#)

Survey Last Modified:
February 12, 2019

Add Highlight Image

Provide a descriptive title for this image.

Upload image file (bmp, gif, jpeg, pdf, png, or tiff only)

 No file chosen

Does NSF have permission to use this image?

- Yes
 No

Image credits (Required only if you answered "yes" to the previous question)

Description of image (optional)

Characters: 0/1000

Limit: 1,000 characters



MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 12, 2019

2. IGERT Project Personnel, Trainee, and Associate Details

Please update and submit information for this reporting period for each IGERT project participant (i.e. faculty, trainees, and associates).
Note: All PIs and former PIs will appear in the list of advisors for trainees/associates to select. Please do not add them to the Co-PI/Advisor list.

PI

- [Freeman, Zack](#)

YOUR CURRENT PROJECT COORDINATOR

A Project Coordinator is a staff position devoted in part or whole to managing the IGERT grant.
[More](#)

[Add Coordinator](#)

- There is no coordinator to report.

CO-PIs AND ADVISORS

Note: Please be aware that your co-PIs and advisors can update this information themselves. [Notify the co-PIs and advisors](#).

[Add Co-PI or Advisor](#)

TRAINEES

An IGERT trainee is a graduate student funded by IGERT at any point during his or her graduate training. [More](#)

- [Testing, NextTest](#)
- [Testing, Test](#)

[Add Trainee](#)

Please contact support@igertweb.org to transfer an associate to the trainee section.

ASSOCIATES

An IGERT associate is a graduate student participating in your IGERT project who has never been funded by IGERT. [More](#)

[Add Associate](#)



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

2. IGERT Project Personnel and Trainees: Principal Investigator Data

PRINCIPAL INVESTIGATOR

First Name:
Middle Initial:
Last Name:
Previous Surname:

Project Years Active:

Mark the checkbox if Zack Freeman served as PI for the current project year. Previous years that Zack Freeman served as PI are also shown.

2014-2015 Project Year 2014-2015

2017-2018 Project Year

CONTACT INFORMATION

Institution Name:
Title:
Department at Institution:
Address at Institution:
Institution's City:
Institution's State:
ZIP Code:
Phone (xxx-xxx-xxxx):
Extension:
Fax (xxx-xxx-xxxx):
Email Address:
Web URL:

ETHNICITY (Choose one)

- Hispanic or Latino
- Not Hispanic or Latino
- Not Reported

RACE (Mark all that apply)

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White
- Not Reported

GENDER (Choose one)

- Male
- Female
- Not Reported

DISABILITY STATUS (Choose one)

- Yes (Check yes if any of the following apply)
 - Deaf or serious difficulty hearing
 - Blind or serious difficulty seeing even when wearing glasses
 - Serious difficulty walking or climbing stairs
 - Other serious disability related to a physical, mental, or emotional condition
- No
- Do not wish to provide

CITIZENSHIP (Choose one)

- U.S. Citizen/U.S. National
- U.S. Permanent Resident
- Other Non-U.S. Citizen
- Not Reported



LEGEND
 = Please Complete = Please Review
 = OK = Please Correct

MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

2. IGERT Project Personnel and Trainees: Coordinator Data

COORDINATOR

First Name:

Middle Initial:

Last Name:

Previous Surname:

CONTACT INFORMATION

Institution Name:

Title:

Department:

Current Address:

Current City:

Current State:

ZIP Code:

Phone (xxx-xxx-xxxx):

Extension:

Fax (xxx-xxx-xxxx):

Email Address:

Web URL:



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

2. IGERT Project Personnel and Trainees: Co-PI or Trainee/Associate Advisor Data

CO-PI

First Name:

Middle Initial:

Last Name:

Previous Surname:

Project Years Active:

Mark the checkbox if the individual served as co-PI or trainee/associate advisor for the current project year.

2017-2018 Project Year

Role in Project: (Mark all that apply)

- Co-PI
- Trainee/Associate Advisor and/or Faculty Participant

CONTACT INFORMATION

Institution Name:

Title:

Department at Institution:

Address at Institution:

Institution's City:

Institution's State:

ZIP Code:

Phone (xxx-xxx-xxxx):

Extension:

Fax (xxx-xxx-xxxx):

Email Address:

Web URL:

Current IGERT Advisor:

ETHNICITY (Choose one)

- Hispanic or Latino
- Not Hispanic or Latino
- Not Reported

RACE (Mark all that apply)

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White
- Not Reported

GENDER (Choose one)

- Male
- Female
- Not Reported

DISABILITY STATUS (Choose one)

- Yes (Check yes if any of the following apply)
 - Deaf or serious difficulty hearing
 - Blind or serious difficulty seeing even when wearing glasses
 - Serious difficulty walking or climbing stairs
 - Other serious disability related to a physical, mental, or emotional condition
- No
- Do not wish to provide

CITIZENSHIP (Choose one)

- U.S. Citizen/U.S. National
- U.S. Permanent Resident
- Other Non-U.S. Citizen
- Not Reported



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

2. Trainee Data: Add New

Note: Information that your trainees and associates provide will not be available to you. However, you will have access to a monitoring system that allows you to see the progress of their submissions, i.e., which sections they have successfully completed.

GENERAL INFORMATION

First Name:

Middle Initial:

Last Name:

Previous Surname:

Email Address:

Verify IGERT-required Citizenship/Residency Status

- Yes, the trainee is a U.S. citizen/U.S. national or U.S. permanent resident.
- No, the trainee does not meet IGERT citizenship requirements.

If you answered No, please provide an explanation:

GRE Scores

Verbal

Quantitative

Analytical

Subject:

When did the trainee first enroll in graduate study at this institution?

(mm/yyyy)

When did the trainee first begin receiving IGERT funding?

(mm/yyyy)

CURRENT STATUS

Funding

Indicate whether this trainee is a Funded Trainee or a Formerly Funded Trainee for this reporting period (June 1, 2017–May 31, 2018). (Note: A trainee who received IGERT funding for any or all of this reporting period is a Funded Trainee.)

- Funded Trainee
Number of months funded

- Formerly Funded Trainee
Has the student been engaged in IGERT activities, research, education, or training during this reporting period?

Current IGERT advisor(s)
As reported by trainee – None Listed

Please describe the current situation that best describes this IGERT trainee.
(Select one)

Has not yet graduated, but is pursuing a Ph.D. at your institution.


Has not yet graduated, but is pursuing a master's degree at your institution.

Has graduated from your institution with a Ph.D.
(Enter month/year of completion) (mm/yyyy)

Has graduated from your institution with a master's degree.
(Enter month/year of completion) (mm/yyyy)

Has left your institution without earning a degree.
(Enter month/year departed) (mm/yyyy)

OMB #3145-0228
Expires 4/30/2019



IGERT Annual Survey
JUNE 1, 2017–MAY 31, 2018

LEGEND

= Please Complete ⚠ = Please Review

✓ = OK 🔴 = Please Correct

Survey Collection for: | Award ID: drecord Logout

MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

Instructions

Help With This Screen

Frequently Asked Questions

Glossary

Print/Download Data

Add Comments

Contact Us

Survey Last Modified:
February 14, 2019

OMB #3145-0228
Expires 4/30/2019

2. Associate Data: Add New

Note: Information that your trainees and associates provide will not be available to you. However, you will have access to a monitoring system that allows you to see the progress of their submissions, i.e., which sections they have successfully completed.

INFORMATION ON ASSOCIATES

First Name:

Middle Initial:

Last Name:

Previous Surname:

Email Address:



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

2. Associate Data: Add New

Note: Information that your trainees and associates provide will not be available to you. However, you will have access to a monitoring system that allows you to see the progress of their submissions, i.e., which sections they have successfully completed.

INFORMATION ON ASSOCIATES

First Name:

Middle Initial:

Last Name:

Previous Surname:

Email Address:

GRE Scores

Verbal

Quantitative

Analytical

Subject:

When did the associate first enroll in graduate study at this institution?

(mm/yyyy)

When did the associate first begin participating in the IGERT project?

(mm/yyyy)

CURRENT STATUS

Has the student been engaged in IGERT activities, research, education, or training during this reporting period?

Current IGERT advisor(s)

As reported by associate – None Listed

Please describe the current situation that best describes this IGERT associate.

(Select one)

- Has not yet graduated, but is pursuing a Ph.D. at your institution.
- Has not yet graduated, but is pursuing a master's degree at your institution.
- Has graduated from your institution with a Ph.D.
(Enter month/year of completion) (mm/yyyy)
- Has graduated from your institution with a master's degree.
(Enter month/year of completion) (mm/yyyy)
- Has left your institution without earning a degree.
(Enter month/year departed) (mm/yyyy)



LEGEND
 = Please Complete ⚠ = Please Review
✓ = OK ⚠ = Please Correct

Survey Collection for: Zack Freeman | Award ID: drecord

Logout

MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3. Project Features

- 3a. [Trainee Preparation in Multidisciplinary/Interdisciplinary Research](#)
- 3b. [Trainee Preparation in Professional Skills](#)
- 3c. [Trainee Preparation for STEM Careers](#)
- 3d. [Tactics for Recruitment and Broadening Participation](#)
- 3e. [International Opportunities](#)
- 3f. [Partnerships/Collaborations](#)



MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3a. Trainee Preparation in Multidisciplinary/Interdisciplinary Research

Briefly describe up to three of the promising practices for preparing IGERT trainees to conduct collaborative research that transcends traditional disciplinary boundaries.

Practice 1

Characters: 0/1000
Limit: 1,000 characters

Measure 1

- Type -

If other type, please specify:

I approve making the First Trainee Preparation in Multidisciplinary/Interdisciplinary Research Practice and Measure available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Practice 2

Characters: 0/1000
Limit: 1,000 characters

Measure 2

- Type -

If other type, please specify:

I approve making the Second Trainee Preparation in Multidisciplinary/Interdisciplinary Research Practice and Measure available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Practice 3

Characters: 0/1000

Limit: 1,000 characters

Measure 3

- Type -

If other type, please specify:

I approve making the Third Trainee Preparation in Multidisciplinary/Interdisciplinary Research Practice and Measure available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Mark the following components of multidisciplinary/interdisciplinary research preparation that apply to the majority of IGERT trainees involved in your project during this reporting period.

(Mark all that apply)

- Trainees undertook formal coursework/training in research methods, practices, and instrumentation in their primary discipline equivalent to traditional graduate students.
- Trainees had practical, hands-on laboratory and/or field experience in conducting research across the breadth of disciplines in the IGERT program.
- Trainees undertook formal coursework/training across the breadth of disciplines encompassed by the IGERT project.
- Trainees undertook formal coursework/training in both the ethical conduct of research and ethical conduct related to the themes encompassed by your IGERT project.
- Other preparation to conduct high-quality research.
Please specify:
- No components of Trainee Preparation in Multidisciplinary/Interdisciplinary Research applied during this reporting period.

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3b. Trainee Preparation in Professional Skills

Briefly describe up to three formal training activities (e.g. coursework, workshop, professional speaker) for preparing IGERT trainees to effectively communicate science to general audiences.

Activity 1

Characters: 0/1000
Limit: 1,000 characters

I approve making the First Trainee Preparation in Professional Skills Activity available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Activity 2

Characters: 0/1000
Limit: 1,000 characters

I approve making the Second Trainee Preparation in Professional Skills Activity available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Activity 3

Characters: 0/1000
Limit: 1,000 characters

I approve making the Third Trainee Preparation in Professional Skills Activity available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Mark the following components of professional skills development that apply to the majority of IGERT trainees involved in your project during this reporting period.

(Mark all that apply)

- Trainees undertook coursework/training that included regular faculty critique of and feedback on professional writing.
- Trainees authored, submitted, or published research papers in refereed journals.
- Trainees undertook coursework/training (e.g., brown bags, seminars) that included regular critique of and feedback on professional speaking/presentation skills.
- Trainees made presentations at academic/scientific professional conferences or meetings.
- Trainees presented results from their IGERT project to professional, nonacademic audiences (e.g., industry, government).
- Trainees undertook coursework/training to develop media-based or information technology-based communication skills.
- Trainees produced multimedia materials, Web sites, or other cyber-enabled tools to communicate the results of their IGERT activities to external audiences.
- Trainees used multimedia materials, Web sites, or other cyber-enabled tools as part of their interdisciplinary scientific training and collaboration.
- Trainees received training in team-building and project management skills.
- Trainees received training in effective time and task management.
- Trainees participated as members of teams engaged in joint research, education, and/or outreach efforts.
- Trainees led teams engaged in research, education, and/or outreach efforts.
- Other preparation in professional skills development.
Please specify:
- No components of Trainee Preparation in Professional Skills applied during this reporting period.



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

Instructions

Help With This Screen

Frequently Asked Questions

Glossary

Print/Download Data

Add Comments

Contact Us

Survey Last Modified:
February 14, 2019

3c. Trainee Preparation for STEM Careers

Mark the following components that apply to the majority of IGERT trainees involved in your project during this reporting period.

(Mark all that apply)

- Trainees received training or instruction (e.g., courses, workshops) in effective teaching practices.
- Trainees developed and presented course and/or curriculum materials.
- Trainees served as mentors to others (e.g., graduate students, undergraduates, laboratory technicians).
- Trainees received training/mentoring in grant proposal preparation.
- Trainees authored/coauthored and submitted grant proposals.
- Trainees received training/instruction on the interaction between academic research and industrial technical requirements.
- Trainees received training/instruction for applying their research to address public policy concerns or issues.
- Trainees had internships (off-campus, research, educational, and/or work experiences) in nonacademic settings (e.g., industry, government).
- Trainees had professional interactions other than internships with nonacademic employers (e.g. industry, government) in order to learn about career opportunities and requirements.
- Trainees communicated, worked, or collaborated with scientists of other nationalities.
- Other preparation for careers in academia.
Please specify:
- Other preparation for nonacademic careers (e.g., industry, government).
Please specify:
- No components of Trainee Preparation for STEM Careers applied during this reporting period.

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3d. Tactics for Recruitment and Broadening Participation

One purpose of IGERT is to create a program strategy and a plan for recruiting, mentoring, retaining, and graduating U.S. graduate students that includes efforts aimed at members of groups underrepresented in science and engineering. With these goals in mind, please respond to the following questions for this reporting period.

Do you have an overall, active plan with a specific set of goals and timelines for the recruitment and retention of trainees, including specifics for broadening participation of groups underrepresented in science and engineering?

- Yes
- No

If no, please explain:

Characters: 0/1000

Limit: 1,000 characters

Regardless of your response to the previous question, please describe up to three of the promising tactics and results for recruiting qualified trainees to your IGERT project during this reporting period.

Tactic 1

Characters: 0/1000

Limit: 1,000 characters

Result 1

Characters: 0/1000

Limit: 1,000 characters

I approve making the First Tactic and Result for Recruitment and Broadening Participation Practice available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Tactic 2

Characters: 0/1000

Limit: 1,000 characters

Result 2

Characters: 0/1000

Limit: 1,000 characters

I approve making the First Tactic and Result for Recruitment and Broadening Participation Practice available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Tactic 3

Characters: 0/1000
Limit: 1,000 characters

Result 3

Characters: 0/1000
Limit: 1,000 characters

I approve making the Third Tactic and Result for Recruitment and Broadening Participation Practice available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Please describe the extent to which each of the following practices have been productive for recruiting trainees overall to your IGERT project during this reporting period.

RECRUITING PRACTICE	PRODUCTIVE	SOMEWHAT PRODUCTIVE	NOT PRODUCTIVE	NA
Relationships with NSF programs that can provide an undergraduate pool of potential IGERT trainees (e.g., REUs, NSF Centers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Relationships with faculty and programs at other academic institutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use of recruiting resources on your campus (e.g., career service office, graduate studies office)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaboration with other IGERT projects on recruitment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use of professional meetings, conferences, associations to communicate with, reach out to, and market to potential IGERT Trainees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Please specify: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please describe the extent to which each of the following practices have been productive for recruiting underrepresented minority and women trainees to your IGERT project during this reporting period.

RECRUITING PRACTICE	UNDERREPRESENTED MINORITIES	WOMEN
Relationships with NSF programs that specifically focus on broadening participation of underrepresented minorities or women in STEM (e.g., LSAMP, AGER, TCUP, or ADVANCE)	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA
Use of resources on your campus (e.g., academic advancement programs, offices for campus diversity, or minority and women's student groups)	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA
Interaction with professional associations, organizations, or committees serving underrepresented minority communities or women (e.g., National Action Council for Minorities in Engineering, Society of Women Engineers, committees in professional societies focused on minority communities and women)	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA
Bridge programs for entering graduate students	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA
Mentoring or advising arrangements that take advantage of underrepresented minorities or women faculty or graduate students on campus	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA
Relationships with faculty and programs at minority-serving academic institutions (e.g., historically black colleges and universities, Hispanic-serving institutions, or tribal colleges)	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA	<input checked="" type="radio"/> NA
Collaboration with other IGERT projects on recruitment	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA
Other Please specify: <input type="text"/>	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA	<input type="radio"/> Productive <input type="radio"/> Somewhat productive <input type="radio"/> Not productive <input type="radio"/> NA

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3e. International Opportunities

Include only those results/actions that took place during this reporting period.

The submission of part 1 is required for **all IGERT projects**. The submission of part 2 is required **only for IGERT projects with explicit funding for an international component**. However, all projects are encouraged to complete part 2, because providing this information allows for your experience to be included in the IGERT database.

PART 1

According to NSF records, your project does not have explicit funding for an international component. If you think this is incorrect, please [email us](#).

Briefly describe up to three training experiences or components that provided exceptional "added value" for preparing IGERT trainees to be successful in international/global science and engineering. NOTE: This can include U.S.-based experiences.

Training Experience/Component 1

Characters: 0/1000

Limit: 1,000 characters

I approve making Training Experience/Component 1 available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Training Experience/Component 2

Characters: 0/1000

Limit: 1,000 characters

I approve making Training Experience/Component 2 available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Training Experience/Component 3

Characters: 0/1000
Limit: 1,000 characters

I approve making Training Experience/Component 3 available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Responding to the remaining questions is mandatory only for IGERT projects with explicit funding for the international component.

PART 2

Is international participation required for all trainees involved in your IGERT project?

- Yes
 No

Did one or more trainees from your IGERT project engage in an international experience through the project during this reporting period?

- Yes
 No

If yes, please click on the "Add an International Experience" button below to describe the experience and the country.
NOTE: You will need to repeat this step for each country in which trainees engaged in an international experience during this reporting period.

Identify the value/opportunities for faculty that resulted from the international experiences of the IGERT project.
(Mark all that apply)

- Faculty have developed new collaborations.
 Faculty have developed new access to facilities/skills.
 Faculty have developed new opportunities for research/education/training.
 Other

Please specify:

Briefly describe up to three research or educational achievements resulting from the international component. Each achievement may involve a single trainee or a group of trainees.

Research/Educational Achievement 1

Characters: 0/1000
Limit: 1,000 characters

I approve making Research/Educational Achievement 1 available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Research/Educational Achievement 2

Characters: 0/1000
Limit: 1,000 characters

I approve making Research/Educational Achievement 2 available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Research/Educational Achievement 3

Characters: 0/1000
Limit: 1,000 characters

I approve making Research/Educational Achievement 3 available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.



MAIN MENU

- ✓ 1. Project Summary >
- ✓ 2. Project Participants >
- ✓ 3. Project Features >
- ✓ 4. Evaluation and Impacts >
- ✓ 5. Publications/Presentations >
- ✓ 6. Trainee Surveys >
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3e. Specific International Experiences - Experience Detail

COUNTRY EXPERIENCE DETAIL

Country:

Trainees involved:
(Choose one or more)

- Test TEst
- Test Testing

Which of the following international actions or work in this country involved trainees?
(Mark all that apply)

- Trainees attended conferences/workshops.
- Trainees undertook coursework/training.
- Trainees worked, conducted research/field work, or interned in industrial settings.
- Trainees worked, conducted research/field work, or interned in academic settings.
- Trainees worked, conducted research/field work, or interned in other settings (e.g., national laboratories, nongovernmental organizations).
- Other international actions/work.

Please specify:

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3f. Partnerships/Collaborations

One or more values on this page need to be corrected or reviewed.

135 Please add partnerships/collaborations.

Fix Later

Were there active partnerships/collaborations outside of your university through your IGERT project during this reporting period?

- Yes
- No

NOTE: Examples include other academic institutions (including IGERT partners), industrial or business partners, government agencies and laboratories, and nonprofit organizations. If you are in doubt about whether to include information on a specific relationship between your IGERT project and another organization, please include the information.

Partnership/Collaboration Details 135

Please describe each partnership or collaboration by choosing the type of organization with which your IGERT project worked below and entering the details on the form that follows. You will need to repeat this step until all partnership/collaborations are listed.

Add new -- choose one -- Go

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3f. Academic Partnership / Collaboration Details

DETAILS ON THIS PARTNER

Institution/organization name:

Type of partner

(Mark all that apply)

- Ph.D.-granting institution
- Non-Ph.D.-granting institution
- Minority-serving institution
- K-12 institution
- Foreign-based institution

FUNDING ARRANGEMENT FOR THIS PARTNER

(Mark all that apply)

Subaward to partner

- IGERT lead institution provides subaward to partner for the purposes of providing IGERT traineeship stipends to trainees.
- IGERT project provides subaward to partner for the purposes of providing services or support to IGERT Trainees.

Partner provides funding

- Partner provides funding to the IGERT project specifically for IGERT Trainees in any way (e.g., internships, travel, training).
- Partner provides funding to the IGERT project for research, curriculum, or other project activities, but not directly for trainees.

Other

- No funding/direct financial interaction is involved in this partnership.
- Other
Please specify:

ACTIVITIES FOR THIS PARTNER/INSTITUTION

(Mark all that apply)

- Facilities:** IGERT trainees or faculty use a partner organization's facilities for project activities.
- Collaborative Research/Teaching:** Partner organization's personnel work with IGERT project staff on collaborative research/teaching.
- Personnel Exchange:** IGERT Trainees, faculty and/or partner organization personnel use each other's facilities or work at each other's sites on an ad hoc or as-needed basis.
- Internships:** IGERT Trainees or faculty work in a partner's facilities specifically as interns.

ACCOMPLISHMENTS AND OUTCOMES

Please describe one **key** accomplishment or outcome (not activity) of **this** partnering arrangement for this reporting period.

Accomplishment/outcome

Characters: 0/1000
Limit: 1,000 characters

- I approve making the details of this partnership/collaboration available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written. These details specifically include the accomplishment/outcome.



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3f. Government Partnership / Collaboration Details

DETAILS ON THIS PARTNER

Agency name:

Type of government agency:
(Please select the best option)

- U.S. Federal agency or department
- U.S. Federal laboratory or research facility
- Foreign institution or foreign government/agency
If foreign, please indicate country |

FUNDING ARRANGEMENT FOR THIS PARTNER

(Mark all that apply)

- Subaward to partner**
- IGERT lead institution provides subaward to partner for the purposes of providing IGERT traineeship stipends to trainees.
 - IGERT project provides subaward to partner for the purposes of providing services or support to IGERT Trainees.
- Partner provides funding**
- Partner provides funding to the IGERT project specifically for IGERT Trainees in any way (e.g., internships, travel, training).
 - Partner provides funding to the IGERT project for research, curriculum, or other project activities, but not directly for trainees.
- Other**
- No funding/direct financial interaction is involved in this partnership.
 - Other
Please specify:

ACTIVITIES FOR THIS PARTNER/INSTITUTION

(Mark all that apply)

- Facilities:** IGERT trainees or faculty use a partner organization's facilities for project activities.
- Collaborative Research/Teaching:** Partner organization's personnel work with IGERT project staff on collaborative research/teaching.
- Personnel Exchange:** IGERT Trainees, faculty and/or partner organization personnel use each other's facilities or work at each other's sites on an ad hoc or as-needed basis.
- Internships:** IGERT Trainees or faculty work in a partner's facilities specifically as interns.

ACCOMPLISHMENTS AND OUTCOMES

Please describe one **key** accomplishment or outcome (not activity) of **this** partnering arrangement for this reporting period.

Accomplishment/outcome

Characters: 0/1000
Limit: 1,000 characters

I approve making the details of this partnership/collaboration available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written. These details specifically include the accomplishment/outcome.



MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3f. Corporate or Industrial Partnership / Collaboration Details

DETAILS ON THIS PARTNER

Business name:

Please select the descriptions that best fit the corporate or industrial partner:
 (Select one)

- Large company
- Small to mid-size company
- Startup company

Corporate headquarters:

(Select one)

- U.S.-based company
- Foreign-based company

Sector

Please select the sector that best describes the business of your corporate partner

-- Select a sector --

FUNDING ARRANGEMENT FOR THIS PARTNER

(Mark all that apply)

Subaward to partner

- IGERT lead institution provides subaward to partner for the purposes of providing IGERT traineeship stipends to trainees.
- IGERT project provides subaward to partner for the purposes of providing services or support to IGERT Trainees.

Partner provides funding

- Partner provides funding to the IGERT project specifically for IGERT Trainees in any way (e.g., internships, travel, training).
- Partner provides funding to the IGERT project for research, curriculum, or other project activities, but not directly for trainees.

Other

- No funding/direct financial interaction is involved in this partnership.
- Other

Please specify:

ACTIVITIES FOR THIS PARTNER/INSTITUTION

(Mark all that apply)

- Facilities:** IGERT trainees or faculty use a partner organization's facilities for project activities.
- Collaborative Research/Teaching:** Partner organization's personnel work with IGERT project staff on collaborative research/teaching.
- Personnel Exchange:** IGERT Trainees, faculty and/or partner organization personnel use each other's facilities or work at each other's sites on an ad hoc or as-needed basis.
- Internships:** IGERT Trainees or faculty work in a partner's facilities specifically as interns.

ACCOMPLISHMENTS AND OUTCOMES

Please describe one key accomplishment or outcome (not activity) of this partnering arrangement for this reporting period.

Accomplishment/outcome

Characters: 0/1000
 Limit: 1,000 characters

- I approve making the details of this partnership/collaboration available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written. These details specifically include the business name, location of the corporate headquarters (U.S. or foreign), sector, and the accomplishment/outcome.

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

3f. Other Partnership / Collaboration Details

DETAILS ON THIS PARTNER

Organization name:

FUNDING ARRANGEMENT FOR THIS PARTNER

(Mark all that apply)

Subaward to partner

- IGERT lead institution provides subaward to partner for the purposes of providing IGERT traineeship stipends to trainees.
- IGERT project provides subaward to partner for the purposes of providing services or support to IGERT Trainees.

Partner provides funding

- Partner provides funding to the IGERT project specifically for IGERT Trainees in any way (e.g., internships, travel, training).
- Partner provides funding to the IGERT project for research, curriculum, or other project activities, but not directly for trainees.

Other

- No funding/direct financial interaction is involved in this partnership.
- Other

Please specify:

ACTIVITIES FOR THIS PARTNER/INSTITUTION

(Mark all that apply)

- Facilities:** IGERT trainees or faculty use a partner organization's facilities for project activities.
- Collaborative Research/Teaching:** Partner organization's personnel work with IGERT project staff on collaborative research/teaching.
- Personnel Exchange:** IGERT Trainees, faculty and/or partner organization personnel use each other's facilities or work at each other's sites on an ad hoc or as-needed basis.
- Internships:** IGERT Trainees or faculty work in a partner's facilities specifically as interns.

ACCOMPLISHMENTS AND OUTCOMES

Please describe one key accomplishment or outcome (not activity) of this partnering arrangement for this reporting period.

Accomplishment/outcome

Characters: 0/1000
Limit: 1,000 characters

- I approve making the details of this partnership/collaboration available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written. These details specifically include the accomplishment/outcome.

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

4. Project Evaluation and Institutional Impacts

- a. [Project Evaluation](#)
- b. [Institutional Impacts](#)



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

4a. Project Evaluation

Do you have an overall plan with milestones and timelines for measuring progress toward attaining key IGERT project goals?

- Yes
- No

If your IGERT project paid for professional evaluation services external to the IGERT institution or used expertise internal to your institution to aid in the evaluation process, please share their contact information.

Organization/individual name:

Address:

Email address:

Phone:

Web site:

Was this an external evaluation service provider?

Please describe a key insight, and your response to it, if any, that has been identified through assessment and evaluation during this reporting period.

Insight/Learning

Characters: 0/1000
Limit: 1,000 characters

Response

Characters: 0/1000
Limit: 1,000 characters

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

Instructions

Help With This Screen

Frequently Asked Questions

Glossary

Print/Download Data

Add Comments

Contact Us

Survey Last Modified:
February 14, 2019

4b. Institutional Impacts

Please consider your responses to the following in light of changes/impacts that have occurred in your institution as a result of your IGERT project during this reporting period.

(Mark all that apply)

- The institution(s) involved in your IGERT project has/have been successful in obtaining large-scale Federal grants (e.g., STC, ERC, MRSEC).
- Interdisciplinary/multidisciplinary courses have been developed for IGERT Trainees and Associates.
- Interdisciplinary/multidisciplinary courses are being delivered to IGERT Trainees and Associates.
- Interdisciplinary/multidisciplinary courses that have been developed for IGERT are being delivered to non-IGERT students.
- New certificate or degree programs have been developed and are available on the IGERT campus(es).
- Department curriculum or policy changes took place to emphasize or require interdisciplinary/multidisciplinary preparation for all graduate students.
- Institutional changes that support and encourage team multidisciplinary/interdisciplinary course development and teaching have occurred.
- Institutional changes that support and encourage team-based graduate student learning and assessment have occurred.
- Institutional changes that support and encourage graduate students to gain laboratory and research experiences across disciplines have occurred.
- Institutional changes incorporating improved recruitment and retention policies and practices for underrepresented groups and women based on IGERT have occurred.
- Other
Please specify:

Please describe a demonstrable institutional change, if any, that has occurred during this reporting period due to IGERT:

Characters: 0/1000

Limit: 1,000 characters

- I approve making the contents of the text box above on demonstrable institutional changes available for use on the IGERT Resource Center Web site, viewable by the general public, as it is written.

Save Cancel



MAIN MENU

- 1. Project Summary >
- 2. Project Participants
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

5a. Journal Articles in Refereed Publications

Did your IGERT project have any journal articles published in refereed publications during the current reporting period?
 Yes No

IF YES, PLEASE PROVIDE CITATIONS

STEP 1: Prepare a list of citations for these articles.

*This list should contain **only** articles published in refereed journals during the **current reporting period**. Do **NOT** include articles that are in press, in preparation, under review, submitted but not accepted, or accepted but not yet published; either electronically or in print.*

Requirements for preparing the list of citations:

- [Use APA format](#)
- Start each citation on a new line
- Mark with an asterisk (*) any authors who have ever received funding from the IGERT project as IGERT trainees
- Include the year of the publication and DOI number for electronic publications
- Spell the journal name out fully (do not use an abbreviation)
- Do not use the same article more than once, even if published in multiple formats
- Do not use special characters (e.g., "", +, =, @) in the file name
- [Save the file in plain text \(.txt\) format](#)

STEP 2: Upload the citations list in .txt format.

No file chosen

Help with APA Format

A journal citation in APA style follows this format:

Last Name, First Initial, Middle Initial. (Year Published). Article Title. Journal Name. Vol No. (Issue No.), Page Range. URL or DOI (if published online only)

For example:

Herman, L. M., Kuczaj, S. A., III, & Holder, M. D. (1993). Responses to anomalous gestural sequences by a language-trained dolphin: Evidence for processing of semantic relations and syntactic information. *Journal of Experimental Psychology: General*, 122, 184-194

For more information see apa.org. Many academic library websites offer tools for generating APA style citations, including Harvard's Referencing Generator, <http://www.citethisforme.com>

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MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

5b. Journal Articles in Non-Refereed Publications

Did your IGERT Project have any journal articles published in non-refereed publications during the current reporting period?
 Yes No

IF YES, PLEASE PROVIDE CITATIONS

STEP 1: Prepare a list of citations for these articles.

*This list should contain **only** articles published in non-refereed journals during the **current reporting period**. Do NOT include articles that are in press, in preparation, under review, submitted but not accepted, or accepted but not yet published; either electronically or in print.*

Requirements for preparing the list of citations:

- [Use APA format](#)
- Start each citation on a new line
- Mark with an asterisk (*) any authors who have ever received funding from the IGERT project as IGERT trainees
- Include the year of the publication and DOI number for electronic publications
- Spell the journal name out fully (do not use an abbreviation)
- Do not use the same article more than once, even if published in multiple formats
- Do not use special characters (e.g., " ", +, =, @) in the file name
- [Save the file in plain text \(.txt\) format](#)

STEP 2: Upload the citations list in .txt format.

No file chosen

Help with APA Format

A journal citation in APA style follows this format:

Last Name, First Initial, Middle Initial. (Year Published). Article Title. Journal Name. Vol No. (Issue No.), Page Range. URL or DOI (if published online only)

For example:

Herman, L. M., Kuczaj, S. A., III, & Holder, M. D. (1993). Responses to anomalous gestural sequences by a language-trained dolphin: Evidence for processing of semantic relations and syntactic information. *Journal of Experimental Psychology: General*, 122, 184-194

For more information see apastyle.org. Many academic library websites offer tools for generating APA style citations, including Harvard's Referencing Generator, <http://www.citethisforme.com>

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MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

5c. Books

Did your IGERT Project have any books published during the current reporting period?

Yes No

IF YES, PLEASE PROVIDE CITATIONS

STEP 1: Prepare a list of citations for these articles.

*This list should contain **only** books published during the **current reporting period**. Do **NOT** include books that are in press, in preparation, under review, submitted but not accepted, or accepted but not yet published, either electronically or in print.*

Requirements for preparing the list of citations:

- [Use APA format](#)
- Start each citation on a new line
- Mark with an asterisk (*) any authors who have ever received funding from the IGERT project as IGERT trainees
- Include the publisher information (company name, city and state, or country of publication)
- Include the ISBN # or DOI
- Do not use abbreviations
- Do not use special characters (e.g., ", +, =, @) in the file name
- [Save the file in plain text \(.txt\) format](#)

STEP 2: Upload the citations list in .txt format.

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Help with APA Format

A book citation in APA style follows this format:

Last Name, First Initial, Middle Initial. (Year Published). Book Title. City of Publication: Publisher Name. ISBN# or DOI

For example:

Beck, C. A. J., & Sales, B. D. (2001). Family mediation: Facts, myths, and future prospects. Washington, DC: American Psychological Association. ISBN: 978-1557987488

For more information see apastyle.org. Many academic library websites offer tools for generating APA style citations, including Harvard's Referencing Generator, <http://www.citethisforme.com>

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2. Specify the file name and location, and select 'Plain Text' under Type.
3. Click Save.



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

5d. Book Chapters

Did your IGERT Project have any book chapters published during the current reporting period?

Yes No

IF YES, PLEASE PROVIDE CITATIONS

STEP 1: Prepare a list of citations for these articles.

*This list should contain **only** chapters from books that were published during the **current reporting period**. Do NOT include books that are in press, in preparation, under review, submitted but not accepted, or accepted but not yet published; either electronically or in print.*

Requirements for preparing the list of citations:

- [Use APA format](#)
- Start each citation on a new line
- Mark with an asterisk (*) any authors who have ever received funding from the IGERT project as IGERT trainees
- Include page range of the chapter
- Include the publisher information (company name, city and state, or country of publication)
- Include the ISBN # or DOI
- Do not use special characters (e.g., ", ", +, =, @) in the file name
- [Save the file in plain text \(.txt\) format](#)

STEP 2: Upload the citations list in .txt format.

No file chosen

Help with APA Format

A book citation in APA style follows this format:

Last Name, First Initial, Middle Initial. (Year Published). Book Chapter Title. In Book Author Last Name, First Initial, Middle Initial, Book Title (page range). City of Publication: Publisher Name. ISBN# or DOI

For example:

Massaro, D. (1992). Broadening the domain of the fuzzy logical model of perception. In H. L. Pick Jr., P. van den Broek, & D. C. Knill (Eds.), *Cognition: Conceptual and methodological issues* (pp. 51–84). Washington, DC: American Psychological Association. ISBN: 978-1429219488

For more information see apastyle.org. Many academic library websites offer tools for generating APA style citations, including Harvard's Referencing Generator, <http://www.citethisforme.com>

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3. Click Save.



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

5e. Patent Applications

Did your IGERT project submit any patent applications during the current reporting period?
 Yes No

IF YES, PLEASE PROVIDE CITATIONS

STEP 1: Prepare a list of citations for these patent applications.

*This list should contain **only** patent applications that were submitted during the **current reporting period** and that were submitted to the U.S. Patent Office or a foreign national patent authority.*

Requirements for preparing the list of citations:

- [Use APA format](#)
- Start each citation on a new line
- Mark with an asterisk (*) any applicants who have ever received funding from the IGERT project as IGERT trainees
- Include the application year
- Do not use special characters (e.g., ", +, =, @) in the file name
- [Save the file in plain text \(.txt\) format](#)

STEP 2: Upload the citations list in .txt format.

No file chosen

Help with APA Format

A patent application in APA style follows this format:

Last Name, First Initial, Middle Initial. (year application was submitted). Country, Patent Application Number. Location and office to which the patent was submitted.

For example:

Smith, I. M. (1988). U.S. Patent Application No. 123,445. Washington, DC: U.S. Patent and Trademark Office.

For more information see apa.org. Many academic library websites offer tools for generating APA style citations, including Harvard's Referencing Generator, <http://www.citethisforme.com>

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2. Specify the file name and location, and select 'Plain Text' under Type.
3. Click Save.



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

5f. Patents Awarded

Was your IGERT project awarded any patents during the current reporting period?
 Yes No

IF YES, PLEASE PROVIDE CITATIONS

STEP 1: Prepare a list of citations for these awarded patents.

This list should contain only patents awarded by the U.S. Patent Office or a foreign national patent authority during the current reporting period.

Requirements for preparing the list of citations:

- [Use APA format](#)
- Start each citation on a new line
- Mark with an asterisk (*) any applicants who have ever received funding from the IGERT project as IGERT trainees
- Do not include patent applications here, those belong in section 5e
- Do not use special characters (e.g., "", +, =, @) in the file name
- [Save the file in plain text \(.txt\) format](#)

STEP 2: Upload the citations list in .txt format.

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Help with APA Format

A patent awarded in APA style follows this format:

Last Name, First Initial, Middle Initial. (Year application was submitted). Country, Patent Number. Location: Office to which patent was submitted.

For example:

Smith, I. M. (1988). U.S. Patent No. 123,445. Washington, DC: U.S. Patent and Trademark Office.

For more information see apa.org. Many academic library websites offer tools for generating APA style citations, including Harvard's Referencing Generator, <http://www.citethisforme.com>

To save a document in plain text (.txt) format:

1. Choose File > Save As.
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3. Click Save.



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

5g. Conference Publications

Did your IGERT project have any conference publications during the current reporting period?
 Yes No

IF YES, PLEASE PROVIDE CITATIONS

STEP 1: Prepare a list of citations for these conference publications.

This list should contain only proceedings that were published during the current reporting period.
Requirements for preparing the list of citations:

- [Use APA format](#)
- Start each citation on a new line
- Mark with an asterisk (*) any authors who have ever received funding from the IGERT project as IGERT trainees
- Include the year of publication and DOI number for electronic publications
- Do not list the same publication more than once, even if published in multiple formats
- Do not use special characters (e.g., "", +, =, @) in the file name
- [Save the file in plain text \(.txt\) format](#)

STEP 2: Upload the citations list in .txt format.

No file chosen

Help with APA Format

A conference publication in APA style follows this format:

Last Name, First Initial, Middle Initial. (Year). Title of paper. In Editor (first initial, last name) (Ed.) Title of conference proceedings (page numbers). Place of publication: Publisher.

Examples:

Published proceedings, published contribution to a symposium, article or chapter in an edited book
 Deci, E. L., & Ryan, R. M. (1991). A motivational approach to self: Integration in personality. In R. Dienstbier (Ed.), Nebraska Symposium on Motivation: Vol. 38. Perspectives on motivation (pp. 237-288). Lincoln: University of Nebraska Press.

Proceedings published regularly
 Cynx, J., Williams, H., & Nottebohm, F. (1992). Hemispheric differences in avian song discrimination. Proceedings of the National Academy of Sciences, USA, 89, 1372-1375.

For more information see apa.org. Many academic library websites offer tools for generating APA style citations, including Harvard's Referencing Generator, <http://www.citethisforme.com>

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2. Specify the file name and location, and select 'Plain Text' under Type.
3. Click Save.



MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys >
- 7. Final Submission to NSF >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

5h. Conference Presentations

Did your IGERT project have any conference presentations during the current reporting period?
 Yes No

IF YES, PLEASE PROVIDE CITATIONS

STEP 1: Prepare a list of citations for these conference presentations.

This list should contain only presentations made during the current reporting period.
Requirements for preparing the list of citations:

- [Use APA format](#)
- Start each citation on a new line
- Mark with an asterisk (*) any authors who have ever received funding from the IGERT project as IGERT trainees
- Include a description of the type of presentation
- Include the month and year of the presentation
- Do not use special characters (e.g., ".", "+, =, @) in the file name
- [Save the file in plain text \(.txt\) format](#)

STEP 2: Upload the citations list in .txt format.

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Help with APA Format

A conference presentation in APA style follows this format:

Last Name, First Initial, Middle Initial. (Year, Month). Title of presentation. Type of presentation at Name of conference, location of presentation.

Examples:

Unpublished contribution to a symposium
 Lohstein, K. L., Johnson, R. S., Womack, T. D., Dean, J. E., & Childers, C. K. (1990, June). Relaxation therapy for polypharmacy use in elderly insomniacs and noninsomniacs. In T. L. Rosenthal (Chair), Reducing medication in geriatric populations. Symposium conducted at the meeting of the First International Congress of Behavioral Medicine, Uppsala, Sweden.

Unpublished paper presented at a meeting
 Lanktree, C., & Briere, J. (1991, January). Early data on the Trauma Symptom Checklist for Children (TSC-C). Paper presented at the meeting of the American Professional Society on the Abuse of Children, San Diego, CA.

Poster session
 Ruby, J., & Fulton, C. (1993, June). Beyond redlining: Editing software that works. Poster session presented at the annual meeting of the Society for Scholarly Publishing, Washington, DC.

For more information see apastyle.org. Many academic library websites offer tools for generating APA style citations, including Harvard's Referencing Generator, <http://www.citethisforme.com>

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3. Click Save.



Survey Collection for: Zack Freeman | Award ID: drecord

MAIN MENU

- 1. Project Summary >
- 2. Project Participants >
- 3. Project Features >
- 4. Evaluation and Impacts >
- 5. Publications/Presentations >
- 6. Trainee Surveys
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

6. Trainee and Associate Survey Monitoring

Your trainees must complete their surveys before you can submit your data to NSF. Use this screen to notify trainees that the survey is open, check their progress, and reopen their surveys if necessary.

Note: The Funding Status buttons (Funded or Formerly Funded) are linked to the same data you provide for each trainee in Section 2: Project Participants. The Funding Status must be selected before you can notify the trainees. However, once the funding status has been selected, it can only be changed in Section 2: Project Participants.

Be sure that you have entered all of the project advisors in [Section 2](#) before notifying your trainees; they will need advisor data in order to complete their surveys.

If you want to send an email message to an individual whose email address is not listed here, please enter the address in the corresponding box.

Data elements collected on the Trainee survey (Microsoft Word: 133 kb)
 (To view the downloaded files you will need to use Microsoft Word (for the .doc files). If you do not have this product on your machine, you may obtain a free reader to view the files at the link below.
[Get The Free Microsoft Word Viewer](#))

Trainee Monitoring

SURVEY STATUS	NAME	FUNDING STATUS	EMAIL	NOTIFY	DATE NOTIFIED	LAST LOGIN DATE	REOPEN
<input checked="" type="checkbox"/>	TEst, Test	Formerly Funded	<input type="text" value="patrick.higgins@icf.com"/>	<input type="checkbox"/>			
<input checked="" type="checkbox"/>	Testing, Test	Formerly Funded	<input type="text" value="patrick.higgins@icf.com"/>	<input type="checkbox"/>			

Associate Monitoring

NOTE: Associates are not required to complete their surveys in order for the PI to final submit.

SURVEY STATUS	NAME	EMAIL	NOTIFY	DATE NOTIFIED	LAST LOGIN DATE	REOPEN
<input checked="" type="checkbox"/>	Testttt, Testtt	<input type="text" value="test@test.com"/>	<input type="checkbox"/>			

You have not reported any CO-PI/Advisor. Please add Co-PI/Advisors in section 2 ([IGERT Project Personnel, Trainee, and Associate Details](#)).



MAIN MENU

- ✓ 1. Project Summary >
- ✓ 2. Project Participants >
- ✓ 3. Project Features >
- ✓ 4. Evaluation and Impacts >
- ✓ 5. Publications/Presentations >
- ✓ 6. Trainee Surveys >
- 7. Final Submission to NSF

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

OMB #3145-0226
Expires 4/30/2019

7. IGERT Final Submission

Final Data are Ready to Submit.

You have chosen to notify NSF that your data are final. Are you sure you are ready to finalize the data for this reporting year? After submission, the IGERT Data Reporting System will revert to a **read-only** version of your data. You will be able to view your final results, but not update them.

To submit your final data, click on **Send Final Submission** below. Click on **Cancel** to return to the Main Menu without submitting your data.

If you click **Cancel**, your data will be saved and you will still be able to report or revise your data. If you are confident that you have finished reporting your data, respond to the burden question below and click **Send Final Submission**.

Approximately how many person hours were required to complete the IGERT online survey?

I certify that all of the information that I entered in this annual report is correct to the best of my knowledge.



MAIN MENU

- ✓ 1. Project Summary >
- ✓ 2. Project Participants >
- ✓ 3. Project Features >
- ✓ 4. Evaluation and Impacts >
- ✓ 5. Publications/Presentations >
- ✓ 6. Trainee Surveys >

- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print/Download Data
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

OMB #3145-0226
Expires 4/30/2019

IGERT Final Submission Complete

Thank You. The information has been sent and submitted to NSF. You may return to the IGERT Data Reporting System site as often as you like to view the read-only version of the information you have sent.

Please click on **Return to Main Menu** below for Read-Only access to your data.


Survey Privacy

The Federal Government has a continuing commitment to monitor its awards to identify and address any inequities based on gender, race, ethnicity, or disability of the PIs, co-PIs, trainees, or other participants.

Information from this data collection system will be retained by NSF, a Federal agency, and will be an integral part of its Privacy Act System of Records in accordance with the Privacy Act of 1974 and maintained in the Education and Training System of Records 63 Fed. Reg. 264, 272 (January 5, 1998). All individually identifiable information supplied by individuals or institutions to a Federal agency may be used only for the purposes outlined in the system of records notice and may not be disclosed or used in identifiable form for any other purpose, unless otherwise compelled by law. These are confidential files accessible only to appropriate NSF officials, their staffs, and their contractors responsible for monitoring, assessing, and evaluating NSF programs. Only data in highly aggregated form or data explicitly requested "for general use" will be made available to anyone outside of NSF for research purposes. Data submitted will be used in accordance with criteria established by NSF for monitoring research and education grants, and in response to Public Law 99-333 and 42 USC 1885c. The Social Security number (SSN) will be maintained in accordance with the requirements of the Privacy Act of 1974. Submission of the SSN is voluntary. It is used for survey quality control, program evaluation, and matching with other data sets maintained in the Education and Training System of Records 63 Fed. Reg. 264, 272 (January 5, 1998).

[NSF Privacy Policy](#)

IGERT Screenshots: Trainee Survey

**IGERT Survey**

Welcome to the National Science Foundation's (NSF) Integrative Graduate Education Research Traineeship Program (IGERT) online Data Reporting system.

To enter IGERTWeb, please type your user name and your password in the boxes below, then click **Login**. If you did not receive your login information, please [email us](#) or call toll free at (800) 910-4138. If you have lost or forgotten your password, please use the [password reset feature below](#).

User Name

Password

Notice: The system is closed for maintenance every first Sunday between 7 a.m. and 10 a.m. eastern time. This system will log you out after 1 hour of inactivity. You must re-enter your user name and password to login to the IGERT System again.

Did you forget your user name or password?
Submit your email address associated with your IGERT account, and we will email you a new temporary password.

Email:

Survey Privacy
The Federal Government has a continuing commitment to monitor its awards to identify and address any inequities based on gender, race, ethnicity, or disability of the PIs, co-PIs, trainees, or other participants.

Information from this data collection system will be retained by NSF, a Federal agency, and will be an integral part of its Privacy Act System of Records in accordance with the Privacy Act of 1974 and maintained in the Education and Training System of Records 63 Fed. Reg. 264, 272 (January 5, 1998). All individually identifiable information supplied by individuals or institutions to a Federal agency may be used only for the purposes outlined in the system of records notice and may not be disclosed or used in identifiable form for any other purpose, unless otherwise compelled by law. These are confidential files accessible only to appropriate NSF officials, their staffs, and their contractors responsible for monitoring, assessing, and evaluating NSF programs. Only data in highly aggregated form or data explicitly requested "for general use" will be made available to anyone outside of NSF for research purposes. Data submitted will be used in accordance with criteria established by NSF for monitoring research and education grants, and in response to Public Law 99-383 and 42 USC 1885c. The Social Security number (SSN) will be maintained in accordance with the requirements of the Privacy Act of 1974. Submission of the SSN is voluntary. It is used for survey quality control, program evaluation, and matching with other data sets maintained in the Education and Training System of Records 63 Fed. Reg. 264, 272 (January 5, 1998).

[NSF Privacy Policy](#)

Public Burden
Submission of the requested information is voluntary. Failure to provide full and complete information, however, may reduce the possibility for continuing support through the award/project subject to this survey. Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to, an information collection unless it displays a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 3145-0226. The annual public reporting burden for this collection of information is estimated to average 113 hours per award including the time for reviewing instructions; 54 hours per PI survey and 2 hours per IGERT trainee/associate survey. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Suzanne Plimpton, Reports Clearance Officer for OMB Collection 3145-0226 (IGERT Program), National Science Foundation, 4201 Wilson Blvd., Rm. 296, Arlington, VA 22230.

OMB #3145-0226
Expires 4/30/2019



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

MAIN MENU

Welcome to the National Science Foundation's (NSF) **Integrative Graduate Education Research Traineeship (IGERT) Program** Annual Survey. We have designed this system to make it easy for you to report on your IGERT project's progress. See [Instructions](#) for help getting started.

NOTE: Your answers to all questions in this survey will be kept confidential. Information that you provide will **not** be available to your principal investigator (PI), or anyone else. Your PI will, however, be able to see the status of your submission because he or she will be unable to submit his or her own data until you have completed your survey.

- About You**
Provide your name, years of program involvement, and permanent contact information.

- Prior Experiences**
Provide basic information about your academic and professional experiences prior to your IGERT traineeship.

- Achievements**
Report any academic or professional achievements (e.g., publications, fellowships, honors) that you made during the current reporting period.

- Research Preparation**
Report any activities you engaged in that prepared you to participate in multidisciplinary or interdisciplinary research.

- Professional Skills**
Report any activities you engaged in that helped you develop professional skills.

- Career Preparation**
Report any activities you engaged in that prepared you for a career in a science, technology, engineering, or mathematics (STEM) field. **Note:** Economics is considered a STEM field.

- Internships**
Report any internships in which you participated.

- International Experiences**
Report any international experiences that were part of your IGERT traineeship.

- Comments**
Describe the greatest benefit of your experience and share your ideas for improving the program.

- Training Confirmation**
Describe your overall training and stipend throughout the year.

- Final Submission to NSF**
Send the authorized final submission of your survey to NSF.



MAIN MENU

- [About You](#) >
- [Prior Experiences](#)
- [Achievements](#)
- [Research Preparation](#)
- [Professional Skills](#)
- [Career Preparation](#)
- [Internships](#)
- [International Experiences](#)
- [Comments](#)
- [Training Confirmation](#)
- [Final Submit to NSF](#)

- [Return to Main Menu](#)
- [Instructions](#)
- [Help With This Screen](#)
- [Frequently Asked Questions](#)
- [Glossary](#)
- [Print Data Entered to Date](#)
- [Add Comments](#)
- [Contact Us](#)

Survey Last Modified:
Not Yet Modified

1. About You

Please provide the information requested below.

- 1a. [Name and Contact Info](#)
- 1b. [Demographics](#)
- 1c. [Your Major and Interests](#)
- 1d. [IGERT Advisors](#)
- 1e. [Graduation Plans](#)



MAIN MENU

- ▣ About You >
- ▣ Prior Experiences
- ▣ Achievements
- ▣ Research Preparation
- ▣ Professional Skills
- ▣ Career Preparation
- ▣ Internships
- ▣ International Experiences
- ▣ Comments
- ▣ Training Confirmation
- ▣ Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

▣ 1a. Name and Contact Info

NOTE: Your answers to all questions in this survey will be kept confidential. Information that you provide will not be available to your principal investigator (PI), or anyone else. Your PI will, however, be able to see the status of your submission because he or she will be unable to submit his or her own data until you have completed your survey.

YOUR NAME

First Name:

Middle Initial:

Last Name:

Previous Surname:

PROJECT YEARS ACTIVE:

As reported by the PI:
Trainee supported for 2 months during the 2016-2017 project year.

YOUR CURRENT ADDRESS

Institution Name: Mississippi State University

Department:

Current Address:

Current City:

Current State:

ZIP Code:

Phone (xxx-xxx-xxxx):

Extension:

Fax (xxx-xxx-xxxx):

Email Address:

Web URL:

YOUR PERMANENT CONTACT INFORMATION (VOLUNTARY)

NSF would like to contact you after you graduate from the IGERT program to follow up on your career. Reporting of contact data, including your Social Security number, is strictly voluntary. This information will be used solely for this purpose and will not be shared with anyone.

Last Four Digits of Your Social Security Number: ****

If you have one, please provide a personal email address other than your current school email address.

Personal Email Address:

Who will know how to reach you in the future?

Please provide the name and address of a person likely to know how to reach you in 3 years.

Contact Person's Name:

Relationship to You:

Contact Person's Address:

Contact Person's City:

Contact Person's State:

Contact Person's ZIP Code:

Contact Person's Country:

Contact Person's Phone Number (xxx-xxx-xxxx):

Extension:

Contact Person's Email Address:



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- [Return to Main Menu](#)
- [Instructions](#)
- [Help With This Screen](#)
- [Frequently Asked Questions](#)
- [Glossary](#)
- [Print Data Entered to Date](#)
- [Add Comments](#)
- [Contact Us](#)

Survey Last Modified:
Not Yet Modified

1b. Demographics

Answering the following questions is optional; however, this information is very helpful to the program.

ETHNICITY (Choose one)

- Hispanic or Latino
- Not Hispanic or Latino
- Not Reported

RACE (Mark all that apply)

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White
- Not Reported

GENDER (Choose one)

- Male
- Female
- Not Reported

DISABILITY STATUS (Choose one)

- Yes (Check yes if any of the following apply)
 - Deaf or serious difficulty hearing
 - Blind or serious difficulty seeing even when wearing glasses
 - Serious difficulty walking or climbing stairs
 - Other serious disability related to a physical, mental, or emotional condition
- No
- Do not wish to provide

CITIZENSHIP (Choose one)

- U.S. Citizen/U.S. National
- U.S. Permanent Resident
Date Permanent Resident Alien Status Was Granted:
- Other Non-U.S. Citizen
- Not Reported

STATE OR COUNTRY OF BIRTH (Choose one)

State/U.S. Territory of Birth:

Or

Country of Birth (If not U.S. or U.S. Territory):



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

1c. Your Major and Interests

YOUR CURRENT MAJOR

Major:

Note: Artificial Intelligence major includes robotics, computer vision, and human language processing.

If other major, please specify:

Please ensure that your other major is not included in the provided list of majors.

Degree sought (current):

If other degree, please specify:

YOUR RESEARCH INTERESTS

Provide a brief description of your research interest/topic:

Characters: 0/300

(Limit: 300 characters)

Does your research involve any of the following? (Mark all that apply)

- Bioinformatics
- Biological evolution and development
- Biotechnology
- Civil infrastructure monitoring and improvement
- Climate change: impacts and factors
- Computational science and engineering
- Device development
- Energy: alternate and renewable resources and conservation
- Entrepreneurialism
- Human, social, and community sciences
- Imaging
- Materials science and engineering
- Nanoscience: engineering and technology
- Neuroscience: biology and psychology
- Sensing, signals, and signal processing
- Sustainability: ecology and the environment
- Water resources: conservation, utilization, and quality
- Other, please specify:



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

1d. IGERT Advisors

NOTE: Your answers to all questions in this survey will be kept confidential. Information that you provide will not be available to your principal investigator (PI), or anyone else. Your PI will, however, be able to see the status of your submission because he or she will be unable to submit his or her own data until you have completed your survey.

WHO ARE YOUR IGERT ADVISORS?

Mark the checkboxes below to indicate which advisors on this list have been assigned to you. If your advisor is not shown, you can add an advisor to the list using the **Save and Add Another Advisor** button at the bottom of the screen.

Zack Freeman

All fields are required for a new advisor

Advisor's First Name:

Advisor's Last Name:

Advisor's Email Address:

How often was this person involved in your IGERT activities?

- Always Often Sometimes Never



- MAIN MENU**
- About You >
 - Prior Experiences
 - Achievements
 - Research Preparation
 - Professional Skills
 - Career Preparation
 - Internships
 - International Experiences
 - Comments
 - Training Confirmation
 - Final Submit to NSF
- Return to Main Menu
 Instructions
 Help With This Screen
 Frequently Asked Questions
 Glossary
 Print Data Entered to Date
 Add Comments
 Contact Us
- Survey Last Modified:
 Not Yet Modified

1e. Graduation Plans

Expected or Actual Graduation Date: - Month - - Year -

If you have graduated, or you expect to graduate within 1 year of May 31, 2018, what type of employment opportunities are you pursuing?

If you are pursuing multiple employment opportunities, please indicate your top choice.

OPPORTUNITIES YOU ARE PURSUING	TOP CHOICE
Government	
<input type="checkbox"/> Postdoctoral	<input type="radio"/>
<input type="checkbox"/> Full-time position	<input type="radio"/>
<input type="checkbox"/> Part-time position	<input type="radio"/>
Industry/Business	
<input type="checkbox"/> Postdoctoral	<input type="radio"/>
<input type="checkbox"/> Full-time position	<input type="radio"/>
<input type="checkbox"/> Part-time position	<input type="radio"/>
Educational Institution (college, university, or K-12)	
<input type="checkbox"/> Postdoctoral	<input type="radio"/>
<input type="checkbox"/> Tenure-track faculty	<input type="radio"/>
<input type="checkbox"/> Nontenure-track faculty	<input type="radio"/>
<input type="checkbox"/> Staff	<input type="radio"/>
Nonprofit	
<input type="checkbox"/> Postdoctoral	<input type="radio"/>
<input type="checkbox"/> Full-time position	<input type="radio"/>
<input type="checkbox"/> Part-time position	<input type="radio"/>
<input type="checkbox"/> Self-Employed/Entrepreneur	<input type="radio"/>

Save Cancel



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

2. Prior Experiences

Please enter the information requested on your academic/professional background prior to becoming an IGERT trainee.

NOTE: Your answers to all questions in this survey will be kept confidential. Information that you provide will not be available to your principal investigator (PI), or anyone else. Your PI will, however, be able to see the status of your submission because he or she will be unable to submit his or her own data until you have completed your survey.

High School Background

Name of high school/secondary school/institution from which you graduated/received a diploma:

School type:

If other type school, please specify:

City:

U.S. State/ U.S. Territory:

ZIP Code:

Non-U.S. high school country:

Undergraduate Background Prior to IGERT Traineeship

Institution name

If other institution, please specify:

City:

State:

Non-U.S. undergraduate country:

When did you receive your first undergraduate degree:

Undergraduate degree type:

If other degree, please specify:

Major:

If other major, please specify:

For double majors, select second major:

If other major, please specify:

Post-Undergraduate Degree Prior to IGERT Traineeship

Did you obtain a post-undergraduate degree prior to becoming an IGERT trainee?

- Yes
- No

Institution name:

Other institution name:

City:

State:

Non-U.S. post-undergraduate country:

Major:

If other major, please specify:

Department:

Post-undergraduate degree type:

If other post-undergraduate degree type, please specify:

Note: Use most recent degree if more than one degree has been awarded.

When did you receive your post-undergraduate degree:

Employment prior to IGERT Traineeship

Were you employed in the public or private sector for 1 or more years after receiving your first undergraduate degree and prior to becoming an IGERT trainee?

- Yes
- No

Note: Employment as a research assistant or teaching assistant while pursuing a master's degree does NOT count as employment.

Total number of years (equal to or greater than 1 year, to the nearest year) you were employed in the public or private sector after receiving your first undergraduate degree and prior to becoming an IGERT trainee:



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
February 19, 2018

3. Achievements

Please provide information on any awards that you have received or scholarly achievements during the current reporting period.

Your PI provides information on your achievements in the Journal Articles in Refereed Publications, Journal Articles in Non-Refereed Publications, Books, Book Chapters, Patent Applications, Patents Awarded, Conference Publications, and Conference Presentations sections of the PI survey, so you do not need to provide these data here.

Note: Information that you provide on this screen will be available to your PI.

a. Publications, patents, and presentations provided by the PI

If you know of IGERT-related Journal Articles in Refereed Publications, Journal Articles in Non-Refereed Publications, Books, Book Chapters, Patent Applications, Patents Awarded, Conference Publications, and Conference Presentations, that do not appear on the list provided by the PI, Elizabeth Faucher, please [contact the PI](#) with this information.

[View data provided by the PI on your achievements](#)

b. Fellowships, scholarships, and grants other than IGERT

- This is a test-this is only a test name
- [β1 integrins regulate the ability of oligodendrocytes to myelinate axons in the cerebral cortex.](#)
- ?okina

[Add fellowship, scholarship, and grant information >>](#)

c. Other honors and recognition

[Add honors and recognition information >>](#)

d. Please describe what you consider to be your major research or education accomplishment made possible as a result of your participation in your IGERT project during this reporting year.

Characters: 0/1000
Limit: 1,000 characters



MAIN MENU

- ✓ About You >
- ✓ Prior Experiences
- ▣ Achievements
- ▣ Research Preparation
- ▣ Professional Skills
- ▣ Career Preparation
- ▣ Internships
- ✓ International Experiences
- ▣ Comments
- ▣ Training Confirmation
- ▣ Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

✓ 3b. Fellowships, Scholarships, and Grants Other Than IGERT

Please provide information on any fellowship, scholarship, and grants other than IGERT you have received during the current reporting period.

Note: Information that you provide on this screen will be available to your PI.

Title of fellowship, scholarship, or grant (if any):
- Title -

If other fellowship, please specify:

Proposal Title:

Year Awarded: (yyyy)

Awarding Agency/Organization:



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- [Return to Main Menu](#)
- [Instructions](#)
- [Help With This Screen](#)
- [Frequently Asked Questions](#)
- [Glossary](#)
- [Print Data Entered to Date](#)
- [Add Comments](#)
- [Contact Us](#)

Survey Last Modified:
February 14, 2019

3c. Other Honors and Recognition

Please provide information on any honors and recognition that you received during the current reporting period.

Note: Information that you provide on this screen will be available to your PI.

Title of honor or recognition:

If other title, please specify:

Year: (yyyy)

Society/Granting Organization:



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

4. Research Preparation

Please indicate which of the following activities you engaged in during this reporting period.

(Mark all that apply)

- Undertook formal coursework/training in research methods, practices, and instrumentation in your primary discipline equivalent to traditional graduate students
- Had practical, hands-on laboratory, and/or field experience in conducting research across the breadth of disciplines in the IGERT program
- Undertook formal coursework/training across the breadth of disciplines encompassed by the IGERT project
- Undertook formal coursework/training in both the ethical conduct of research and ethical conduct related to the themes encompassed by your IGERT project
- Other preparation to conduct high-quality research
Please specify:
- Please check here if you were not engaged in any of the activities listed above during this reporting period.

How many courses/seminars did you take in disciplines outside of your primary discipline during this reporting period?

How many courses/seminars did you take in your primary discipline during this reporting period?

How many courses/seminars did you take that specifically covered interdisciplinary topics related to your IGERT project during this reporting period?



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

Return to Main Menu
 Instructions
 Help With This Screen
 Frequently Asked Questions
 Glossary
 Print Data Entered to Date
 Add Comments
 Contact Us

Survey Last Modified:
 Not Yet Modified

5. Professional Skills

Please indicate which of the following activities you engaged in during this reporting period.
 (Mark all that apply)

- Undertook coursework/training that included regular faculty critique of and feedback on professional writing
- Authored, submitted, or published research papers in refereed journals
- Undertook coursework/training (e.g., brown bags, seminars) that included regular critique of and feedback on professional speaking/presentation skills
- Made presentations at academic/scientific professional conferences or meetings
- Presented results from IGERT activities to professional, nonacademic audiences (e.g., industry, government)
- Undertook coursework/training to develop media-based or information technology-based communication skills
- Produced multimedia materials, Web sites, or other cyber-enabled tools to communicate the results of IGERT activities to external audiences
- Used multimedia materials, Web sites, or other cyber-enabled tools as part of the interdisciplinary scientific training and collaboration
- Received training in team-building and project management skills
- Received training in effective time and task management
- Participated as a member of teams engaged in joint research, education, and/or outreach efforts
- Led teams engaged in research, education, and/or outreach efforts
- Other preparation in professional skills development
 Please specify:
- Please mark this checkbox if you were not engaged in any of the activities listed above during this reporting period.



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

6. Career Preparation

Report any activities you engaged in that prepared you for a career in a science, technology, engineering, or mathematics (STEM) field.
Note: Economics is considered a STEM field.

Please describe what you consider to be the most beneficial IGERT training experience or component that has prepared you to be successful in a science or engineering career in an international/global setting. **Note:** This can include U.S.-based experiences.

Characters: 0/1000
 Limit: 1,000 characters

Please indicate which of the following activities you engaged in during this reporting period.

(Mark all that apply)

- Received training or instruction (e.g., courses, workshops) in effective teaching practices and student mentoring
- Developed and presented course and/or curriculum materials
- Served as a mentor to others (e.g., graduate students, undergraduates, laboratory technicians)
- Received training/mentoring in grant proposal preparation
- Authored/co-authored and submitted grant proposals
- Received training/instruction on the intersection between academic research and industrial technical requirements
- Received training/instruction for applying your research to address public policy concerns or issues
- Had an internship (an off-campus, research, educational, and/or work experience) in a nonacademic setting (e.g., industry, government)
- Had professional interactions other than internships with nonacademic employers (e.g. industry, government) in order to learn about career opportunities and requirements
- Communicated, worked, or collaborated with scientists of other nationalities
- Other preparation for careers in academia
Please specify:
- Other preparation for nonacademic careers (e.g., industry, government)
Please specify:
- Please check here if you were not engaged in any of the activities listed above during this reporting period.



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

7. Internships

NOTE: Your answers to all questions in this survey will be kept confidential. Information that you provide will not be available to your principal investigator (PI), or anyone else. Your PI will, however, be able to see the status of your submission because he or she will be unable to submit his or her own data until you have completed your survey.

INTERNSHIP SETTING

Have you taken part in any internships lasting 1 month or more with industries or businesses, government laboratories or agencies, or nonprofit organizations during this reporting period?

- Yes
- No

Save Cancel



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

- Survey Last Modified:
February 14, 2019

7. Internships

NOTE: Your answers to all questions in this survey will be kept confidential. Information that you provide will not be available to your principal investigator (PI), or anyone else. Your PI will, however, be able to see the status of your submission because he or she will be unable to submit his or her own data until you have completed your survey.

INTERNSHIP 1

Company/Agency Name:

Duration:

Setting:

Location:

City:

State/U.S. Territory:

If non-U.S. internship, please specify:

Please indicate the internship contributions that have prepared you for your career during this reporting period.
(Mark all that apply)

- Received training/instruction on the interaction between academic research and industrial technical requirements
- Received training/instruction for applying your research to address public policy concerns or issues
- Engaged in professional interactions other than internships with nonacademic employers (e.g. industry, government) in order to learn about career opportunities and requirements
- Communicated, worked, or collaborated with scientists of other nationalities
- Other preparation for nonacademic careers (e.g., industry, government)

Please specify:

For Internship 1 reported above, please identify the name of the company, agency, or organization at which the internship was served and describe what you consider to be the most beneficial professional or career-related aspect.

Characters: 0/1000
Limit: 1,000 characters



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

8. International Experiences

NOTE: Your answers to all questions in this survey will be kept confidential. Information that you provide will not be available to your principal investigator (PI), or anyone else. Your PI will, however, be able to see the status of your submission because he or she will be unable to submit his or her own data until you have completed your survey.

INTERNATIONAL EXPERIENCES

Did you have an international experience this year?

Yes

No

Save

Cancel



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

8. International Experiences

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INTERNATIONAL EXPERIENCE 1

Was this international experience related to your IGERT research?

Yes
 No

International experience duration:
- Duration -

Please identify the primary country in which the international activities occurred.
- Country -

What activities were you engaged in during your international experience?
(Mark all that apply)

Attended conferences/workshops outside the United States
 Undertook coursework/training outside the United States
 Worked, conducted research/fieldwork, or interned outside the United States
 Other
Please specify:

Were you formally prepared for your international experience?

Yes
 No

If yes, what experiences were included in the preparation for your international experience?
(Mark all that apply)

How to work in a foreign laboratory/conduct field work
 Graduate education/education/laboratory differences in country to be visited
 Language
 Cultural differences
 Learning about the area
 Other
Please specify:

What did you accomplish during your international experience?

(Mark all that apply)

- Awards/honors/recognitions
- Broader impacts
- Invention/patent
- Presentations
- Publications
- Other

Please specify:

If you took part in international activities during this reporting period, please describe what you consider to be the most beneficial professional or career-related aspect of these activities.

Characters: 0/1000

Limit: 1,000 characters

Save

Save and Add Another International Experience

Cancel



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments**
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

9. Comments

BENEFIT OF IGERT

In the text box below, please describe what you consider to be the most beneficial aspect of being an IGERT trainee during this reporting period. This may include: 1) an opportunity you had as a result of being an IGERT trainee that has significantly affected your professional development, 2) an aspect of the project that provided exceptional added value to your educational experience, or 3) an aspect of the project that has been especially successful and/or represents a change from the way that graduate students are usually educated at your institution.

Characters: 0/1000
Limit: 1,000 characters

OPPORTUNITY FOR IMPROVEMENT

Please describe what you consider to be the most important opportunity for improvement in the IGERT program with which you are associated.

Characters: 0/1000
Limit: 1,000 characters



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
Not Yet Modified

10. Training Confirmation

TRAINING CONFIRMATION

How many hours per week did you spend on programmatic activities?

Did you participate in regular training throughout the year?

Yes

No

Describe the training you received:

Characters: 0/1000
Limit: 1,000 characters

How frequently did you receive training?

- Frequency - ▾

If other training frequency, please specify:

FUNDING CONFIRMATION

What was your stipend amount?

\$30,000 gross annually (\$2,500 gross per month)

Other gross amount per year

Please specify:

How does your traineeship stipend compare to stipends received by regular teaching or research assistants at your organization?

Greater than others

Equal to others

Less than others

NSF provides your affiliated organization with a \$10,500 cost of education allowance with a 1-year traineeship in lieu of all required tuition and fees. How much would it cost if you had to pay the normal charges yourself?

\$

Did you have to pay any tuition or fees this year?

Yes

No

If yes, how much did you have to pay?

\$



MAIN MENU

- ✓ About You >
- ✓ Prior Experiences
- ✓ Achievements
- ✓ Research Preparation
- ✓ Professional Skills
- ✓ Career Preparation
- ✓ Internships
- ✓ International Experiences
- ✓ Comments
- ✓ Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
February 14, 2019

IGERT Trainee Final Submission

Final Data are Ready to Submit.

You have chosen to notify NSF that your data are final. Are you sure you are ready to finalize the data for this reporting year? After submission, the IGERT Trainee Data Reporting System will revert to a **read-only** version of your data. You will be able to view your final results, but not update them.

To submit your final data, click on **Send Final Submission** below. Click on **Cancel** to return to the Main Menu without submitting your data.

If you click **Cancel**, your data will be saved and you will still be able to report or revise your data. If you are confident that you have finished reporting your data, respond to the burden question below and click **Send Final Submission**.

Approximately how many person hours were required to complete the IGERT Trainee online survey?

I certify that all of the information that I entered in this annual report is correct to the best of my knowledge.

Cancel

Send Final Submission



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
February 19, 2018

Contact Us

Please see the [Frequently Asked Questions](#); you might find answers to your questions there.

You can contact us by phone at (800) 910-4138 or use the form below to send us an email message.

TO: support@gertweb.org

CC:
To receive a copy of this message, type your email address above.

FROM: Elizabeth.Faucher@icf.com
To ensure timely response, type your email address above.

SUBJECT:

MESSAGE: Name:
Phone Number:



MAIN MENU

- About You >
- Prior Experiences
- Achievements
- Research Preparation
- Professional Skills
- Career Preparation
- Internships
- International Experiences
- Comments
- Training Confirmation
- Final Submit to NSF

- Return to Main Menu
- Instructions
- Help With This Screen
- Frequently Asked Questions
- Glossary
- Print Data Entered to Date
- Add Comments
- Contact Us

Survey Last Modified:
February 19, 2018

IGERT Comments

If you would like to supply any comments about your IGERT project, please do so below.

SUBJECT	COMMENTS
General Comment ▼	<input type="text"/>
<input type="button" value="Add Comment"/>	