

## **Appendix A. Instruments**

IRFP Applicants Survey

EAPSI Applicants Survey

IRFP Host Survey

EAPSI Host Survey

EAPSI Advisor Survey

Interview Guide for EAPSI Program Manager in Foreign Location

Interview Guide for EAPSI Agency Official in Foreign Location

**Introductory screen:**

**Survey of former applicants to the  
National Science Foundation's  
International Research Fellowship Program (IRFP)**

**Welcome and thank for your interest in this study.** This survey is being conducted by Abt Associates Inc., and our subsidiary, AbtSRBI, for the National Science Foundation (NSF), to learn about the experiences, career choices, and professional activities of individuals who applied to NSF's International Research Fellowship Program (IRFP). You are receiving this survey because you are listed in the IRFP database as an applicant to IRFP.

**Confidentiality and Participation**

Participation in the survey is voluntary and nonparticipation will have no impact on you or your institution. You may skip questions on the survey or discontinue participation at any time. There are minimal risks associated with your participation. We take your privacy very seriously. Your responses to this survey will be protected under the Privacy Act. There is minimal risk of breach of confidentiality, and we have put in place procedures to minimize this risk. Reports will never identify you by name, and information from the study will only be reported in the aggregate at the program level, combined with about 250 other responses. When we receive your survey we will detach and store separately your name and other identifying information that could be used to link you to your survey responses. Survey responses will be stored on a secure drive that is only accessible to members on the study team. Only study team web technicians and data analysts from Abt Associates and AbtSRBI will see individual responses that can be linked to you. Survey data files will be shared with NSF at the end of the study, only after study team members have examined the data to be free of any information that could help identify you; this cleaning includes procedures to limit someone from inferring your identity by analyzing non-identifying data. Hence, we encourage you to respond candidly about your experiences. Separate from your individual responses to the survey we will provide NSF any updated contact information we have found or requested from you. None of this contact information will be linked in any way to your survey responses. At the conclusion of the study, Abt Associates and AbtSRBI will destroy all records, electronic or otherwise, that link you to your survey responses.

This study's IRB approval number is #0494, valid from 8/6/2010 to 8/5/2011. For questions, please contact Teresa Doksum, IRB Administrator, Abt Associates, at IRB@abtassoc.com.

The valid OMB control no. for this information collection is xx-xxxxx. (Expires on mm/dd/yyyy)

**Continue**

**Next screen:**

## **IRFP applicant survey**

### **Completing the Survey**

We estimate that it will take approximately 30 minutes to complete the survey. If you have questions about the study, please contact the study director, Alina Martinez of Abt Associates Inc. at (866) 421-6223 (toll free within the U.S.) or email her at [IRFP\\_survey@abtassoc.com](mailto:IRFP_survey@abtassoc.com). You may also contact the evaluation's program officer at NSF, John Tsapogas ([jtsapoga@nsf.gov](mailto:jtsapoga@nsf.gov)). If you have questions about your rights as a research participant, you may contact Teresa Doksum, the Abt Institutional Review Board Administrator at (877) 520-6835 (toll-free within the U.S.) or by email: [irb@abtassoc.com](mailto:irb@abtassoc.com).

To learn more about this study, please refer to the [Frequently Asked Questions](#) page.

### **Navigating through the survey:**

As you work through the survey, your responses are automatically saved. You may change a response by clicking on the **PREVIOUS ITEM** button. Use the **NEXT ITEM** button to advance to the next question.

At any time, you may click on the **SAVE & FINISH LATER** button if you wish to temporarily pause the survey and return to it at a later time.

On each page of the survey, a **HELP** button is provided if you experience technical difficulties with the online survey. This button will allow you to send a request for assistance to the survey's website administrator.

When you have completed the survey, please click on the **SUBMIT** button at the end of the survey. You may submit the survey even if there are some questions that you choose not to answer.

### **Consent**

Please click on "Begin" if you agree to participate in this study. **BEGIN**

FAQs are Optional screens, displayed only if R clicks on Frequently Asked Questions

## FREQUENTLY ASKED QUESTIONS

- [What is the International Research Fellowship Program \(IRFP\)?](#)
- [Why are you doing this study?](#)
- [Why have I been selected to participate in this survey?](#)
- [How did you get my contact information?](#)
- [How long will this survey take to complete?](#)
- [How will you use my comments?](#)
- [Does this study have human subjects review clearance?](#)
- [Who is funding the study?](#)
- [Who are Abt Associates Inc and AbtSRBI?](#)

### ***What is the International Research Fellowship Program (IRFP)?***

The International Research Fellowship Program (IRFP) is a National Science Foundation (NSF) program that provides support for new doctoral-level scientists and engineers to conduct research in a foreign country for a period of 3 to 24 months.

### ***Why are you doing this study?***

NSF is interested in learning about the characteristics of scientists and engineers who applied for an IRFP Fellowship between 1992 and 2009. Information about the domestic and international experiences of IRFP participants and non-participants will help NSF understand the usefulness and relevance of international research training for scientists and engineers. Information from this study will be used to describe the experiences and career paths of new Ph.D. scientists and engineers who expressed interest in pursuing an international collaboration.

### ***Why have I been selected to participate in this survey?***

You have been selected to participate because we have identified you as having applied to the International Research Fellowship Program (IRFP).

### ***How did you get my contact information?***

We identified you from records maintained by the National Science Foundation on prior IRFP applicants. We then obtained your contact information through an internet search.

### ***How long will this survey take to complete?***

We estimate that the survey will take about 30 minutes.

### ***How will you use my comments?***

Responses from all survey respondents will be used to answer questions about IRFP applicants' early career trajectories, the nature of their research collaborations both within and outside of the U.S., and their subsequent career paths.

***Has this study been reviewed and approved by an institutional review board?***

Yes, the study was also approved by Abt Associates' Institutional Review Board. If you have any concerns about your participation in this survey, please contact Teresa Doksum, Institutional Review Board Administrator at Abt Associates, at (877) 520-6835 or via email at [irb@abtassoc.com](mailto:irb@abtassoc.com).

***Who is funding the study?***

The study has been funded by the National Science Foundation under contract GS-10F-0086K. Abt Associates and AbtSRBI will complete the study.

***Who are Abt Associates Inc and AbtSRBI?***

Abt Associates is an independent research firm headquartered in Cambridge, Massachusetts. AbtSRBI is a wholly-owned subsidiary of Abt Associates specializing in large-scale data collection and public opinion research. NSF has contracted with Abt Associates and AbtSRBI to design and implement a survey of individuals who applied to NSF's International Research Fellowship Program (IRFP).

## IRFP applicant survey

The header above in dark blue should appear at top of each survey screen.

### MODULE A: VERIFYING INFORMATION ABOUT YOU

To begin, we'd like to confirm that we've reached the appropriate person.

A1. Based on the information that you provided to NSF in your application, your name is [First Name, Middle Name/initial, Last Name]. Is this correct?

No, my name has changed or my name is misspelled above. My name is: [textbox, 75]  
→ **FORMER IRFP FELLOWS, GO TO A2.1**  
**IRFP UNFUNDED APPLICANTS, GO TO A2.2**

No, I'm not the person named above. → **EXIT SCREEN**

Yes, this is correct. → **FORMER IRFP FELLOWS, GO TO A2.1**  
**IRFP UNFUNDED APPLICANTS, GO TO A2.2**

[Former Fellows only]

A2.1. Based on the information contained in the NSF database, you participated in the National Science Foundation's International Research Fellowship Program starting in [Year of application]. Is this correct? *If you participated in IRFP more than once, please consider your most recent experience*

Yes, this is correct. → **GO TO A3**

No, I never participated in IRFP → **CONFIRM FELLOWSHIP SCREEN**

No, I applied for the IRFP, but withdrew my application before the award decision was made → **EXIT SCREEN**

No, I was awarded the IRFP fellowship, but declined it → **EXIT SCREEN**

No, I participated in IRFP, but my fellowship began in:

Enter year: [textbox, 4] → **GO TO A3** [data check. If year ≤ 1990 or ≥ 2011 or if year non-numerical reject entry and prompt R to correct entry: "Please type a four-digit year between 1990 and 2010"] Set Year of application = entered year.

[Unfunded applicants only]

A2.2. Based on the information contained in the NSF database, you applied for the National Science Foundation's International Research Fellows Program (IRFP) in [year of application], but did not participate in a fellowship. Is that correct?

Yes, this is correct. → **GO TO A3**

No, I applied for an IRFP fellowship in (Enter year): [textbox 4] **data check as in A2.1, Set year\_of\_application = entered year**

No, I did participate in an IRFP fellowship. → **CONFIRM FELLOWSHIP SCREEN**

No, I never applied for this program. → **CONFIRM FELLOWSHIP SCREEN**

A3. Based on the information in the NSF database, you applied to spend your IRFP fellowship in [IRFP country]. Is this correct?

- Yes → GO TO A4
- No, I applied for an IRFP fellowship in (Enter country): [textbox, 50]. → GO TO A4 Set IRFP\_country = entered country

A4a. Our records indicate that you received your doctorate in [phdyear]. Is this correct?

- Yes, this is correct. → GO TO A5
- No, I earned my degree in (Enter year): [textbox, 4] → GO TO A5 [data check: If year ≤ 1900 or ≥ 2011 or if year non-numerical reject entry and prompt R to correct entry: "Please type a valid four-digit year"] Set phdyear = entered year
- I have more than one doctorate. → GO TO A4b

A4b. Please enter the years that you received your first and your most recent doctoral degrees:

First doctoral degree received in (enter year): [textbox, 4]

Most recent doctoral degree (enter year): [textbox 4]

→ Go TO A5

A5. What discipline best characterizes your field of research when you applied for an IRFP fellowship (that is, your doctoral field of research)? First, indicate which one of four broader areas in which your discipline falls:

Check one only:

- <sub>1</sub> Sciences (Biological/Life, Chemical, Computer/Information, Environmental, Earth/Atmospheric/Oceanographic, Geosciences, Mathematical/Statistical, Physics, Psychology)
- <sub>2</sub> Social Sciences (Economics, Sociology, Anthropology/Archaeology, Political Science, Geography, Linguistics, other)
- <sub>3</sub> Health/Medical
- <sub>4</sub> Engineering

display one of three screens based on choice above:

- 1 Science screen
- 2 Social Science, Health screen
- 3 Social Science, Health screen
- 4 Engineering screen

The next three pages should each be a separate screen. After R hits SUBMIT, go to Item B1

## Science Fields

For Science/Math Education select the primary scientific or mathematical field, or select Social Sciences or Health/Medical and see “OTHER Social Sciences: 621: Education, General”

To view other fields, click on a button:  
[Social Sciences](#) or [Health/Medical](#) fields.  
[Engineering](#) fields.

<b>Agricultural/food sciences</b>	<input type="radio"/> 605 Animal sciences <input type="radio"/> 606 Food sciences/technology	<input type="radio"/> 607 Plant sciences <input type="radio"/> 608 OTHER agricultural sciences
<b>Biological sciences</b> <i>Bioengineering, see ENGINEERING, next page</i>	<input type="radio"/> 631 Biochemistry/biophysics <input type="radio"/> 632 Biology, general <input type="radio"/> 633 Botany <input type="radio"/> 634 Cell/molecular biology <input type="radio"/> 635 Ecology <input type="radio"/> 636 Genetics, animal/plant	<input type="radio"/> 637 Microbiological sciences/immunology <input type="radio"/> 638 Nutritional sciences <input type="radio"/> 639 Pharmacology, human/animal <input type="radio"/> 640 Physiology and pathology, human/animal <input type="radio"/> 641 Zoology, general <input type="radio"/> 642 OTHER Biological sciences
<b>Environmental life sciences</b>	<input type="radio"/> 680 Environmental science/studies	<input type="radio"/> 681 Forestry sciences
<b>Computer and information sciences</b> <i>For Computer Engineering, see ENGINEERING, next page</i>	<input type="radio"/> 671 Computer/information sciences, general <input type="radio"/> 672 Computer programming <input type="radio"/> 673 Computer science	<input type="radio"/> 674 Computer systems analysis <input type="radio"/> 676 Information services/systems <input type="radio"/> 677 OTHER computer/information sciences
<b>Mathematics and statistics</b>	<input type="radio"/> 841 Applied mathematics <input type="radio"/> 842 Mathematics, general <input type="radio"/> 843 Operations research	<input type="radio"/> 844 Statistics <input type="radio"/> 845 OTHER mathematics
<b>Chemistry, except biochem</b>	<input type="radio"/> 873 Chemistry except biochemistry ( <i>biochemistry, see Biological sciences</i> )	
<b>Earth, atmospheric, and ocean sciences</b>	<input type="radio"/> 872 Atmospheric sciences/meteorology <input type="radio"/> 874 Earth sciences <input type="radio"/> 875 Geology	<input type="radio"/> 876 Geological sciences, other <input type="radio"/> 877 Oceanography <input type="radio"/> 879 OTHER physical sciences
<b>Physics</b> <i>Biophysics, see Biological Sciences</i>	<input type="radio"/> 871 Astronomy/astrophysics	<input type="radio"/> 878 Physics
<b>Psychology</b>	<input type="radio"/> 891 Clinical psychology <input type="radio"/> 892 Counseling <input type="radio"/> 704 Educational psychology <input type="radio"/> 893 Experimental psychology	<input type="radio"/> 894 General psychology <input type="radio"/> 895 Industrial/organizational psychology <input type="radio"/> 896 Social psychology <input type="radio"/> 897 OTHER psychology

SUBMIT selection and go to next Survey Item (B1).

**Social Sciences and Health/Medical fields**

For Science/Math Education select the primary scientific or mathematical field (click on Science), or see below “OTHER Social Sciences: 621: Education, General”

To view other fields, click on a button:

Science fields.

Engineering fields.

<b>Economics</b>	<input type="radio"/> 601 Agricultural economics	<input type="radio"/> 923 Economics
<b>Political and related sciences</b>	<input type="radio"/> 927 International relations <input type="radio"/> 928 Political science/government	<input type="radio"/> 902 Public policy studies
<b>Sociology/Anthropology</b>	<input type="radio"/> 921 Anthropology/archaeology <input type="radio"/> 922 Criminology	<input type="radio"/> 929 Sociology
<b>OTHER social sciences</b>	<input type="radio"/> 620 Area/ethnic studies <input type="radio"/> 621 Education, general <input type="radio"/> 924 Geography <input type="radio"/> 925 History of science	<input type="radio"/> 771 Linguistics <input type="radio"/> 861 Philosophy of science <input type="radio"/> 930 OTHER social sciences
<b>Health</b>	<input type="radio"/> 781 Audiology/speech pathology <input type="radio"/> 782 Health services administration <input type="radio"/> 783 Health/medical assistants <input type="radio"/> 784 Health/medical technologies <input type="radio"/> 785 Medical preparatory programs (e.g., pre-dentistry, pre-medical, pre-veterinary) <input type="radio"/> 786 Medicine (e.g., general, internal, orthopedic, surgical, dentistry, optometry, osteopathic, podiatry, veterinary)	<input type="radio"/> 787 Nursing (4 years or longer program) <input type="radio"/> 788 Pharmacy <input type="radio"/> 789 Physical therapy and other rehabilitation/therapeutic services <input type="radio"/> 790 Public health (Including environmental health/epidemiology) <input type="radio"/> 791 OTHER health/medical sciences

SUBMIT selection and go to next Survey Item (B1).

**Engineering fields**

For Science, Math or Engineering Education select the primary scientific or mathematical field (click on Science), or or select Social Sciences or Health/Medical and see “OTHER Social Sciences: 621: Education, General”

To view other fields, click on a button:

Science fields.

Social Science or Health/Medical fields.

<b>Biochemical engineering</b> , see <i>Bioengineering/biomedical</i> under <i>OTHER Engineering</i>	
<b>Chemical engineering</b>	<input type="radio"/> 725 Chemical engineering
<b>Civil/architectural eng.</b>	<input type="radio"/> 723 Architectural engineering <input type="radio"/> 726 Civil engineering
<b>Electrical/computer engineering</b>	<input type="radio"/> 727 Computer/systems engineering <input type="radio"/> 728 Electrical/electronics/communications engineering
<b>Industrial engineering</b>	<input type="radio"/> 733 Industrial/manufacturing engineering
<b>Mechanical engineering</b>	<input type="radio"/> 735 Mechanical engineering
<b>OTHER engineering</b>	<input type="radio"/> 721 Aerospace/aeronautical/astronautical engineering <input type="radio"/> 732 Geophysical/geological engineering <input type="radio"/> 722 Agricultural engineering <input type="radio"/> 734 Materials engineering, including ceramics/textiles <input type="radio"/> 724 Bioengineering/biomedical engineering <input type="radio"/> 736 Metallurgical engineering <input type="radio"/> 731 Engineering, general <input type="radio"/> 737 Mining/minerals engineering <input type="radio"/> 729 Engineering sciences/mechanics/physics <input type="radio"/> 738 Naval architecture/marine engineering <input type="radio"/> 730 Environmental engineering <input type="radio"/> 739 Nuclear engineering <input type="radio"/> <input type="radio"/> 740 Petroleum engineering <input type="radio"/> <input type="radio"/> 741 OTHER engineering

SUBMIT selection and go to next Survey Item (B1).

Do not display the following info: Source: SESTAT education codes in NSRCG major fields

## MODULE B: THE IRFP APPLICATION PROCESS

B1. Why did you apply to IRFP? *Check all that apply.*

- To conduct research with a specific person or at a specific institution
- To collaborate with a foreign scientist
- To understand what research in my field was like outside the US
- To access resources (e.g. samples, equipment) for research that I could not find in the U.S.
- To enhance my skills or knowledge as a researcher
- To enhance my resume as a future job candidate
- To learn about the culture, history, and/or geography of another country
- To learn another language
- To travel outside of the United States
- For family reasons (e.g., to accompany a spouse traveling abroad)
- Other (please specify): [textbox, 300]

B2. For your application to the IRFP program, why did you select your IRFP country? *Check all that apply.*

- The host researcher was conducting research relevant to my own interests
- The host institution had equipment or resources helpful for my proposed research
- A faculty advisor or mentor recommended this particular country, the particular host institution or host researcher in this country
- I have professional ties with someone who is from this country
- The host researcher had visited my department or university
- There were particular places in this country (aside from the host institution) that I wanted to visit or see
- I had studied this country's culture, history, politics, geography, etc. before applying
- I was familiar with the primary language(s) spoken there
- Other reason (please specify): [textbox, 300]

B3. Did the notification of your application status allow you sufficient time to make the necessary arrangements for your visit or to make alternative plans if you did not receive the award? *Check one only.*

- Yes
- No

B4. How did your primary graduate advisor view your decision to apply for an IRFP? *Check one only.*

- I do not know how my advisor viewed my decision to apply
- I did not have an advisor when I most recently applied
- My advisor opposed my decision to apply
- My advisor was indifferent to my decision to apply
- My advisor supported my decision to apply
- My advisor encourage me to apply to the IRFP program

B5. What types of mentoring or guidance did you receive from your graduate advisor or other colleagues during the preparation of the IRFP application? *Check all that apply.*

- Suggested a host institution
- Recommended me to a colleague at the host institution
- Provided feedback on my project proposal
- Discussed with me cultural and language aspects of the host country
- Other – specify: [textbox, 300]
- None

**MODULE C: ABOUT YOU AT THE TIME OF YOUR APPLICATION**

Items in this section ask for information about the year in which you applied for an IRFP Fellowship.

C1. At the time you applied for an IRFP Fellowship ([year\_of\_application]) were you employed in a tenure-track faculty position? *Check one only*

Yes

No

C2a. At the time you applied for IRFP ([year\_of\_application]), what was the highest degree you had completed? *You may have applied before you officially received your doctorate, for example.*

*Check one only:*

Bachelor's degree (BS, BA)

Master's degree (MA, MS, MBA, etc.)

Doctoral degree (PhD, EdD, MD, joint MD/PhD, JD, PsyD, ScD)

Other degree— specify: [textbox, 50]

C2b. At the time you applied for IRFP ([year\_of\_application]), had you received or were you pursuing a graduate degree from an institution outside the United States? *Check one only*

Yes

No

C3a. While you were an undergraduate, did you participate in a study abroad program or did you spend a semester (or more) pursuing your education at a college/university outside the United States?

*Check one only*

Yes

No

C3b. While you were a graduate student did you participate in a study abroad program or did you spend a semester (or more) pursuing your graduate research or education outside the United States?

*Check one only*

Yes

No

C4. At the time you applied for IRFP ([year\_of\_application]), had you done any of the following? *Check all that apply*

- Attended elementary or secondary school in another country (outside the U.S.)
- Lived outside the U.S. for six months longer
- Collaborated on research with someone based in another country
- Published research with someone based in another country
- Attended or presented scholarly work at a research conference in another country
- Participated on a research team with a scientist who was visiting my group from a foreign institution
- Worked with a colleague who had completed an IRFP Fellowship
- None of the above

C5a. At the time you applied for an IRFP fellowship ([year\_of\_application]), were you already working at the foreign institution that you proposed as your IRFP host? *Check one only*

- Yes
- No

C5b. At the time you applied for IRFP ([year\_of\_application]), were you already collaborating with the host scientist(s) or someone else at the host institution(s) that you proposed in your application? *That is, even if you were not physically working at the host institution, were you already collaborating with someone at that institution? Check one only*

- Yes, with my proposed host scientist
- Yes, with someone else at my proposed host institution (not the host scientist)
- No

C6. At the time you applied for an IRFP Fellowship ([year\_of\_application]) were you aware of any relationship between your U.S.-based institution (graduate, postdoctoral, or other) and that of the host institution to which you applied? *Check all that apply:*

- Yes, a student, postdoc or faculty member in my department had collaborated with someone at the host institution
- Yes, my department or university had an existing collaboration or student/faculty exchange program with the host institution
- Other students/postdocs/faculty from my university or department had been to the host institution
- Yes, there was another type of relationship. Please specify: [textbox, 300]
- No, I was not aware of any such relationship

- C7. At the time you applied for the IRFP ([year\_of\_application]), how many of the following had you authored/co-authored, edited/co-edited, developed/co-developed? *Include articles in-press, patents registered; do not included manuscripts or products under review at the time. Include works published in electronic or printed format but do not count the same work more than once if it is available in multiple formats.*

Total number published/in-press	Number completed with a foreign collaborator	
		Peer-reviewed journal articles
		Peer-reviewed conference publications (e.g. abstracts, conference papers, posters)
		Patents and licenses, registered or pending
		Book chapter(s) (e.g., in edited volumes)

- C8. Have you ever received a nationally competitive fellowship to support your graduate studies? *Do not include support you received directly from your institution or support from a faculty member's grant funding.*

**Nationally-competitive fellowships** are unrestricted fellowships granted by a federal agency, private foundation, or similar organization directly to an individual graduate student (or graduate school applicant) for use at any graduate institution of his/her choosing. *Check one only*

- Yes  
 No

**FELLOW, GO TO ITEM C9.**

**UNFUNDED, GO TO ITEM Module D (Item D1a)**

- C9. As of October 1, 2010, had you completed your IRFP fellowship (including any U.S.-based "re-entry period")? *Check one only*

- Yes → **Go to D1a**  
 No → **R will receive items in Module E and Module G; Do not Present Modules D, F.**

## MODULE D: PROFESSIONAL HISTORY

In this section, we ask about various professional experiences you've had up to October 1, 2010. We use a standard date so that all survey participants think about the same period of time when answering these questions.

D1a. Since receiving your first doctoral degree how many postdoctoral appointments have you held? Please include any postdocs you held through October 1, 2010. **Please include IRFP if you received an award.**

Enter Number of postdocs [textbox 2] or if None, check this box:

**If "none" box is checked Skip to D1c, else continue to D1b.**

D1b. **[all applicants]**: Since receiving your first doctoral degree, how many postdoctoral appointments have you held at institution(s) **outside the United States**? Please include any postdocs you held through October 1, 2010. **Please include IRFP if you received this fellowship.** *Check one only*

- 0
- 1
- 2
- 3 or more

D1c. During the week of October 1, 2010 were you working for pay or profit? Work includes being self-employed, on a postdoctoral appointment, or on any type of paid or unpaid leave, including vacation.

Check one only

- Yes, in a postdoctoral position → **GO TO D4**
- Yes, in another type of position (i.e., not a postdoctoral position) → **GO TO D2**
- No, I was not working then → **GO TO D6**

D2. Was your primary employer during the week of October 1, 2010 an educational institution? *Check one only*

- Yes → **GO TO D2a**
- No → **GO TO D3**

D2a. Was the educational institution where you worked a . . . *Check one only*

- Preschool, elementary, middle, or secondary school or system → **GO TO D4**
- Two-year college, community college or technical institute
- Four-year college or university,\* other than a medical school
- Medical school (including university-affiliated hospital or medical center)
- University-affiliated research institute
- Other educational institution [please specify]: [textbox, 150]

**\*Four-year college/university includes doctoral-granting and non-doctoral-granting institutions.**

D2b. During the week of October 1, 2010 what type of academic position did you hold at this institution? *Mark Yes or No for each item.*

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	President, Provost, or Chancellor (any level)
<input type="checkbox"/>	<input type="checkbox"/>	Dean (any level), department head or chair
<input type="checkbox"/>	<input type="checkbox"/>	Research faculty, scientist, associate or fellow
<input type="checkbox"/>	<input type="checkbox"/>	Teaching faculty
<input type="checkbox"/>	<input type="checkbox"/>	Adjunct faculty
<input type="checkbox"/>	<input type="checkbox"/>	Other (please specify: [ <input style="width: 100px;" type="text" value="text"/> , 75])

D2c. During the week of October 1, 2010 what was your faculty rank? *Check one only*

- Not applicable: no ranks designated at this institution
- Not applicable: no ranks designated for my position
- Professor/Full Professor
- Associate Professor
- Assistant Professor
- Instructor
- Lecturer
- Other: [  , 75]

D2d. What was your tenure status? *Check one only*

- Not applicable: no tenure system at this institution
- Not applicable: no tenure system for my position
- Tenured
- On tenure track but not tenured
- Not on tenure track

→ after D2d, SKIP to D4

**D3 only for respondents where D2 = NO**

D3. Which of the following best describes your primary employer during the week of October 1, 2010?

*Check one only*

- SELF-EMPLOYED or a BUSINESS OWNER (non-incorporated or incorporated business, professional practice, or farm)
- PRIVATE SECTOR (for-profit or non-profit, including tax-exempt and charitable organizations)
- Local GOVERNMENT (city, county, school district)
- State GOVERNMENT
- U.S. federal GOVERNMENT
- U.S. MILITARY service, activity duty or Commissioned Corps (e.g., USPHS, NOAA)
- OTHER type of employer: Please specify: [  , 300]

- D4. In performing the primary job you held during the week of October 1, 2010, did you work with individuals located in countries other than the US? *If you were a postdoctoral fellow during this period, please consider the postdoctoral fellowship to be your primary job. Check one only*
- Yes → **GO TO D4a**
  - No → **GO TO D5**

D4a. Did your work with individuals in countries other than the US involve. . .  
*Mark Yes or No for each item.*

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Sharing data or information?
<input type="checkbox"/>	<input type="checkbox"/>	Sharing materials, equipment, or facilities?
<input type="checkbox"/>	<input type="checkbox"/>	Preparing a joint publication?
<input type="checkbox"/>	<input type="checkbox"/>	Jointly developing a product, process, or program?
<input type="checkbox"/>	<input type="checkbox"/>	Collaborating on a research project?
<input type="checkbox"/>	<input type="checkbox"/>	Other type of work? Specify: [ <b>textbox, 300</b> ]

- D4b. For the primary job you held during the week of October 1, 2010 were you employed at a location outside the U.S.? *If you were based in the United States but travelled internationally for this job, you should answer "No."*
- Yes
  - No

D5. Between [year of IRFP application] and October 1, 2010, did you receive any grants (as Principal Investigator or co-Principal Investigator), prestigious awards or honors based on your research? *If you were an IRFP fellow, do not count the IRFP Fellowship itself. Check Yes or No for each.*

Not applicable for my position (e.g., not eligible for grants/awards)	Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grant(s) as Principal Investigator
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grant(s) as co-Principal Investigator
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prestigious award(s)/honor(s)

**If any row in D5 = Yes: → Former IRFP Fellows, GO TO D5a; Unfunded applicants, SKIP to D5b**  
**If ALL rows in D5 = No or Not applicable → GO TO D6.**

- D5a. [**former IRFP Fellows only**] Were any of these grants or awards based on research conducted or advanced during your IRFP fellowship? *Check one only*
- Yes
  - No
  - Not sure

D5b. What was the name of the most prestigious grant, award or honor for research you have received and who did it come from?

(i) Name of award: [textbox, 300]

(ii) The award was from: *Check one:*

- An international organization or foreign government
- A U.S. government agency
- A US-based professional association
- A private foundation in the U.S.
- An institution where I was employed or my doctoral institution
- None of the above

(iii) Please type the full name of the awarding agency or organization: [textbox, 300]

D6. Between [year of IRFP application] and October 1, 2010, how many of the following works had you published or produced (on your own or with others)?

*Include works "in press" but do not include works "under review" or "in preparation." Include works published in electronic or printed format but do not count the same work more than once if it is available in multiple formats.*

*Make your best approximation if you do not know the exact number.*

**The first row should not appear on-screen and the column "IRFP Fellows only" should appear only for FELLOWS not for UNFUNDED APPLICANTS**

Do not display this row onscreen	All Respondents	All respondents	IRFP Fellows only:
	Total (if none, enter "0")	How many of these from collaboration with foreign colleague(s)?	How many of these from collaboration with your IRFP host?
Peer-reviewed journal articles			
Peer-reviewed conference publications (e.g. abstracts, conference papers, posters)			
Patents and licenses, registered or pending			
Book chapter(s) (e.g., in edited volumes)			

D7. Between [year of IRFP application + 2] and October 1, 2010, have you ever worked in another country? (“Work” refers here to employment for pay or profit and includes postdoctoral appointments.) *Check one only.*

- Yes → **GO TO D7a**
- No → **GO TO D8**

D7a. For how many years (if less than 1 year, how many months) did you work in another country (or countries)?

I worked in another country/countries for: *Check one only.*

- Less than 1 year → **Go to D7a\_(i)**
- 1 year or longer → **Go to D7a\_(ii)**
  - D7a\_(i). Enter number of months total: [textbox, 2] → **Go to D8**
  - D7a\_(ii). Enter number of years total: [textbox, 2] → **Go to D8**

**D7a(i) and D7a(ii) should appear on - screen together with D7a.**

D8. Between [year of IRFP application + 2] and October 1, 2010, did you mentor any individuals from the United States who conducted research in another country?

*Check all that apply*

- I mentored undergraduate students who conducted research abroad
- I mentored graduate students who conducted research abroad
- I mentored postdocs who conducted research abroad
- I mentored faculty who conducted research abroad
- I mentored research scientists who conducted research abroad
- I mentored other individuals who who conducted research abroad
- I did not mentor any individuals who conducted research abroad

**Former IRFP Fellows:      Go to D9**

**Unfunded applicants:    Go to D10**

**(Fellows only):**

In this next question, we're interested in any effects that your participation in IRFP may have had on people or institutions you've worked with in the U.S. since the end of your IRFP fellowship.

D9. Since the end of your IRFP fellowship, have you done any of the following? *If, since the end of your IRFP fellowship, you have been unemployed, self-employed or worked only outside the United States, please select "Not applicable" in each row.*

	Yes	No	Not applicable
I have taught my colleagues, students, or peers research methods that I learned during my IRFP fellowship	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have shared with my colleagues resources (e.g., data, samples, materials) or tools (e.g., algorithms, software, instruments) that I collected developed during my IRFP fellowship	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Continue to D10**

**(All survey participants):**

D10. Between [year of IRFP application +2] and October 1, 2010, have you done any of the following: *If during this period you have been unemployed, self-employed or worked only outside the United States, please select "Not applicable" in each row.*

	Yes	No	Not applicable
I have established a program to foster international collaborations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have hosted researchers or professional colleagues from another country at my institution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have led a delegation of colleagues to visit a research laboratory, university, or business in another country	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have established or served in a leadership role for an international association for professionals in my line of work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Unfunded applicants: Go to Module G (DEMOGRAPHICS)**

**Fellows: Go to Module E (THE IRFP FELLOWSHIP EXPERIENCE)**

## MODULE E: THE IRFP FELLOWSHIP EXPERIENCE

In this section, we'd like to ask about experiences you had during your IRFP Fellowship.

E1. In preparation for your IRFP fellowship, did you study a language spoken in your host country?

*Check all that apply.*

- No, I was already familiar with the language spoken in the host country
- No, I did not study a language spoken in the host country
- Yes, I did some self-guided language study (i.e., individual study using books or computer-based instructional software, such as *Rosetta Stone*)
- Yes, I studied with a conversation partner or a tutor who was familiar with a language spoken in the host country
- Yes, I enrolled in a formal language training course led by an instructor (either an online course or "live" course)

E2. During your IRFP fellowship, did you attend or participate in any of the following types of cultural or leisure activities in your host country? *Check all that apply*

- Sightseeing
- Museums
- Festivals, holiday or religious ceremonies
- Outdoor activities to explore the landscape, geography
- Sporting events
- Non-scientific lectures or presentations
- Other (please specify):
- I did not participate in any cultural activities

E3. During your IRFP fellowship, did you attend or participate in any of the following types of professional activities? *Check all that apply*

- Visit(s) to educational or research institutions other than my host institution
- Visit(s) to businesses/industrial laboratories
- Language courses or language study
- Lectures, colloquia, seminars in my field
- Attended professional conferences in my host country
- I gave a talk or presentation to researchers from my host country
- Networking with colleagues from institutions other than my host institution
- Other (please specify):
- I did not attend or participate in any professional activities

E3a. Please describe one of the most memorable activities or events you experienced in your host country:

textbox, 2500

E4. Who was primarily involved in the following activities related to the IRFP project(s) on which you worked? *Mark one answer in each row.*

	Mostly me independently	Mostly the host or members of his/her group without me	Me and the host or host's research group together about equally	Not applicable
Developing the ideas, hypotheses, broad framework, or vision for the research project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Researching literature or research base relevant to the project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Keeping records, tracking supplies, resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Developing instrumentation, software, equipment, or data collection processes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collecting data or carrying out simulations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyzing data or observations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interpreting results	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Planning or developing follow-up work based on results	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Written, oral dissemination of results (publications, presentations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

E5. Did you experience any of the following difficulties during your fellowship? *Check all that apply.*

- Inadequate access to space, facilities, equipment, computers, resources/supplies
- My role on the project was less than that merited by my skills/knowledge
- Not enough guidance from host/host's research group
- I was asked to do work that was someone else's responsibility
- Not given credit for my contributions to advancing a project
- Communication or language difficulties
- Logistical difficulties (e.g., with transportation, navigating bureaucracy, etc. )
- Legal or medical difficulties in my host country
- I felt that my ideas were not treated with respect
- Encountered barriers or discomfort based on my gender
- Encountered barriers or discomfort based on my race/ethnicity
- Encountered barriers or discomfort based on my cultural or religious background
- Encountered barriers or discomfort based on a disability
- Other (please specify): [textbox, 300]
- None

E6. During your IRFP fellowship, who provided direct supervision while you were conducting your work?

*Check all that apply.*

- The host researcher him/herself
- Another staff scientist
- A junior faculty member or post-doctoral fellow
- Another graduate student(s)
- A laboratory technician or other employee/worker
- No one, I was not supervised by anyone

E7. Please indicate how satisfied you were with various aspects of your IRFP experience. *Mark one answer in each row.*

<b>Accommodations &amp; Logistics</b>	<b>Very dissatisfied</b>	<b>Somewhat dissatisfied</b>	<b>Somewhat satisfied</b>	<b>Very satisfied</b>
Lodging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fellowship support amount	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fellowship duration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fellowship timing with respect to your career goals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research/laboratory facilities at the host location	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access to the internet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Your host</b>				
Frequency of meetings with your host	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Match between yours and your host's research interests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Host's expertise in his/her field	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The level of the host's intellectual contribution to your joint research project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Host's efforts to help you meet other researchers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Host's inclusion of you in research group/laboratory, meaningful collaboration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Guidance or mentoring provided by host	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Your experiences</b>				
Opportunities to experience and learn about your host country, its culture, history, etc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The quality of research you were able to conduct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Professional connections you made during the fellowship	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

E7a. If you would like to elaborate or comment further on areas of satisfaction or dissatisfaction with your IRFP experience, please do so:

textbox, 2500

**MODULE F: AFTER YOUR IRFP FELLOWSHIP**

F1. Since the conclusion of your IRFP fellowship and October 1, 2010, have you collaborated or communicated with your host scientist? *Check one only*

- I have collaborated on a research project → **GO TO F1a**
- I have communicated with my host but haven't collaborated further on research → **GO TO F1c**
- I have not communicated with my host → **GO TO F1c**

F1a. What was the extent of your collaboration? *Check all that apply*

- I have a position in the host's group
- I have a position at the host's institution
- We exchanged ideas, data, ideas, research results, or tools
- We co-authored papers
- We co-advised students
- We visited each other at our institutions
- Other – specify [**textbox, 300**]

F1b. How recently has the latest collaboration with your host occurred? *Check one only*

- Within the past 6 months → **GO TO F2**
- Within the past 12 months → **GO TO F2**
- 1-2 years ago → **GO TO F2**
- 3 or more years ago → **GO TO F2**

F1c. Why do you no longer collaborate with your former host? *Check all that apply*

- Our research interests diverged
- One or both of us lacked funding needed to maintain collaboration
- Language differences have hindered further collaboration
- Political or cultural differences have hindered further collaboration
- Geographic distance has hindered further collaboration
- I did not think that further collaboration would be beneficial for me
- My host did not actively pursue or maintain further collaboration with me
- One (or both) of us is too busy with other projects
- Other – specify [**textbox, 300**]

F2. Did participating in IRFP make you qualified for a broader range of opportunities after the fellowship ended? *Check one only*

- Yes, IRFP broadened my career options → **Go to F2a**
- No, IRFP did not broaden my career options → **Go to F2b**
- I am not sure → **Go to F3**

F2a. Describe how IRFP broadened your career options:

textbox, 2500

F2b. Did IRFP constrain your career options? *Check one only*

- Yes → Go to F2c
- No → Go to F3

F2c. Describe how IRFP constrained your career options:

textbox, 2500

F3. Which of the following professional benefits occurred as a result of your participation in IRFP?

*Check all that apply*

- My work at the host institution resulted in a substantial advancement in my research
- My work at the host institution opened up new areas of investigation
- I became familiar with scientific enterprise of the host country
- I became committed to international research collaboration
- I made valuable connections to researchers in the host country
- My career goals changed from an academic career to a non-academic career
- My career goals changed from a non-academic to an academic career
- I decided to pursue research in a different discipline than the one I was most familiar with when I began my IRFP fellowship
- IRFP participation made me more competitive for jobs I was interested in
- IRFP participation made me consider professional opportunities I would not have considered in the past
- None of the above

F3a. What did your IRFP host scientist do to assist you in obtaining employment after your fellowship?

*Check all that apply.*

- Helped me network with potential employers
- Recommended me to others directly, by telephone or in-person
- Reviewed my CV/resume and/or other application materials
- Wrote letters of reference on my behalf
- Provided financial assistance for travel to conference, other professional networking opportunities
- Other (please specify): [textbox 300]
- Host offered me no assistance finding post-fellowship employment

F4. Which of the following additional benefits occurred as a result of your participation in IRFP? *Check all that apply*

- Research methods or ideas that I learned benefited others in my institution
- Samples that I collected or tools that I developed benefited others in my institution
- My peers became interested in international collaboration
- Others in my research group (in the U.S.) began an international research collaboration
- Researchers that I met during my fellowship joined my research group in the U.S.
- Other – specify [textbox, 300]
- None of the above

F5. Which of the following personal benefits occur as a result of your participation? *Check all that apply.*

- I became comfortable with the traditions and culture of the host country
- I made personal connections in the host country
- I gained proficiency in another language
- I decided to live outside the United States (i.e., at least 6 months)
- None of the above

F6. Which of the following are true? *Check Yes or No for each*

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Obtaining full-time employment after the conclusion of my IRFP fellowship was more difficult than I expected
<input type="checkbox"/>	<input type="checkbox"/>	I lost an important career or educational opportunity by participating in IRFP
<input type="checkbox"/>	<input type="checkbox"/>	I am more skeptical about international collaboration than before IRFP

F7. What was the most positive aspect of your IRFP experience?

Textbox 2500

F8. What was the most challenging aspect of your IRFP experience?

Textbox 2500

F9. Would you recommend IRFP to a colleague? *Check one only*

- Yes
- No

F9a. Why or why not?

textbox, 2500

F10. Would you recommend your IRFP host scientist to a colleague seeking an international collaboration? *Check one only*

- Yes
- No

F11. Would you recommend your host country to a colleague? *Check one only*

- Yes
- No

F12. What would you change about the IRFP program?

Textbox 2500

F13. What was the most important contribution of IRFP participation to your career?

Textbox 2500

**MODULE G: DEMOGRAPHIC INFORMATION**

G1. What is your gender?

- Male
- Female

G2. What is your ethnicity? *Mark one only.*

- Hispanic or Latino
- Not Hispanic or Latino

G3. What is your race? *Check one or more.*

- American Indian or Alaska native
- Asian
- Black or African American
- Native Hawaiian or other Pacific Islander
- White

G4. What is your citizenship status?

- United States citizen since birth → Go to G5
- United States citizen, naturalized → Go to G4a
- Non-U.S. citizen with a permanent U.S. Resident Visa (“Green Card”) → Go to G4a
- Non-U.S. citizen with a temporary U.S. Visa → Go to G4a

G4a. How old were you when you began living in the United States? (age in years): [textbox, 2]

**The next question is designed to help us better understand the career paths of individuals with different physical disabilities:**

G5. What is the USUAL degree of difficulty you have with: *Mark one answer for each item.*

	None	Slight	Moderate	Severe	Unable to do
1 SEEING words or letters in ordinary newsprint (with glasses/contact lenses, if you usually wear them)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>
2 HEARING what is normally said in conversation with another person (with hearing aid, if you usually wear one)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>
3 WALKING without human or mechanical assistance or using stairs	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>
4 LIFTING or carrying something as heavy as 10 pounds, such as a bag of groceries	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>

**If all 4 rows in G5 are marked “None,” Go to Thank you screen. Else go to G5a.**

G5a. What is the earliest age at which you first began experiencing any difficulties in any of these areas?

- Since birth; or Enter age in years:

**SUBMIT SURVEY**

**Thank you screen: After hitting SUBMIT, respondent sees this screen.**

## IRFP applicant survey

### Conclusion

Thank you for completing this survey. If you have any general comments about the survey, please write them below.

Textbox, 2500

If you have any questions about this survey or the study, please contact Dr. Alina Martinez, Study Director, Abt Associates, at (866) 421-6223 (toll-free within the US) or email her at IRFP\_survey@abtassoc.com. You may also contact John Tsapogas, who is overseeing this study at NSF, with any questions or comments: jtsapoga@nsf.gov.

**Thank you for your assistance. We greatly appreciate your time and consideration.**

### Confirm Fellowship Screen

**Before continuing, we'd like to note that NSF records may have confused the International Research Fellowship Program (IRFP) and the NSF-NATO Postdoctoral Science and Engineering Fellowship program. The NSF-NATO postdoc differs from the IRFP award:**

- **NSF-NATO postdoctoral fellowships** provided up to 12 months of funding for research in one of the NATO member countries or NATO partner nations:  
Albania, Armenia, Azerbaijan, Belgium, Belarus, Bulgaria, Canada, Czech Republic, Denmark, Estonia, France, Georgia, Germany, Greece, Hungary, Iceland, Italy, Kazakhstan, Kyrgyz Republic, Latvia, Lithuania, Luxembourg, Moldova, the Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovak Republic, Slovenia, Spain, Tajikistan, Turkey, Turkmenistan, Ukraine, the United Kingdom, Uzbekistan or the former Yugoslav Republic of Macedonia;
- **IRFP fellowships** provided 3 to 24 months of funding for research in any country.

**Some survey participants applied separately for IRFP and NSF-NATO. NSF's records indicate that you (if FELLOW display Section S only; if UNFUNDED APPLICANT display Section R only)**

### Section R

applied for an IRFP fellowship. Please select the response that best describes you:

- I received an NSF-NATO fellowship; I may also have applied for an IRFP fellowship. → **Go To R1**
- I received an award from the International Research Fellowship Program, not the NSF-NATO postdoctoral program. → **Go To EXIT SCREEN**
- I never applied to NSF for an internationally-based postdoctoral fellowship. → **Go To EXIT SCREEN**

**R1: We especially need you to complete this survey.** The survey focuses on your professional achievements, the type of work you do currently and the types of collaborations you may have with scientists and engineers in the US and other countries. **The value of this study to NSF and to the broader scientific community depends on the good will of people like you.** Please click here to continue with the survey (you may Exit on the next screen if you wish): **CONTINUE Go to A3**

### Section S

received an IRFP postdoctoral fellowship to conduct research in [IRFP\_country] . Please select the response that best describes you:

- I conducted postdoctoral research in the country named above as an IRFP fellow → **Go to S1**
- I conducted postdoctoral research in the country named above; I'm not sure what NSF program supported this postdoc. → **Go to S1**
- I received both an NSF-NATO fellowship and an IRFP fellowship. → **Go to S1**
- I received an NSF-NATO fellowship; I'm not confusing it with the IRFP postdoctoral program. → **Go to EXIT SCREEN**
- I never applied to NSF for an internationally-based postdoctoral fellowship. → **Go to EXIT Screen**

**S1: This survey focuses on your experiences in the IRFP program in [IRFP\_country], as well as what you have been doing since your IRFP fellowship concluded:** other postdocs, your professional achievements, the type of work you do currently and the types of collaborations you may have with scientists and engineers in the US and other countries. **Please click here to continue with the survey (you may Exit on the next screen if you wish):** **CONTINUE Go to A3**

**EXIT SCREEN:**

**If we have identified the wrong respondent or have erroneous information, display this screen and FLAG this respondent for Abt follow-up (weekly basis)**

**IRFP applicant survey**

**Please accept our apology.**

The information you supplied suggests that you are not eligible to participate in this study **or** that we have reached you in error. We regret any inconvenience to you. If you have any questions about this study or you would like to make a comment, please contact one of the following individuals:

- Dr. Alina Martinez, Study Director at Abt Associates: IRFP\_survey@abtassoc.com, or (866) 421-6223 (toll free within the U.S.);
- John Tsapogas, Office of International Science and Engineering, NSF: jtsapoga@nsf.gov.

May we have permission to contact you by telephone in order to clarify your responses here? Entering your number does not obligate you to answer any questions.

- Yes, you may reach me at \_\_\_\_ - \_\_\_\_ - \_\_\_\_ . [telephone digit entry]. **Go to Best Times**
- No, please do not contact me.

Best time(s) to call (*check all that apply*):

- Weekdays (9 to 5pm)
- Evenings (5 to 8pm)
- Saturday or Sunday 9-5pm

**Introductory screen:**

**Survey of former applicants to the  
National Science Foundation's  
East Asia and Pacific Summer Institutes (EAPSI) program**

**Welcome and thank for your interest in this study.** This survey is being conducted by Abt Associates Inc. and our subsidiary, AbtSRBI, for the National Science Foundation (NSF), to learn about the graduate experiences, career choices, and professional activities of individuals who applied to NSF's East Asia and Pacific Summer Institutes (EAPSI) program. You are receiving this survey because you are listed in the NSF database as an applicant to EAPSI.

**NSF's records indicate that you applied for a summer graduate research fellowship in one of the following sites between 1999 and 2010:**

<b>Japan</b>	<b>Australia</b>
<b>Korea</b>	<b>New Zealand</b>
<b>Taiwan</b>	<b>Singapore</b>
<b>China</b>	

**These graduate summer fellowships are part of NSF's East Asia and Pacific Summer Institutes program (EAPSI).** If you do not recall applying to this program, please click here:

**I don't recall applying**

Otherwise, please continue. The next page has important information about this study.

**Continue**

**Click on "Continue" directs R to Screen 2  
Click on "I don't recall" directs R to Confirm Fellowship screen**

## Screen 2

### EAPSI Applicant Survey

#### Confidentiality and Participation

Participation in the survey is voluntary and nonparticipation will have no impact on you or your institution. You may skip questions on the survey or discontinue participation at any time. There are minimal risks associated with your participation. We take your privacy very seriously. Your responses to this survey will be protected under the Privacy Act. There is minimal risk of breach of confidentiality, and we have put in place procedures to minimize this risk. Reports will never identify you by name, and information from the study will only be reported in the aggregate at the program level, combined with about 500 other responses. When we receive your survey we will detach and store separately your name and other identifying information that could be used to link you to your survey responses. Survey responses will be stored on a secure drive that is only accessible to members on the study team. Only study team web technicians and data analysts from Abt Associates and AbtSRBI will see individual responses that can be linked to you. Survey data files will be shared with NSF at the end of the study, only after study team members have examined the data to be free of any information that could help identify you; this cleaning includes procedures to limit someone from inferring your identity by analyzing non-identifying data. Hence, we encourage you to respond candidly about your experiences. Separate from your individual responses to the survey we will provide NSF any updated contact information we have found or requested from you. None of this contact information will be linked in any way to your survey responses. At the conclusion of the study, Abt Associates and AbtSRBI will destroy all records, electronic or otherwise, that link you to your survey responses.

#### Completing the Survey

We estimate that it will take approximately 30 minutes to complete the survey. If you have questions about the study, please contact the study director, Alina Martinez of Abt Associates Inc. at (866) 421-6223 (toll free within the U.S.) or email her at [EAPSI\\_survey@abtassoc.com](mailto:EAPSI_survey@abtassoc.com). You may also contact the evaluation's program officer at NSF, John Tsapogas ([tsapoga@nsf.gov](mailto:tsapoga@nsf.gov)). If you have questions about your rights as a research participant, you may contact Teresa Doksum, the Abt Institutional Review Board Administrator at (877) 520-6835 (toll free within the U.S.) or by email: [irb@abtassoc.com](mailto:irb@abtassoc.com).

To learn more about this study, please refer to the [Frequently Asked Questions](#) page.

#### Consent

Please click on "Begin" if you agree to participate in this study. **BEGIN**

**Click on BEGIN takes R to Navigation Screen**

This study's IRB approval number is #0494, valid from 8/6/2010 to 8/5/2011. For questions, please contact Teresa Doksum, IRB Administrator, Abt Associates, at [IRB@abtassoc.com](mailto:IRB@abtassoc.com).

The valid OMB control no. for this information collection is **xx-xxxxx**. (Expires on **mm/dd/yyyy**)

**Navigation screen:**

**EAPSI Applicant Survey**

**Navigating through the survey:**

As you work through the survey, your responses are automatically saved. You may change a response by clicking on the **PREVIOUS ITEM** button. Use the **NEXT ITEM** button to advance to the next question.

At any time, you may click on the **SAVE & FINISH LATER** button if you wish to temporarily pause the survey and return to it at a later time.

On each page of the survey, a **HELP** button is provided if you experience technical difficulties with the online survey. This button will allow you to send a request for assistance to the survey's website administrator.

When you have completed the survey, please click on the **SUBMIT** button at the end of the survey. You may submit the survey even if there are some questions that you choose not to answer.

**NEXT**

FAQs are Optional screens, displayed only if R clicks on **Frequently Asked Questions**

## FREQUENTLY ASKED QUESTIONS

- **[What is the East Asia and Pacific Summer Institutes \(EAPSI\) Program?](#)**
- **[Why are you doing this study?](#)**
- **[Why have I been selected to participate in this survey?](#)**
- **[How did you get my contact information?](#)**
- **[How long will this survey take to complete?](#)**
- **[How will you use my comments?](#)**
- **[Does this study have human subjects review clearance?](#)**
- **[Who is funding the study?](#)**
- **[Who are Abt Associates Inc and AbtSRBI?](#)**

### ***What is the East Asia and Pacific Summer Institute (EAPSI) Program?***

The East Asia and Pacific Summer Institute (EAPSI) Program is a National Science Foundation (NSF) program that provides funding for U.S. graduate students to spend eight to ten weeks collaborating with a host researcher in one of seven sites in the East Asia and Pacific region: Australia, China, Japan, Korea, New Zealand, Singapore, and Taiwan.

### ***Why are you doing this study?***

NSF is interested in learning about the characteristics of current and former graduate students who applied to participate in the EAPSI program sometime between 1999 to 2009. Information about the domestic and international experiences of EAPSI participants and non-participants will help NSF understand the usefulness and relevance of international research training for scientists and engineers. Information from this study will be used to describe the characteristics and subsequent career paths of graduate students who expressed interest in pursuing an international collaboration.

### ***Why have I been selected to participate in this survey?***

You have been selected to participate because we have identified you as having applied to the EAPSI program while you were a graduate student.

### ***How did you get my contact information?***

We identified you from records maintained by the National Science Foundation on prior EAPSI applicants. We then obtained your contact information through an internet search.

### ***How long will this survey take to complete?***

We estimate that the survey will take about 30 minutes.

### ***How will you use my comments?***

Responses from all survey respondents will be used to answer questions about the graduate training, international experience, and career paths of applicants to the EAPSI program between 1999 and 2009.

***Has this study been reviewed and approved by an institutional review board?***

Yes, the study was approved by Abt Associates' Institutional Review Board. If you have any concerns about your participation in this survey, please contact Teresa Doksum, Institutional Review Board Administrator at Abt Associates, at (877) 520-6835 or via email at [irb@abtassoc.com](mailto:irb@abtassoc.com).

***Who is funding the study?***

The study has been funded by the National Science Foundation under contract GS-10F-0086K. Abt Associates and AbtSRBI will complete the study.

***Who are Abt Associates Inc and AbtSRBI?***

Abt Associates is an independent research firm headquartered in Cambridge, Massachusetts. AbtSRBI is a wholly-owned subsidiary of Abt Associates specializing in large-scale data collection and public opinion research. NSF has contracted with Abt Associates and AbtSRBI to design and implement a survey of graduate students who applied to NSF's EAPSI program.

## EAPSI Applicant Survey

**This dark blue header above appears on each screen of the survey.**

Please note: In this survey, we will refer to East Asia and Pacific Summer Institute (EAPSI) “sites,” or “locations” rather than EAPSI “countries.” For example, Australia, China, Korea, Japan, New Zealand, Singapore, and Taiwan were EAPSI sites in 2010.

### MODULE A: VERIFYING INFORMATION ABOUT YOU

To begin, we’d like to confirm that we’ve reached the appropriate person.

A1. Based on the information that you provided to NSF in your application, your name is [First Name, Middle Name/initial, Last Name]. Is this correct?

No, my name has changed or my name is misspelled above. My name is: [textbox, 75]

→ **FELLOWS** **GOTO A2.1**

**UNFUNDED APPLICANTS** **GOTO A2.2**

No, I’m not the person named above. → **EXIT SCREEN**

Yes, this is correct. →

**FELLOWS** **GOTO A2.1**

**UNFUNDED APPLICANTS** **GOTO A2.2**

#### [Former Fellows only]:

A2.1 Based on the information contained in the NSF EAPSI database, you participated in the National Science Foundation’s East Asia and Pacific Summer Institutes program (EAPSI) in the summer of [EAPSI\_year]. Is this correct?

*If you participated in EAPSI more than once, we refer here, and throughout the rest of the survey, to your most recent EAPSI experience unless specifically stated otherwise.*

Yes, this is correct. → **GOTO A3**

No, I never participated in EAPSI. → **CONFIRM FELLOWSHIP SCREEN** Section R

No, I applied for the EAPSI fellowship, but withdrew my application before the award decision has been made. → **EXIT SCREEN**

No, I was awarded the EAPSI fellowship, but declined it. → **EXIT SCREEN**

No, I participated in EAPSI, but the most recent year I participated was (Enter year as yyyy): [textbox, 4]. → **GOTO A3** Set EAPSI\_year = entered year. [data check. If year ≤ 1998 or ≥ 2011 or if year non-numerical reject entry and prompt R to correct entry: “Please type a four-digit year between 1998 and 2010”]

#### [Unfunded applicants only]

A2.2. Based on the information contained in the NSF database, you most recently applied for EAPSI in [year], but did not participate in a fellowship. Is this correct?

Yes, this is correct. → **GOTO A3**

No, I did participate in an EAPSI fellowship: my fellowship took place in the summer of (Enter year as yyyy): [textbox, 4] [data check as in A2.1] in [Select location site: [dropdown EAPSI site menu]]. → **GOTO CONFIRM FELLOWSHIP SCREEN** Section S **Set EAPSI\_year = entered year; Set EAPSI\_actual\_site = Selection**

No, I never applied for this program. → **CONFIRM FELLOWSHIP SCREEN**

A3. Based on the information contained in the NSF database, when you most recently applied for an EAPSI fellowship, the first choice of host site you listed was [EAPSI\_app\_site]. (If you received an EAPSI fellowship, you may have visited a different site, but here we want to know what site you listed in your application as your first choice.)

Is this correct?

- Yes, [EAPSI\_app\_site] was my first choice
- No, the first choice I listed on my most recent application for an EAPSI fellowship was: (Select site): [dropdown EAPSI site menu]. **Set EAPSI\_app\_site to selection.**
- I do not recall

**Fellows → Goto A3a.**

**Unfunded applicants → Goto A4.**

A3a. [Fellows only]: Some EAPSI fellows did not receive their first choice of host site. In which site was your EAPSI fellowship? **Select site:** [dropdown EAPSI site menu] *If you have held more than one EAPSI fellowship, please respond based on your most recent fellowship.* **Set EAPSI\_actual\_site = selection**

A4. Based on the information that you provided to NSF in your application, you were enrolled at [University] when you most recently applied for an EAPSI fellowship. Is this correct?

- Yes
- No, I was enrolled as a graduate student at (Enter full name of graduate institution without abbreviations): [textbox, 100]. **Set UNIVERSITY = text entered**

A5. What graduate degree were you pursuing when you most recently applied for the summer EAPSI fellowship?

- Master's degree (MA, MS)
- Doctoral degree (PhD, EdD, MD, joint MD/PhD, PsyD, ScD)
- Other – specify: [textbox, 50]

A5a. As of [October 1<sup>st</sup>, 2010], had you earned this degree?

- Yes → Go to A5b
- No → Go to A6

A5b. What month and year did you receive this degree?

\_\_|\_\_\_\_ (mm|yyyy) **Data check: month must be blank or two-digits in (01 to 12), year must be blank or four-digits between (1900 to 2011). If improper form, reject entry and display "Please enter a two-digit month (or leave it blank) and a four-digit year (or leave it blank)."**

A6. In what month and year did you first enroll as a graduate student at [University]? Enter two-digit month and four-digit year: [\_\_|\_\_\_\_ (mm|yyyy)] **Data check: month must be blank or two-digits in (01 to 12), year must be blank or four-digits between (1900 to 2011). If improper form, reject entry and display "Please enter a two-digit month (or leave it blank) and a four-digit year (or leave it blank)."**

A7. What discipline were you studying as a graduate student when you applied for an EAPSI fellowship? Please select the field that best matches your discipline. First, indicate which one of four broader areas in which your discipline falls: *Check one only*:

<sub>1</sub> Sciences  
(e.g., Biological/Life, Chemical, Computer/Information, Environmental, Earth/Atmospheric/Oceanographic, Geosciences, Mathematical/Statistical, Physics, Psychology)

<sub>2</sub> Social Sciences  
(e.g., Economics, Sociology, Anthropology/Archaeology, Political Science, Geography, Linguistics, other)

<sub>3</sub> Health/Medical fields

<sub>4</sub> Engineering

display one of three screens based on choice above:

- 1 Science screen
- 2 Social Science, Health screen
- 3 Social Science, Health screen
- 4 Engineering screen

**The next three pages should each be a separate screen. After R hits SUBMIT, go to Item B1**

## Science Fields

For Science/Math Education select the primary scientific or mathematical field, or select Social Sciences or Health/Medical and see “OTHER Social Sciences: 621: Education, General”

To view other fields, click on a button:  
[Social Sciences](#) or [Health/Medical](#) fields.  
[Engineering](#) fields.

<b>Agricultural/food sciences</b>	<input type="radio"/> 605 Animal sciences <input type="radio"/> 606 Food sciences/technology	<input type="radio"/> 607 Plant sciences <input type="radio"/> 608 OTHER agricultural sciences
<b>Biological sciences</b> <i>Bioengineering, see ENGINEERING, next page</i>	<input type="radio"/> 631 Biochemistry/biophysics <input type="radio"/> 632 Biology, general <input type="radio"/> 633 Botany <input type="radio"/> 634 Cell/molecular biology <input type="radio"/> 635 Ecology <input type="radio"/> 636 Genetics, animal/plant	<input type="radio"/> 637 Microbiological sciences/immunology <input type="radio"/> 638 Nutritional sciences <input type="radio"/> 639 Pharmacology, human/animal <input type="radio"/> 640 Physiology and pathology, human/animal <input type="radio"/> 641 Zoology, general <input type="radio"/> 642 OTHER Biological sciences
<b>Environmental life sciences</b>	<input type="radio"/> 680 Environmental science/studies	<input type="radio"/> 681 Forestry sciences
<b>Computer and information sciences</b> <i>For Computer Engineering, see ENGINEERING, next page</i>	<input type="radio"/> 671 Computer/information sciences, general <input type="radio"/> 672 Computer programming <input type="radio"/> 673 Computer science	<input type="radio"/> 674 Computer systems analysis <input type="radio"/> 676 Information services/systems <input type="radio"/> 677 OTHER computer/information sciences
<b>Mathematics and statistics</b>	<input type="radio"/> 841 Applied mathematics <input type="radio"/> 842 Mathematics, general <input type="radio"/> 843 Operations research	<input type="radio"/> 844 Statistics <input type="radio"/> 845 OTHER mathematics
<b>Chemistry, except biochem</b>	<input type="radio"/> 873 Chemistry except biochemistry ( <i>biochemistry, see Biological sciences</i> )	
<b>Earth, atmospheric, and ocean sciences</b>	<input type="radio"/> 872 Atmospheric sciences/meteorology <input type="radio"/> 874 Earth sciences <input type="radio"/> 875 Geology	<input type="radio"/> 876 Geological sciences, other <input type="radio"/> 877 Oceanography <input type="radio"/> 879 OTHER physical sciences
<b>Physics</b> <i>Biophysics, see Biological Sciences</i>	<input type="radio"/> 871 Astronomy/astrophysics	<input type="radio"/> 878 Physics
<b>Psychology</b>	<input type="radio"/> 891 Clinical psychology <input type="radio"/> 892 Counseling <input type="radio"/> 704 Educational psychology <input type="radio"/> 893 Experimental psychology	<input type="radio"/> 894 General psychology <input type="radio"/> 895 Industrial/organizational psychology <input type="radio"/> 896 Social psychology <input type="radio"/> 897 OTHER psychology

**SUBMIT**

## Social Sciences and Health/Medical fields

For Science/Math Education select the primary scientific or mathematical field (click on [Science](#)), or see below “OTHER Social Sciences: 621: Education, General”

To view other fields, click on a button:

[Science](#) fields.

[Engineering](#) fields.

<b>Economics</b>	<input type="radio"/> 601 Agricultural economics	<input type="radio"/> 923 Economics
<b>Political and related sciences</b>	<input type="radio"/> 927 International relations <input type="radio"/> 928 Political science/government	<input type="radio"/> 902 Public policy studies
<b>Sociology/Anthropology</b>	<input type="radio"/> 921 Anthropology/archaeology <input type="radio"/> 922 Criminology	<input type="radio"/> 929 Sociology
<b>OTHER social sciences</b>	<input type="radio"/> 620 Area/ethnic studies <input type="radio"/> 621 Education, general <input type="radio"/> 924 Geography <input type="radio"/> 925 History of science	<input type="radio"/> 771 Linguistics <input type="radio"/> 861 Philosophy of science <input type="radio"/> 930 OTHER social sciences
<b>Health</b>	<input type="radio"/> 781 Audiology/speech pathology <input type="radio"/> 782 Health services administration <input type="radio"/> 783 Health/medical assistants <input type="radio"/> 784 Health/medical technologies <input type="radio"/> 785 Medical preparatory programs (e.g., pre-dentistry, pre-medical, pre- veterinary) <input type="radio"/> 786 Medicine (e.g., general, internal, orthopedic, surgical, dentistry, optometry, osteopathic, podiatry, veterinary)	<input type="radio"/> 787 Nursing (4 years or longer program) <input type="radio"/> 788 Pharmacy <input type="radio"/> 789 Physical therapy and other rehabilitation/therapeutic services <input type="radio"/> 790 Public health (Including environmental health/epidemiology) <input type="radio"/> 791 OTHER health/medical sciences

**SUBMIT**

**Engineering fields**

For Science, Math or Engineering Education select the primary scientific or mathematical field (click on Science), or select Social Sciences or Health/Medical and see “OTHER Social Sciences: 621: Education, General”

To view other fields, click on a button:

Science fields.

Social Science or Health/Medical fields.

<b>Biochemical engineering</b> , see <i>Bioengineering/biomedical</i> under <i>OTHER Engineering</i>	
<b>Chemical engineering</b>	<input type="radio"/> 725 Chemical engineering
<b>Civil/architectural eng.</b>	<input type="radio"/> 723 Architectural engineering <input type="radio"/> 726 Civil engineering
<b>Electrical/computer engineering</b>	<input type="radio"/> 727 Computer/systems engineering <input type="radio"/> 728 Electrical/electronics/communications engineering
<b>Industrial engineering</b>	<input type="radio"/> 733 Industrial/manufacturing engineering
<b>Mechanical engineering</b>	<input type="radio"/> 735 Mechanical engineering
<b>OTHER engineering</b>	<input type="radio"/> 721 Aerospace/aeronautical/astronautical engineering <input type="radio"/> 732 Geophysical/geological engineering <input type="radio"/> 722 Agricultural engineering <input type="radio"/> 734 Materials engineering, including ceramics/textiles <input type="radio"/> 724 Bioengineering/biomedical engineering <input type="radio"/> 736 Metallurgical engineering <input type="radio"/> 731 Engineering, general <input type="radio"/> 737 Mining/minerals engineering <input type="radio"/> 729 Engineering sciences/mechanics/physics <input type="radio"/> 738 Naval architecture/marine engineering <input type="radio"/> 730 Environmental engineering <input type="radio"/> 739 Nuclear engineering <input type="radio"/> 740 Petroleum engineering <input type="radio"/> 741 OTHER engineering

**SUBMIT**

Do not display the following info: Source: SESTAT education codes in NSRCG major fields

## MODULE B: THE EAPSI APPLICATION PROCESS

B1. Why did you apply for an EAPSI fellowship? *Check all that apply.*

- To conduct research with a specific person or at a specific institution
- To collaborate with a foreign scientist
- To understand what research in my field was like outside the US
- To access resources (e.g. samples, equipment) for research that I could not find in the U.S.
- To enhance my skills or knowledge as a researcher
- To make progress towards earning my graduate degree
- To enhance my resume as a future job candidate
- To learn about the culture, history, and/or geography of another place
- To learn another language
- To travel outside of the United States
- For family reasons (e.g., to accompany a spouse traveling abroad)
- Other (please specify): [textbox, 300]

B2. For your application to the EAPSI program, why did you select the site you indicated was your first choice for host site? *Check all that apply.*

- The host researcher there was conducting research relevant to my own interests
- The host institution had equipment or resources helpful for my proposed research
- A faculty advisor or mentor recommended this particular site, the particular host institution or host researcher in this site
- I have professional ties with someone who is from this site
- The host researcher had visited my department or university
- There were particular places in this site (aside from the host institution) that I wanted to visit or see
- I had studied its culture, history, politics, geography, etc. before applying
- I was familiar with the primary language(s) spoken there
- Other reason (please specify): [textbox, 300]

- B3. Did the notification of your application status allow you sufficient time to make the necessary arrangements for your visit or to make alternative plans if you did not receive the award? *Check one only.*
- Yes
  - No
  - I don't recall
- B4. How did your primary graduate advisor view your decision to apply for an EAPSI? *Check all that apply.*
- I do not know how my advisor viewed my decision to apply
  - I did not have an advisor when I most recently applied
  - My advisor opposed my decision to apply
  - My advisor was indifferent to my decision to apply
  - My advisor supported my decision to apply
  - My advisor encourage me to apply to the EAPSI program
- B5. What types of mentoring or guidance did you receive from your graduate advisor or other mentors during the preparation of the EAPSI application? *Check all that apply.*
- Provided a letter of recommendation to NSF
  - Suggested a host institution
  - Recommended me to a colleague at the host institution
  - Provided feedback on my project proposal
  - Discussed cultural and language aspects of the host site with me
  - Other – specify: [textbox, 300]
  - None

B6. Did you participate in a pre-departure orientation? *Check one only.*

- Yes
- No → **Go To C1**
- I do not recall → **Go To C1**

B6a. Did the pre-departure orientation provide adequate information on the following topics?

*Check all that apply.*

- Living expenses
- Healthcare access
- Lodging
- Culture and rules of the host site
- Political situation in the host site
- What not to do in the host site
- What to do in case of emergency
- I do not recall → **Go To C1**

B6b. What additional topics do you think should have been covered during the orientation?

[textbox, 500].

**MODULE C: ABOUT YOU AT THE TIME OF YOUR APPLICATION**

Items in this section ask for information about the year in which you applied for an EAPSI fellowship.

C1. Using a 4-point scale, what was your overall undergraduate grade point average (GPA)?  
*If you have more than one bachelor's degree, give your overall grade point average for your first bachelor's degree. Check one only.*

- 3.75 – 4.00 GPA (Mostly A's)
- 3.25 – 3.74 GPA (About half A's/half B's)
- 2.75 – 3.24 GPA (Mostly B's)
- 2.25 – 2.74 GPA (About half B's/half C's)
- 1.75 – 2.24 GPA (Mostly C's)
- 1.25 – 1.74 GPA (About half C's/half D's)
- Less than 1.25 (Mostly D's or below)
- Did not take courses where grades were given

C2a. While you were an undergraduate, did you participate in a study abroad program or did you spend a semester (or more) pursuing your education outside the United States? *Check one only.*

- Yes
- No

C2b. Before applying to EAPSI, had you participated in a study abroad program as a graduate student or spend a semester (or more) pursuing your research or graduate education outside the United States? *Check one only.*

- Yes
- No

C3. Prior to applying for an EAPSI fellowship, had you ever visited or lived in any of the following places for a period of 30 days or longer? *Check all that apply.*

- Australia
- New Zealand
- China
- Japan
- Korea
- Taiwan
- Singapore
- None of the above places

C4. At the time you applied for an EAPSI fellowship, had you studied, or were you conversant in, any of the following languages? *Check all that apply.*

- Japanese
- Korean
- Chinese (Mandarin or Cantonese)
- Malay
- Tamil
- Māori
- Hindi or Urdu
- Russian
- None of the above

C5. At the time you applied for an EAPSI fellowship, had you participated in any international or intercultural clubs, organizations, or professional associations? *Check one only.*

- Yes
- No

C6. At the time you applied for EAPSI, had you done any of the following? *Check all that apply*

- Attended elementary or secondary school in another country (outside the U.S.)
- Lived outside the U.S. for six months or longer
- Collaborated on research with someone based in another country
- Published research with someone based in another country
- Attended or presented scholarly work at a research conference in another country
- Participated on a research team with a scientist who was visiting my graduate institution from a foreign institution
- Worked with a colleague who had completed an EAPSI Fellowship

C7a. In your application for EAPSI, did you include a letter of support (or other written communication, such as an email message) from the host scientist with whom you proposed to work? *Check one only.*

- Yes
- No

C7b. At the time you applied for EAPSI, were you already collaborating with the host scientist or someone else at the host institution to which you applied? *Check one only.*

- Yes, with my proposed host scientist
- Yes, with someone else at the host scientist's institution
- No

- C7c. Which of the following were true at the time of application? *Check all that apply.*
- My graduate advisor or another faculty member in my department was collaborating or had collaborated with a researcher at the host institution
  - My graduate department or university had an existing collaboration or graduate student exchange program with the host institution
  - Other graduate students from my university or department had been to the host institution
  - There was another type of relationship between my graduate institution and the host institution. **Please specify:** [textbox, 300]
  - None of the above were true (to my knowledge)

- C8. At the time you applied for EAPSI, how many of the following had you authored/co-authored, edited/co-edited, developed/co-developed?
- Include articles in-press, patents registered; do not include manuscripts or products under review at the time. Include works published in electronic or printed format but do not count the same work more than once if it is available in multiple formats.*

Total number published/ in-press	Number completed in collaboration with a foreign colleague	
		Peer-reviewed journal articles
		Peer-reviewed conference publications (e.g. abstracts, conference papers, posters)
		Patents and licenses, registered or pending
		Book chapter(s) (e.g., in edited volumes)

- C9. By the time you applied for an EAPSI Fellowship, had you received a nationally competitive fellowship(s) to support your graduate studies? *Do not include support you received directly from your graduate institution or support from a faculty member's grant funding.*

**Nationally-competitive fellowships** are unrestricted fellowships granted by a federal agency, private foundation, or similar organization directly to an individual graduate student (or graduate school applicant) for use at any graduate institution of his/her choosing. *Check one only.*

- Yes
- No

## MODULE D: PROFESSIONAL HISTORY

In this section, we ask about various professional experiences and accomplishments that have occurred between [EAPSI\_year] and a standard “reference date.” We use a standard date so that all survey participants think about the same period of time when answering these questions.

D1. As of October 1, 2010, what is the highest degree you have completed? *Check one only:*

- Bachelor’s degree (BS, BA)
- Master’s degree (MA, MS, MBA, etc.)
- Doctoral degree (PhD, EdD, MD, joint MD/PhD, JD, PsyD, ScD, etc.)
- Other degree– specify: [textbox, 50]

**If respondent holds Doctoral Degree, then go to D1b. Else skip to D1c.**

D1b. **[all respondents]**: Since receiving your first doctoral degree, how many postdoctoral appointments have you held **at institution(s) outside the United States**? Please include any postdocs you held through October 1, 2010. *Check one only.*

- 0
- 1
- 2
- 3 or more

D1c. During the week of October 1, 2010 were you working for pay or profit? Work includes being self-employed, on a postdoctoral appointment, or on any type of paid or unpaid leave, including vacation. *Check one only.*

- <sub>1</sub> Yes, in a postdoctoral position → **GOTO D4**
- <sub>2</sub> Yes, in another type of position (not a postdoctoral appointment) → **GOTO D2**
- <sub>3</sub> No, I was still in graduate school then → **GOTO D6**
- <sub>4</sub> No, I was not in graduate school and not working then → **GOTO D6**

**IF D1c = 3 (I was still in graduate school) then LET “CurrGrad = 1” (see note after Item D6)**

D2. Was your primary employer during the week of [October 1, 2010] an educational institution? *Check one only*

- Yes → **GOTO D2a**
- No → **GOTO D3**

D2a. Was the educational institution where you worked a . . . *Check one only*

- Preschool, elementary, middle, or secondary school or system → **GOTO D4**
- Two-year college, community college or technical institute
- Four-year college or university other than a medical school
- Medical school (including university-affiliated hospital or medical center)
- University-affiliated research institute
- Other educational institution [please specify]: [textbox, 150]

**\*Four-year college/university includes doctoral-granting and non-doctoral-granting institutions.**

D2b. During the week of [October 1, 2010] what type of academic position did you hold at this institution? *Mark Yes or No for each item.*

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	President, Provost, or Chancellor (any level)
<input type="checkbox"/>	<input type="checkbox"/>	Dean (any level), department head or chair
<input type="checkbox"/>	<input type="checkbox"/>	Research faculty, scientist, associate or fellow
<input type="checkbox"/>	<input type="checkbox"/>	Teaching faculty
<input type="checkbox"/>	<input type="checkbox"/>	Adjunct faculty
<input type="checkbox"/>	<input type="checkbox"/>	Other (please specify: [textbox, 75])

D2c. During the week of [October 1, 2010], what was your faculty rank? *Check one only*

- Not applicable: no ranks designated at this institution
- Not applicable: no ranks designated for my position
- Professor/Full Professor
- Associate Professor
- Assistant Professor
- Instructor
- Lecturer
- Other: [textbox, 75]

D2d. What was your tenure status? *Check one only*

- Not applicable: no tenure system at this institution
- Not applicable: no tenure system for my position
- Tenured
- On tenure track but not tenured
- Not on tenure track

→ **Go to D4**

**D3 only for respondents where D2 = NO**

D3. Which of the following best describes your primary employer during the week of October 1, 2010?  
*Check one only.*

- SELF-EMPLOYED or a BUSINESS OWNER (non-incorporated or incorporated business, professional practice, or farm)
- PRIVATE SECTOR (for-profit or non-profit, including tax-exempt and charitable organizations; includes private colleges/universities)
- Local GOVERNMENT (city, county, school district)
- State GOVERNMENT (including state colleges/universities)
- U.S. MILITARY service, activity duty or Commissioned Corps (e.g., USPHS, NOAA)
- U.S. federal GOVERNMENT
- OTHER type of employer: Please specify: [textbox, 300]

D4. In performing the primary job you held during the week of [October 1, 2010], did you work with individuals located in countries other than the US? *Check one only. If you held a postdoctoral appointment at this time, please consider that your primary job.*

- Yes → **GOTO D4a**
- No → **GOTO D5**

D4a. Did your work with individuals in countries other than the US involve . . .  
*Mark Yes or No for each item.*

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Sharing data or information?
<input type="checkbox"/>	<input type="checkbox"/>	Sharing materials, equipment, or facilities?
<input type="checkbox"/>	<input type="checkbox"/>	Preparing a joint publication?
<input type="checkbox"/>	<input type="checkbox"/>	Jointly developing a product, process, or program?
<input type="checkbox"/>	<input type="checkbox"/>	Collaborating on a research project?
<input type="checkbox"/>	<input type="checkbox"/>	Other type of work? Specify: [textbox, 300]

D5. Between [EAPSI\_year] and October 1, 2010, did you receive any grants (as Principal Investigator or co-Principal Investigator), prestigious awards or honors based on your research? *If you were an EAPSI fellow, do not count the EAPSI Fellowship itself. Check Yes or No for each.*

Not applicable for my position (e.g., not eligible for grants/awards)	Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grant(s) as Principal Investigator
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grant(s) as co-Principal Investigator
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prestigious award(s)/honor(s)

**If any row in D5 = Yes: → Former EAPSI Fellows, GO TO D5a; Unfunded applicants, SKIP to D5b**  
**If ALL rows in D5 = No or Not applicable → GO TO D6.**

D5a. [**former EAPSI Fellows only**] Were any of these grants or awards based on research conducted or advanced during your EAPSI fellowship? *Check one only*

- Yes
- No
- Not sure

D5b. What was the name of the most prestigious grant, award or honor for research you have received and who did it come from?

(i) Name of award: [textbox, 300]

(ii) The award was from: *Check one:*

- An institution where I was employed or my doctoral institution
- A US-based professional association
- An international organization
- A U.S. government agency
- A private foundation in the U.S.
- None of the above

(iii) Please type the full name of the awarding agency or organization: [textbox, 300]

D6. Between [EAPSI\_year] and [October 1, 2010], how many of the following works had you published or produced (on your own or with others)?

*Include works “in press” but do not include works “under review” or “in preparation.” Include works published in electronic or printed format but do not count the same work more than once if it is available in multiple formats.*

*Make your best approximation if you do not know the exact number.*

**The first row should not appear on-screen, and the column “EAPSI Fellows only” should appear only for FELLOWS not for UNFUNDED APPLICANTS**

Do not display this row on-screen	All Respondents	All respondents	EAPSI Fellows only:
	Total (if none, enter “0”)	How many of these in collaboration with foreign colleague(s)?	How many of these in collaboration with your EAPSI host?
Peer-reviewed journal articles			
Peer-reviewed conference publications (e.g. abstracts, conference papers, posters)			
Patents and licenses, registered or pending			
Book chapter(s) (e.g., in edited volumes)			

**AFTER ITEM D6, IF CurrGrad = 1 THEN GO TO G1; ELSE IF CurrGrad = 0 THEN GO TO D7**

D7. Between [**year of EAPSI**] and [**October 1, 2010**], have you ever worked in a country other than the United States? (“Work” refers here to employment for pay or profit.)

- Yes → **GOTO D7a**
- No → **GOTO D8.**

D7a. For how many years (if less than 1 year, how many months) did you work in another country (or countries)?

I worked in another country/countries for: *Check one only.*

- Less than 1 year → **Go to D7a\_(i)**
- 1 year or longer → **Go to D7a\_(ii)**

D7a\_(i). Enter number of months total: [textbox, 2] → **Go to D8**

D7a\_(ii). Enter number of years total: [textbox, 2] → **Go to D8**

**D7a(i) and D7a(ii) should appear on - screen together with D7a.**

D8. Between [**EAPSI\_year**] and the week of [**October 1, 2010**], did you mentor any individuals from the United States who conducted research in another country?? *Check all that apply*

- I mentored undergraduate students who conducted research abroad
- I mentored graduate students who conducted research abroad
- I mentored postdocs who conducted research abroad
- I mentored faculty who conducted research abroad
- I mentored research scientists who conducted research abroad
- I mentored other individuals who conducted research abroad
- I did not mentor any individuals who conducted research abroad

**Former Fellows: Go to D9**

**Unfunded applicants: Go to D10**

**D9 for Former EAPSI fellows only**

In this next question, we’re interested in any effects that your participation in EAPSI may have had on people or institutions you’ve worked with in the U.S. since the end of your EAPSI fellowship.

D9. Since the end of your EAPSI fellowship, did you do any of the following? *If, since the end of your EAPSI fellowship, you have been unemployed, self-employed or worked only outside the United States, please select “Not applicable” in each row.*

	Yes	No	Not applicable
I have taught my colleagues, students, or peers research methods that I learned during my EAPSI fellowship	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have shared with my colleagues resources (e.g., data, samples, materials) or tools (e.g., algorithms, software, instruments) that I collected developed during my EAPSI fellowship	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Former EAPSI fellows continue to D10**

D10. Between [EAPSI\_year] and [October 1, 2010], did you do any of the following? *If during this period you have been unemployed, self-employed or worked only outside the United States, please select “Not applicable” in each row.*

	Yes	No	Not applicable
I have established a program to foster international collaborations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have hosted researchers or professional colleagues from another country at my institution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have led a delegation of colleagues to visit a research laboratory, university, or business in another country	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have established or served in a leadership role for an international association for professionals in my line of work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Fellows GO TO E1**

**Unfunded GO TO G1**

## MODULE E: THE EAPSI FELLOWSHIP EXPERIENCE

E1. In preparation for your EAPSI fellowship, did you study a language spoken in your host site? *Check all that apply.*

- No, I was already familiar with the language spoken in the host site
- No, I did not study a language spoken in the host site
- Yes, I did some self-guided language study (i.e., individual study using books or computer-based instructional software, such as *Rosetta Stone*)
- Yes, I studied with a conversation partner or a tutor who was familiar with a language spoken in the host site
- Yes, I enrolled in a formal language training course led by an instructor (either an online course or “live” course)

E2. During your EAPSI fellowship, did you attend or participate in any of the following types of cultural or leisure activities? *Check all that apply*

- Sightseeing
- Museums
- Festivals, holiday or religious ceremonies
- Outdoor activities to explore the landscape, geography
- Sporting events
- Non-scientific lectures or presentations
- Other (please specify):
- I did not participate in any cultural activities

E3. During your EAPSI fellowship, did you attend or participate in any of the following types of professional activities? *Check all that apply.*

- Visit(s) to educational or research institutions other than my host institution
- Visit(s) to businesses/industrial laboratories
- Language courses or language study
- Lectures, colloquia, seminars in my field
- I gave a talk or presentation to researchers in my host site
- Networking with colleagues from institutions other than my host institution
- Other (please specify):
- I did not attend or participate in any professional activities

D3a. Please describe one of the most memorable activities or events you experienced in your host site:

[textbox, 2500]

E4. Who was primarily involved in the following activities related to the EAPSI project(s) on which you worked? *Mark one answer in each row.*

	Mostly me independently	Mostly the host or members of his/her group without me	Me and the host or host's research group together about equally	Not applicable
Developing the ideas, hypotheses, broad framework, or vision for the research project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Researching literature or research base relevant to the project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Keeping records, tracking supplies, resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Developing instrumentation, software, equipment, or data collection processes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collecting data or carrying out simulations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyzing data or observations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interpreting results	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Planning or developing follow-up work based on results	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Written, oral dissemination of results (publications, presentations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- E5. Did you experience any of the following difficulties during your fellowship? *Check all that apply.*
- Inadequate access to space, facilities, equipment, computers, resources/supplies
  - My role on the project was less than that merited by my skills/knowledge
  - Not enough guidance from host/host's research group
  - I was asked to do work that was someone else's responsibility
  - Not given credit for my contributions to advancing a project
  - Communication or language difficulties
  - Logistical difficulties (e.g., with transportation, navigating bureaucracy, etc. )
  - Legal or medical difficulties in my host site
  - I felt that my ideas were not treated with respect
  - Encountered barriers or discomfort based on my gender
  - Encountered barriers or discomfort based on my race/ethnicity
  - Encountered barriers or discomfort based on my cultural or religious background
  - Encountered barriers or discomfort based on a disability
  - Other (please specify): [textbox, 300]
  - None
- E6. During your EAPSI fellowship, who provided direct supervision while you were conducting your work? *Check all that apply.*
- The host researcher him/herself
  - Another staff scientist
  - A junior faculty member or post-doctoral fellow
  - Other graduate student(s)
  - A laboratory technician or other employee/worker
  - No one, I was not supervised by anyone
- E7. Were any researchers from your graduate institution involved in the project(s) you conducted during EAPSI? *Check all that apply.*
- My graduate advisor
  - Other faculty at my U.S. graduate institution
  - Other graduate students at my U.S. graduate institution
  - Undergraduate students at my U.S. graduate institution
  - None of the above

E8. Please indicate how satisfied you were with various aspects of your EAPSI experience. *Check one answer in each row.*

<b>Accommodations &amp; Logistics</b>	<b>Very dissatisfied</b>	<b>Somewhat dissatisfied</b>	<b>Somewhat satisfied</b>	<b>Very satisfied</b>
Lodging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fellowship support amount	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fellowship duration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research/laboratory facilities at the host institution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access to the internet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Your host</b>				
Frequency of meetings with host	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Match between host's and my research interests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Host's expertise in his/her field	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The level of the host's intellectual contribution to our joint research project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Host's efforts to help me meet other researchers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Host's inclusion of me in research group/laboratory, meaningful collaboration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Guidance or mentoring provided by host	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Your experiences</b>				
Opportunities to experience and learn about culture, history, geography, etc. in my host site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The quality of research I was able to conduct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Match between scope or goals of project and duration of EAPSI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Professional connections made during the fellowship	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

E8a. If you would like to elaborate or comment further on areas of satisfaction or dissatisfaction with your EAPSI experience, please do so.

textbox, 2500

## MODULE F: AFTER YOUR EAPSI FELLOWSHIP

F1. Since the conclusion of your EAPSI fellowship and [October 1, 2010], have you collaborated or communicated with your host scientist? *Check one only*

- I have collaborated on a research project → **GOTO F1a**
- I have communicated with my host but haven't collaborated further on research → **GOTO F1c**
- I have not communicated with my host → **GOTO F1c**

F1a. What was the extent of your collaboration? *Check all that apply*

- I have a position in the host's group
- I have a position at the host's institution
- We exchanged ideas, data, ideas, research results, or tools
- We co-authored papers
- We co-advised students
- We visited each other at our institutions
- Other – specify [textbox, 300]

F1b. How recently has the latest collaboration with your host occurred? *Check one only*

- Within the past 6 months → **GOTO F2**
- Within the past 12 months → **GOTO F2**
- 1-2 years ago → **GOTO F2**
- 3 or more years ago → **GOTO F2**

F1c. Why do you no longer collaborate with your former host? *Check all that apply*

- Our research interests diverged
- One or both of us lacked funding needed to maintain collaboration
- Language differences have hindered further collaboration
- Political or cultural differences have hindered further collaboration
- Geographic distance has hindered further collaboration
- I did not think that further collaboration would be beneficial for me
- My host did not actively pursue or maintain further collaboration with me
- My colleagues discouraged me from continuing this collaboration
- My advisor discouraged me from continuing this collaboration
- One (or both) of us is too busy with other projects
- Other – specify [textbox, 300]

F2. Did participating in EAPSI make you qualified for a broader range of opportunities after the fellowship ended? *Check one only.*

- Yes, EAPSI did broaden my opportunities → **GOTO F3a**
- No, EAPSI did not broaden my opportunities → **GOTO F2b**
- I am not sure → **GOTOF3**

F2a. Describe how EAPSI broadened your opportunities:

[textbox, 2500]

F2b. Did EAPSI constrain your opportunities? *Check one only.*

- Yes → **Go to F2c**
- No → **Go to F3**

F2c. Describe how EAPSI constrained your opportunities:

textbox, 2500

F3. Which of the following professional benefits occurred as a result of your participation in EAPSI?

*Check all that apply*

- My work at the host institution resulted in a substantial advancement in my research
- My work at the host institution opened up new areas of investigation
- I became familiar with the scientific enterprise in my EAPSI site
- I became committed to international research collaboration
- I made valuable connections to researchers outside the U.S.
- My career goals changed from an academic career to a non-academic career
- My career goals changed from a non-academic to an academic career
- I decided to pursue a graduate degree in a different discipline than the one I was pursuing when I began my EAPSI fellowship
- EAPSI participation made me more competitive for jobs I was interested in
- EAPSI participation made me consider professional opportunities I would not have considered in the past
- None of the above

F4. Which of the following additional benefits occurred as a result of your participation in EAPSI? *Check all that apply*

- Research methods or ideas that I learned benefited others in my institution
- Samples that I collected or tools that I developed benefited others in my institution
- My peers became interested in international collaboration
- Others in my research group (in the U.S.) began an international research collaboration
- Researchers that I met during my fellowship joined my research group
- Other – specify [textbox]
- None of the above

F5. Which of the following personal benefits occurred as a result of your participation? *Check all that apply.*

- I became comfortable with the traditions and culture of my host site
- I made personal connections in the places I visited during the fellowship
- I gained proficiency in another language
- I decided to live outside the United States (i.e. at least 6 months)
- None of the above

F6. Which of the following are true? *Check Yes or No for each:*

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Completion of my graduate degree was delayed because of my participation in EAPSI
<input type="checkbox"/>	<input type="checkbox"/>	Competition was introduced between my research group and the host because of my participation in EAPSI
<input type="checkbox"/>	<input type="checkbox"/>	I lost an important career or educational opportunity by participating in EAPSI
<input type="checkbox"/>	<input type="checkbox"/>	I am more skeptical about international collaboration than before EAPSI

F7. What was the most positive aspect of your EAPSI experience? [textbox, 2500]

F8. What was the most challenging aspect of your EAPSI experience? [textbox, 2500]

F9. Would you recommend the EAPSI fellowship to another graduate student seeking an international experience? *Check one only.*

Yes

No

F9a. Why or why not? [textbox, 2500]

F10. Would you recommend your EAPSI host scientist to another graduate student seeking an international experience? *Check one only.*

Yes

No

F11. Your fellowship took place in [**EAPSI\_site**]. Would you recommend this EAPSI site to another graduate student seeking an international experience? *Check one only.*

Yes

No

F12. What would you change about the program? [textbox, 2500]

F13. What was the most important contribution of EAPSI participation to your career?  
[textbox, 2500]

**MODULE G: DEMOGRAPHIC INFORMATION**

G1. What is your gender?

- Male
- Female

G2. What is your ethnicity? *Check one only.*

- Hispanic or Latino
- Not Hispanic or Latino

G3. What is your race? *Check one or more.*

- American Indian or Alaska native
- Asian
- Black or African American
- Native Hawaiian or other Pacific Islander
- White

G4. What is your citizenship status? *Check one only.*

- United States citizen since birth → Go to G5
- United States citizen, naturalized → Go to G4a
- Non-U.S. citizen with a permanent U.S. Resident Visa (“Green Card”) → Go to G4a
- Non-U.S. citizen with a temporary U.S. Visa → Go to G4a

G4a. How old were you when you began living in the United States? (Enter age in years): [textbox, 2]

G5. What is the USUAL degree of difficulty you have with: *Mark one answer for each item.*

		None	Slight	Moderate	Severe	Unable to do
1	SEEING words or letters in ordinary newsprint (with glasses/contact lenses, if you usually wear them)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>
2	HEARING what is normally said in conversation with another person (with hearing aid, if you usually wear one)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>
3	WALKING without human or mechanical assistance or using stairs	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>
4	LIFTING or carrying something as heavy as 10 pounds, such as a bag of groceries	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>5</sub>

**If all 4 rows in G5 are marked “None,” Go to Thank you screen. Else go to G5a.**

G5a. What is the earliest age at which you first began experiencing any difficulties in any of these areas?

- Since birth; or Enter age in years:

**SUBMIT SURVEY**

**Thank you screen: After hitting SUBMIT, respondent sees this screen.**

## **EAPSI applicant survey**

### **Conclusion**

Thank you for completing this survey. If you have any general comments about the survey, please write them below.

Textbox, 2500

If you have any questions about this survey or the study, please contact Dr. Alina Martinez, Study Director, Abt Associates, at (866) 421-6223 (toll-free within the US) or email her at [EAPSI\\_survey@abtassoc.com](mailto:EAPSI_survey@abtassoc.com). You may also contact John Tsapogas, who is overseeing this study at NSF, with any questions or comments: [jtsapoga@nsf.gov](mailto:jtsapoga@nsf.gov).

**Thank you for your assistance. We greatly appreciate your time and consideration.**

## CONFIRM FELLOWSHIP SCREEN, SECTION R

NSF's records may be in error. However, it may be that you do not recognize the term "East Asia and Pacific Summer Institutes (EAPSI) program." For example, all of the following summer institutes are part of the EAPSI program:

- The Summer Institute in **Japan**, a joint program of the Japan Society for the Promotion of Science (JSPS) and NSF;
- The Summer Institute in **Korea**, and joint program of the Korea Science and Engineering Foundation (KOSEF) and NSF;
- The Summer Institute in **Taiwan** (SIT), a joint program of Taiwan's National Science Council (NSC) and NSF;
- The EAPSI summer institute in **Australia**, supported by the Australian Academy of Science and NSF;
- The **China** Summer Institute, supported by NSF and the Chinese Ministry of Science and Technology (MOST), the Chinese Academy of Sciences (CAS), and National Natural Science Foundation of China (NSFC).
- The EAPSI summer institute in **New Zealand**, coordinated by the Royal Society of New Zealand and supported by the New Zealand Ministry of Research, Science and Technology (MoRST) and NSF;
- The EAPSI summer institute in **Singapore**, co-sponsored by Singapore's National Research Foundation and NSF.

If you participated in any of the above, then for the purposes of this survey, you participated in an EAPSI summer institute.

Did you participate in any of the above?

- Yes, I did → RETURN TO PRIOR SCREEN (Intro Screen #1 or A2.1)
- No, I did not → Go TO EXIT SCREEN
- I'm not sure → Go TO R1

**R1: Even if you're not sure, we would like you to complete this survey to the best of your ability.** The survey focuses on your professional achievements, the type of work you do currently and the types of collaborations you may have with scientists and engineers in the US and other countries, in addition to your EAPSI summer experiences. **Please click here to continue with the survey (you may Exit on the next screen if you wish):** **CONTINUE** Go to Prior Screen: Intro Screen #1 or A2.1 (update automatically so that A2.1 = Yes, this is correct)

## SECTION S

Some graduate students may have travelled with a U.S. faculty member and other graduate students (from any college or university, not necessarily your graduate institution) to Australia, China, Japan, Korea, New Zealand, Taiwan, or Singapore for several weeks during the summer. However, if you yourself did not prepare and send a research proposal and application to the National Science Foundation (NSF), then it is likely NSF's records have mis-identified you.

Did you prepare and submit to NSF your own individual application for a summer institute in Australia, China, Japan, Korea, New Zealand, Taiwan, or Singapore?

- Yes, I did → go to S1 and FLAG this case for review by Abt
- No, I travelled there under the sponsorship of a U.S. faculty member → go to EXIT SCREEN
- I'm not sure → go to EXIT SCREEN

**S1:** Please accept our apology for the mistake in our records. Let's continue with the survey: You indicated that you participated in EAPSI in [EAPSI\_year] in [EAPSI\_site]. Please click to continue.

**CONTINUE** Go to A3

**EXIT SCREEN screen:**

**If we have identified the wrong respondent or have erroneous information, display this screen and FLAG this respondent for Abt follow-up (weekly basis):**

## EAPSI applicant survey

**Please accept our apology.**

The information you supplied suggests that you are not eligible to participate in this study **or** that we have reached you in error. We regret any inconvenience to you. If you have any questions about this study or you would like to make a comment, please contact one of the following individuals:

- Dr. Alina Martinez, Study Director at Abt Associates: EAPSI\_survey@abtassoc.com, or (866) 421-6223 (toll free within the U.S.);
- John Tsapogas, Office of International Science and Engineering, NSF: jtsapoga@nsf.gov.

May we have permission to contact you by telephone to clarify your responses here? Entering your number does not obligate you to answer any questions.

- Yes, you may reach me at \_\_\_\_ - \_\_\_\_ - \_\_\_\_ . [telephone digit entry] **Go to Best Times.**
- No, please do not contact me.

Best time(s) to call (*check all that apply*):

- Weekdays (9 to 5pm)
- Evenings (5 to 8pm)
- Saturday or Sunday 9-5pm

## National Science Foundation

### IRFP Host Survey

This survey is being conducted by Abt Associates Inc. and our subsidiary, AbtSRBI, for the National Science Foundation (NSF), to learn about the graduate experiences, career choices, and professional activities of individuals who participated in NSF's International Research Fellowship Program (IRFP). You are receiving this survey because you are listed in the IRFP database as a host of an IRFP fellow.

#### Confidentiality and Participation

Participation in the survey is voluntary and nonparticipation will have no impact on you or your institution. You may skip questions on the survey or discontinue participation at any time. There are minimal risks associated with your participation. We take your privacy very seriously. Your responses to this survey will be protected under the U.S. Privacy Act. There is minimal risk of breach of confidentiality, and we have put in place procedures to minimize this risk. Reports will never identify you by name, and information from the study will only be reported in the aggregate at the program level, combined with about 250 other responses. When we receive your survey we will detach and store separately your name and other identifying information that could be used to link you to your survey responses. Survey responses will be stored on a secure drive that is only accessible to members on the study team. Only study team web technicians and data analysts from Abt Associates and AbtSRBI will see individual responses that can be linked to you. Survey data files will be shared with NSF at the end of the study, only after study team members have examined the data to be free of any information that could help identify you; this cleaning includes procedures to prevent someone from inferring your identity by analyzing non-identifying data. Hence, we encourage you to respond candidly about your experiences. Separate from your individual responses to the survey we will provide NSF any updated contact information we have found or requested from you. None of this contact information will be linked in any way to your survey responses. At the conclusion of the study, Abt Associates and AbtSRBI will destroy all records, electronic or otherwise, that link you to your survey responses.

#### Completing the Survey

We estimate that it will take approximately 15 minutes to complete the survey. If you have questions about the study, please contact the study director, Alina Martinez of Abt Associates Inc. at (866) 421-6223 (may incur international telephone charges if initiated outside the U.S) or email her at [IRFP\\_survey@abtassoc.com](mailto:IRFP_survey@abtassoc.com). You may also contact the evaluation's program officer at NSF, John Tsapogas ([jtsapoga@nsf.gov](mailto:jtsapoga@nsf.gov)). If you have questions about your rights as a research participant, you may contact Teresa Doksum, the Abt Institutional Review Board Administrator at (877) 520-6835 6835 (may incur international telephone charges if initiated outside the U.S) or by email: [irb@abtassoc.com](mailto:irb@abtassoc.com).

To learn more about this study, please refer to the **Frequently Asked Questions** page.

#### Consent

Please continue with the survey if you agree to participate in this study.

This study's IRB approval number is #0494, valid from 8/6/2010 to 8/5/2011. For questions, please contact Teresa Doksum, IRB Administrator, Abt Associates, at [IRB@abtassoc.com](mailto:IRB@abtassoc.com).

The valid OMB control no. for this information collection is **xx-xxxxx**. (Expires on **mm/dd/yyyy**)

**Continue**

**[Note for reviewers: This survey will be programmed for on-line administration. The formatting of items may appear differently on-line.]**

Notes in brown are for programming purposes.

Some questions will be received by specific groups of individuals only. These skip patterns are indicated throughout the survey. For the paper version, we have included these skip patterns in text. These will be programmed into the online version.

There are places throughout the survey where Institution, year, name etc. will be filled into the question or instruction text using a sample file.

## FREQUENTLY ASKED QUESTIONS

- [What is the International Research Fellowship Program \(IRFP\)?](#)
- [Why are you doing this study?](#)
- [Why have I been selected to participate in this survey?](#)
- [How did you get my contact information?](#)
- [How long will this survey take to complete?](#)
- [How will you use my comments?](#)
- [Does this study have human subjects review clearance?](#)
- [Who is funding the study?](#)
- [Who are Abt Associates Inc and AbtSRBI?](#)

### *What is the International Research Fellowship Program (IRFP)?*

The International Research Fellowship Program (IRFP) is a National Science Foundation (NSF) program that provides support for new doctoral-level scientists and engineers to conduct research in a foreign country for a period of 9 to 24 months.

### *Why are you doing this study?*

NSF is interested in learning about the experiences of researchers who have hosted one or more IRFP fellows from the United States as part of the IRFP program. In particular, NSF would like to understand how host researchers perceive the program and the students they have hosted, and what kinds of benefits and challenges host researchers experienced. The information collected in the study will help NSF make improvements to the program, and understand how best to support and encourage international collaboration.

### *Why have I been selected to participate in this survey?*

You have been selected to participate because we have identified you as having hosted one or more U.S. fellows participating in the IRFP program.

### *How did you get my contact information?*

We identified you from records maintained by the National Science Foundation on IRFP participants and the scientists who hosted them. We then confirmed your contact information through an internet search.

### *How long will this survey take to complete?*

We estimate that the survey will take about 15 minutes.

### *How will you use my comments?*

Responses from all survey respondents will be used to answer questions about the experiences of IRFP host researchers with the program and with the guest fellows.

***Has this study been reviewed and approved by an institutional review board?***

Yes, the study was also approved by Abt Associates' Institutional Review Board. If you have any concerns about your participation in this survey, please contact Teresa Doksum, Institutional Review Board Administrator at Abt Associates, at (877) 520-6835 or via email at [irb@abtassoc.com](mailto:irb@abtassoc.com).

***Who is funding the study?***

The study has been funded by the National Science Foundation under contract GS-10F-0086K. Abt Associates and AbtSRBI will complete the study.

***Who are Abt Associates Inc and AbtSRBI?***

Abt Associates is an independent research firm headquartered in Cambridge, Massachusetts. AbtSRBI is a wholly-owned subsidiary of Abt Associates specializing in large-scale data collection and public opinion research. NSF has contracted with Abt Associates and AbtSRBI to design and implement a survey of individuals who applied to NSF's International Research Fellowship Program (IRFP).

## IRFP Foreign Hosts

We now would like to ask you about your experiences with the program. Please respond to the best of your recollection.

### Module A: Basic Information

- A1. Based on the NSF IRFP database, your name is [First Name, Middle Name/initial, Last Name]. Is this information correct? *Mark one answer*
- Yes, my name is correct.
  - No, my name has changed or is misspelled above. My name is: [Textbox]
  - No, I am not the person named above. I believe you have reached me by mistake.
- A2. Based on the NSF IRFP database, you hosted an IRFP fellow named [Fellow name]. Is this information correct? *Mark one answer*
- Yes, the fellow's name is correct.
  - No, the fellow's name is incorrect. The correct name is: [Textbox]
  - I never participated in the IRFP program. **EXIT SURVEY.**
- A3. Based on the NSF IRFP database, you hosted [Fellow name] in [Year of IRFP experience]. Is this information correct? *Mark one answer*
- Yes, the year is correct.
  - No, the year is incorrect. The correct year is: [Textbox]
- A4. Based on the NSF IRFP database, you hosted [Fellow name] at [Name of institution]. Is this information correct? *Mark one answer*
- Yes, the institution is correct.
  - No, the institution is incorrect. The correct institution is: [Textbox]
- A5. Before hosting [Fellow Name] in [Year of IRFP], had you ever before hosted a visiting researcher from the United States?
- Yes, I had hosted another IRFP Fellow previously
  - Yes, but the individual(s) was not sponsored by the IRFP program
  - No, I had never before hosted a visiting researcher from the United States

*The remaining items on this survey refer to the IRFP Fellow named above [Fellow name] and (or) to the period of time during which you hosted this individual at your institution [Year of IRFP experience]. If you have hosted more than one IRFP Fellow, please answer items on this survey with respect to [Fellow name], who you hosted beginning in [Year of IRFP experience].*

- A6. As of [reference week] are you working at [Name of institution], the institution where you worked when you hosted this IRFP Fellow
- Yes, I currently work at the same institution
  - No, I no longer work there. I am now working at (please tell us the name of your current employer, university, or company): [Textbox]

A7. Have you increased your collaboration with U.S. researchers as a result of your participation in the IRFP?

- Yes
- No

A8. Prior to hosting to this IRFP fellow, had you visited the United States for training or other professional purposes? *Check all that apply*

- Yes, I was an undergraduate student in the United States
- Yes, I was a graduate student in the United States
- Yes, I was a postdoc in the United States
- Yes, I was a visiting scientist in the United States
- Yes, I was a faculty member in the United States
- Yes, I came to the United States to attend a conference, a workshop, or a meeting
- Other. Please specify: [Textbox]
- No, I have not visited the United States for any professional purposes

A9. Did you know [Fellow Name] or one of his/her colleagues before you hosted this IRFP Fellow?

- Yes
- No

A10. Which of the following characterizes your department (or research unit within your institute)? *Check all that apply.*

- My department (or research unit) encourages international collaborations
- Faculty (or employees) in my department (or institution) are rewarded for developing international research partnerships
- My department (or research unit) provides financial support to faculty (or employees) pursuing international collaborations
- My department (or research unit) promotes (that is, advertises) fellowships and other opportunities for researchers in my country to conduct research in another country
- My department (or research unit) hosts foreign researchers visiting my institution for research-related purposes
- None of the above

## Module B: Participation Decision and Goals

B1. How did you first learn about the IRFP program? *Mark one answer*

- From the IRFP fellow I hosted
- From the IRFP fellow's PhD (doctoral) advisor
- From another faculty member at the IRFP fellow's institution in the United States
- From an administrator at the IRFP fellow's institution
- From the United States' National Science Foundation (NSF) web site, printed publication, or presentation
- From a faculty member (or colleague) at my institution
- From an administrator at my institution
- From a colleague at an institution other than where I work
- Other. Please specify: [Textbox]

B2. Why did you decide to host this IRFP fellow? *Check all that apply*

- I was interested in the project proposed by the Fellow
- I was interested in establishing or maintaining collaboration with a US researcher
- I personally knew, knew of, or previously collaborated with the fellow
- I personally knew, knew of, or previously collaborated with the fellow's advisor
- I personally knew, knew of, or previously collaborated with researchers at the fellow's institution
- I had a positive experience with the program in the past
- I had a positive experience with another international program
- To create an international environment in my research group
- To attract students/postdocs to my research
- To learn new methodologies, approaches, or tools from the fellow
- My research area is particularly suitable for collaboration
- Other: [Textbox]

**Module C: Program Experience**

C1. Who was primarily involved in the following activities related to the research on which you and the IRFP Fellow worked?

	Mostly the fellow independently	Mostly me or members of my group	The fellow and I were equally involved	Not applicable (this activity was not part of the research)
Developing the ideas, hypotheses, broad framework, or vision for the research project				
Researching literature or research base relevant to the project				
Keeping records, tracking supplies, resources,				
Developing instrumentation, software, equipment, or data collection processes				
Collecting data or carrying out simulations				
Analyzing data or observations				
Interpreting results				
Planning or developing follow-up work based on results				
Written, oral dissemination of results (publications, presentations)				

C2. Do you agree or disagree with the following aspects of your participation as host to an IRFP fellow?

	Strongly disagree	Disagree	Agree	Strongly agree	Does not apply
The fellow integrated with staff/members of my research group					
The fellow had sufficient knowledge and expertise to be a full participant in a research collaboration with me					
The amount of time for the fellowship experience was too short					
Language was a barrier to the fellow's ability to interact with me and/or my group					
The fellow was willing to take appropriate risks necessary for research					
The fellow exercised appropriate caution in his/her approach to research					
The fellow spent sufficient time working on the proposed project					
Scientific cultures of our countries are similar, making productive collaboration possible					
Lifestyles and general cultures of our countries are similar, making productive collaboration possible					

C3. How often did you meet with the IRFP fellow during his/her visit to your institution to talk about the project or to discuss other research-related issues? *Mark one answer*

- Daily
- Every other day
- Twice a week
- Once a week
- Every other week
- Once a month
- Less than once a month
- I do not recall
- Other: [Textbox]

## Module D: Program Outcomes and Career Impacts

D1. Which of the following describes the extent of your collaboration with the fellow since the fellowship experience? *Select one response*

- I have not been in touch with the Fellow → GOTO D2
- I have stayed in touch with the Fellow, but have not collaborated on any research project → GOTO D2
- I have collaborated with this Fellow at some point in the past, but not at present →

GOTO D2

- I am currently collaborating with this Fellow → GOTO D1a
- I plan to collaborate with this Fellow → GOTO D2

D1a. What is the nature of this collaboration as of [reference week]? *Check all that apply*

We ...

- Work on projects together
- Share data
- Publish papers together
- Visit each other's institutions to discuss research or to work on projects
- Invite each other to give talks
- Jointly apply for collaborative grants or other funding sources
- Co-mentor graduate students or postdoctoral fellows
- Other: [Textbox]

D2. Are you currently collaborating with the IRFP fellow's faculty advisor?

- Yes
- No

D2a. Are you currently collaborating with other U.S. researchers?

- Yes
- No

D3. Please indicate the number of papers in press or published, which you co-authored with the fellow:

During the IRFP fellow's time at your institution: [Textbox]

Within a year of the fellow's time at your institution: [Textbox]

2-3 years after the fellow's time at your institution: [Textbox]

4-5 years after the fellow's time at your institution: [Textbox]

Total number of papers (in press or published) co-authored with this IRFP fellow as of [reference week] [Textbox]

## Module E: Program Satisfaction

E1. How would you rate your level of satisfaction with this IRFP fellow? *Mark one answer*

- Very satisfied
- Satisfied
- Somewhat satisfied.
- Unsatisfied.

E1a. What did you find most satisfying or unsatisfying? [Textbox]

E2. Which of the following benefits did *you* derive as a host for IRFP fellows? *Check all that apply*

- I established or renewed a collaboration with US researchers
- I and/or researchers in my group published research papers based on the collaborative work with this IRFP Fellow
- I and/or researchers in my group developed a database or a website based on the collaborative work
- I and/or researchers in my group obtained funding based on the collaborative work
- I and/or researchers in my group gave one or more presentations based on the collaborative work
- I and/or researchers in my group learned new techniques or approaches
- I and/or researchers in my group became more familiar with the research enterprise in the United States
- Participation in the program changed the direction of some research projects in my group
- Participating in the program enhanced my interest in collaborating with US researchers

E3. Have any of the following taken place *at your institution* as a result of your participation as host to an IRFP Fellow? *Check all that apply*

- My colleagues increased collaborations with US researchers
- Administration in my department became more supportive of collaboration with US researchers
- Additional policies, procedures, or structures have been put in place at my institution to facilitate foreign collaboration
- Collaborations with US researchers helped attract students and other researchers to my institution
- Other benefits of hosting this IRFP Fellow (please describe any): [textbox]
- None of the above

E4. What were the *best* aspects of your affiliation with this IRFP fellow? [Textbox]

E5. What were the most challenging aspects in your affiliation with this IRFP fellow? [Textbox]

E6. Were there any unexpected outcomes in your affiliation with this IRFP fellow? [Textbox]

E7. Would you recommend or have you recommended to others that they host an IRFP fellow?

*Mark one answer*

- I have recommended the program, or I would recommend the program.  
Why? [Textbox]
- I have not recommended the program, and I would not recommend the program. Why not? [Textbox]
- I am not sure

E8. Please feel free to share any additional thoughts or recommendations about IRFP. [Textbox]

## National Science Foundation

### EAPSI Host Survey

This survey is being conducted by Abt Associates Inc. and our subsidiary, AbtSRBI, for the National Science Foundation (NSF), to learn about the graduate experiences, career choices, and professional activities of individuals who participated in NSF's East Asia and Pacific Summer Institutes (EAPSI) program. You are receiving this survey because you are listed in the EAPSI database as a host of an EAPSI fellow.

#### Confidentiality and Participation

Participation in the survey is voluntary and nonparticipation will have no impact on you or your institution. You may skip questions on the survey or discontinue participation at any time. There are minimal risks associated with your participation. We take your privacy very seriously. Your responses to this survey will be protected under the U.S. Privacy Act. There is minimal risk of breach of confidentiality, and we have put in place procedures to minimize this risk. Reports will never identify you by name, and information from the study will only be reported in the aggregate at the program level, combined with about 500 other responses. When we receive your survey we will detach and store separately your name and other identifying information that could be used to link you to your survey responses. Survey responses will be stored on a secure drive that is only accessible to members on the study team. Only study team web technicians and data analysts from Abt Associates and AbtSRBI will see individual responses that can be linked to you. Survey data files will be shared with NSF at the end of the study, only after study team members have examined the data to be free of any information that could help identify you; this cleaning includes procedures to prevent someone from inferring your identity by analyzing non-identifying data. Hence, we encourage you to respond candidly about your experiences. Separate from your individual responses to the survey we will provide NSF any updated contact information we have found or requested from you. None of this contact information will be linked in any way to your survey responses. At the conclusion of the study, Abt Associates and AbtSRBI will destroy all records, electronic or otherwise, that link you to your survey responses.

#### Completing the Survey

We estimate that it will take approximately 15 minutes to complete the survey. If you have questions about the study, please contact the study director, Alina Martinez of Abt Associates Inc. at (866) 421-6223 (may incur international telephone charges if initiated outside the U.S) or email her at [EAPSI\\_survey@abtassoc.com](mailto:EAPSI_survey@abtassoc.com). You may also contact the evaluation's program officer at NSF, John Tsapogas ([jtsapoga@nsf.gov](mailto:jtsapoga@nsf.gov)). If you have questions about your rights as a research participant, you may contact Teresa Doksum, the Abt Institutional Review Board Administrator at (877) 520-6835 (may incur international telephone charges if initiated outside the U.S) or by email: [irb@abtassoc.com](mailto:irb@abtassoc.com).

To learn more about this study, please refer to the **Frequently Asked Questions** page.

#### Consent

Please continue with the survey if you agree to participate in this study.

This study's IRB approval number is #0494, valid from 8/6/2010 to 8/5/2011. For questions, please contact Teresa Doksum, IRB Administrator, Abt Associates, at [IRB@abtassoc.com](mailto:IRB@abtassoc.com).

The valid OMB control no. for this information collection is **xx-xxxxx**. (Expires on **mm/dd/yyyy**)

**Continue**

## FREQUENTLY ASKED QUESTIONS

- [What is the East Asia and Pacific Summer Institutes \(EAPSI\) Program?](#)
- [Why are you doing this study?](#)
- [Why have I been selected to participate in this survey?](#)
- [How did you get my contact information?](#)
- [How long will this survey take to complete?](#)
- [How will you use my comments?](#)
- [Does this study have human subjects review clearance?](#)
- [Who is funding the study?](#)
- [Who are Abt Associates Inc and AbtSRBI?](#)

### *What is the East Asia and Pacific Summer Institute (EAPSI) Program?*

The East Asia and Pacific Summer Institute (EAPSI) Program is a program in which the National Science Foundation (NSF) and its partners organizations in Australia, China, Japan, Korea, New Zealand, Singapore, and Taiwan cooperate to provide U.S. graduate students an opportunity to spend eight to ten weeks collaborating with a host researcher at a university or research institute in one of these locations. The program matches accomplished researchers in the host location with promising U.S. graduate students to foster international collaboration.

### *Why are you doing this study?*

NSF is interested in learning about the experiences of researchers who have hosted one or more graduate students from the United States as part of the EAPSI program. In particular, NSF would like to understand how host researchers perceive the program and the students they have hosted, and what kinds of benefits and challenges host researchers experienced. The information collected in the study will help NSF make improvements to the program, and understand how best to support and encourage international collaboration.

### *Why have I been selected to participate in this survey?*

You have been selected to participate because we have identified you as having hosted one or more U.S. graduate students participating in the EAPSI program.

### *How did you get my contact information?*

We identified you from records maintained by the National Science Foundation on EAPSI participants and the scientists who hosted them. We then confirmed your contact information through an internet search.

### *How long will this survey take to complete?*

We estimate that the survey will take about 15 minutes.

***How will you use my comments?***

Responses from all survey respondents will be used to answer questions about the experiences of EAPSI host researchers with the program and with the guest students.

***What happens if I don't answer this survey?***

Participation in the survey is voluntary. Abt Associates will not share information with the National Science Foundation or its partner agencies in your location about your decision to participate or not to participate.

***Has this study been reviewed and approved by an institutional review board?***

Yes, the study was also approved by Abt Associates' Institutional Review Board. If you have any concerns about your participation in this survey, please contact Teresa Doksum, Institutional Review Board Administrator at Abt Associates, at (877) 520-6835 or via email at [irb@abtassoc.com](mailto:irb@abtassoc.com). A call to this number may incur international charges.

***Who is funding the study?***

The study has been funded by the National Science Foundation under contract GS-10F-0086K. Abt Associates and AbtSRBI will complete the study.

***Who are Abt Associates Inc and AbtSRBI?***

Abt Associates is an independent research firm headquartered in Cambridge, Massachusetts. AbtSRBI is a wholly-owned subsidiary of Abt Associates specializing in large-scale data collection and public opinion research. NSF has contracted with Abt Associates and AbtSRBI to design and implement a survey of researchers who hosted a U.S. graduate student participating in NSF's EAPSI program.

**[Note for reviewers: This survey will be programmed for on-line administration. The formatting of items may appear differently on-line.]**

Notes in brown are for programming purposes.

Some questions will be received by specific groups of individuals only. These skip patterns are indicated throughout the survey. For the paper version, we have included these skip patterns in text. These will be programmed into the online version.

There are places throughout the survey where Institution, year, name etc. will be filled into the question or instruction text using a sample file.

## EAPSI Host Survey

We now would like to ask you about your experiences with the program. Please respond to the best of your recollection.

### Module A: Basic Information and Pre-Award Characteristics

- A1. Based on the NSF EAPSI database, your name is [First Name, Middle Name/initial, Last Name]. Is this information correct? *Mark one answer*
- Yes, the name is correct.
  - No, my name has changed or is misspelled above. My name is: [Textbox]
  - No, I am not the person named above. I believe you have reached me by mistake.
- A2. Based on the NSF EAPSI database, you have hosted an EAPSI Fellow named [Fellow name]. Is this information correct? *Mark one answer*
- Yes, the Fellow's name is correct.
  - No, the Fellow's name is incorrect. The correct name is: [Textbox]
  - I never participated in the EAPSI program. **EXIT SURVEY.**
- A3. Based on the NSF EAPSI program files, you hosted [Fellow name] in the summer of [Year of EAPSI experience]. Is this information correct? *Mark one answer*
- Yes, the year is correct.
  - No, the year is incorrect. The correct year is: [Textbox]
- A4. Based on the NSF EAPSI program files, you hosted [Fellow name] at [Name of institution]. Is this information correct? *Mark one answer*
- Yes, the institution is correct.
  - No, the institution is incorrect. The correct institution is: [Textbox]
- A5. Before hosting [Fellow Name] in [Year of EAPSI experience], had you ever before hosted a visiting graduate student from the United States?
- Yes, I had hosted another EAPSI Fellow or other EAPSI Fellows previously
  - Yes, but the individual(s) was not sponsored by the EAPSI program
  - No, I had never before hosted visiting graduate students from the United States

*The remaining items on this survey refer to the EAPSI Fellow named above [Fellow name] and (or) to the summer during which you hosted this individual at your institution [Year of EAPSI experience]. If you have hosted more than one EAPSI Fellow, please answer items on this survey with respect to [Fellow name], who you hosted beginning in [Year of EAPSI experience].*

- A6. As of [reference week] are you working at [Name of institution], the institution where you worked when you hosted this EAPSI Fellow
- Yes, I currently work at this same institution
  - No, I no longer work there. I am now working at (please tell us the name of your current employer, university, or company: [Textbox])

A7. At the time of this EAPSI Fellow's participation, approximately, what percentage of your research group were from foreign countries? *Mark one answer*

- I cannot recall
- 0-25%
- 26-50%
- 51-75%
- ≥ 76%
- Not applicable, I do not work in a group

A8. As of [reference week], approximately what percentage of your research group is from foreign countries? *Mark one answer*

- 0-10%
- 10-25%
- 25-50%
- 50-75%
- >75%
- Not applicable, I do not work in a group

A8a. Have you increased your collaboration with U.S. researchers as a result of your participation in EAPSI?

- Yes
- No

A9. Prior to your participation in EAPSI, had you visited the United States for training or other professional purposes? *Check all that apply*

- Yes, I was an undergraduate student in the United States
- Yes, I was a graduate student in the United States
- Yes, I was a postdoctoral fellow in the United States
- Yes, I was a visiting scientist in the United States
- Yes, I was a faculty member in the United States
- Yes, I came to the United States for a conference, a workshop, or a meeting
- Other. Please specify: [Textbox]
- No, I have not visited the United States for any professional purposes

A10. Did you know [Fellow name] or one of his/her colleagues before your hosted this EAPSI fellow?

- Yes
- No

A11. Which of the following characterizes your department (or research unit within your institute)? *Check all that apply.*

- My department (or research unit) encourages international collaborations
- Faculty (or employees) in my department (or research unit) are rewarded for developing international research partnerships
- My department (or research unit) provides financial support to faculty (or employees) pursuing international collaborations
- My department (or research unit) promotes (that is, advertises) fellowships and other opportunities for researchers in my country to conduct research in another country
- My department (or research unit) hosts foreign researchers visiting my institution for research-related purposes
- None of the above

### Module B: Participation Decision and Goals

B1. How did you first learn about the EAPSI program? Mark one answer

- From the EAPSI Fellow I hosted
- From the EAPSI Fellow's U.S. faculty advisor
- From another faculty member at the EAPSI Fellow's institution
- From an administrator at the EAPSI Fellow's institution
- From a previous EAPSI participant
- From the United States' National Science Foundation (NSF) web site, printed publication, or presentation
- From a faculty member or colleague at my institution
- From an administrator at my institution
- From the partner organization in my country
- From a colleague at an institution other than where I work
- Other. Please specify: [Textbox]

B2. Why did you decide to host this EAPSI fellow? Check all that apply

- I was interested in the project proposed by the Fellow
- I was interested in establishing or maintaining collaboration with a US researcher
- I personally knew, knew of, or previously collaborated with the Fellow
- I personally knew, knew of, or previously collaborated with the Fellow's advisor
- I personally knew, knew of, or previously collaborated with researchers at the Fellow's institution
- I had a positive experience with the program in the past
- I had a positive experience with another international program
- Hosting a US scientist is considered prestigious in my country
- To improve the status of my department and/or institution
- To create an international environment in my research group
- To attract students/postdocs to my research
- To learn new methodologies, approaches, or tools from the Fellow
- My research area is particularly suitable for collaboration
- Other: [Textbox]

**Module C: Application Process**

C1. How would you characterize the ease or difficulty of the following aspects of *arranging* the Fellow's visit?

	Easy	Somewhat difficult	Difficult	Not applicable (I did not provide this or make these arrangements for the Fellow)
Providing supporting materials for the application				
Providing assistance with obtaining a visa				
Arranging the Fellow's lodging				
Arranging the Fellow's office space				
Arranging the Fellow's access to buildings or to other institutional facilities				
Finding an appropriate research project				

C1a. Please elaborate on any of the above or on any other challenging aspects of arranging the student's visit. [Textbox]

**Module D: Program Experience**

C1. At the time when the EAPSI Fellow was at your institution [year of EAPSI fellowship], what was the size of your research group?

- <5
- 6-10
- 11-20
- >20
- I do not remember

C2. How often did you meet with the EAPSI Fellow during his/her visit to your institution to talk about the project or to discuss other research-related issues? Mark one answer

- Daily
- Every other day
- Twice a week
- Once a week
- Every other week
- Once a month
- Less than once a month
- I do not recall
- Other: [Textbox]

C3. Who was primarily involved in the following activities the research on which you and the EAPSI Fellow worked?

	Mostly the Fellow (or the Fellow and his/her U.S. advisor) independently	Mostly me or members of my group	The Fellow and I were equally involved	Not applicable (this activity was not part of the research)
Developing the ideas, hypotheses, broad framework, or vision for the research project				
Researching literature or research base relevant to the project				
Keeping records, tracking supplies, resources,				
Developing instrumentation, software, equipment, or data collection processes				
Collecting data or carrying out simulations				
Analyzing data or observations				
Interpreting results				
Planning or developing follow-up work based on results				
Written, oral dissemination of results (publications, presentations)				

C4. Do you agree or disagree with the following aspects of your participation as host to an EAPSI Fellow?

	Strongly disagree	Disagree	Agree	Strongly agree	Does not apply
The Fellow integrated with staff/members of my research group					
The Fellow had sufficient knowledge and expertise to be a full participant in a research collaboration with me					
The amount of time for the fellowship experience was too short					
The timing of the fellowship (that is, over the summer) was inconvenient					
Language was a barrier to the Fellow's ability to interact with me and/or my group					
The Fellow was willing to take appropriate risks necessary for research					
The Fellow exercised appropriate caution in his/her approach to research					
The Fellow was hard-working and dedicated					

C5. How would you rate your level of satisfaction with this EAPSI fellow? *Mark one answer*

- Very satisfied
- Satisfied
- Somewhat satisfied.
- Unsatisfied.

D5a. What did you find most satisfying or unsatisfying? [Textbox]

C6. Which of the following is true about you and the EAPSI Fellow [Name of EAPSI Fellow]?

*Check all that apply*

- Our research interests were well-matched
- Our work styles were well-matched
- Our goals and expectations for the experience were similar

#### **Module D: Program Outcomes and Career Impacts**

D1. Which of the following describes the extent of your collaboration with the Fellow since the fellowship experience? *Select one response*

- I have not been in touch with the Fellow →Go to D2
- I have stayed in touch with the Fellow, but have not collaborated on any research project →Go to D2
- I have collaborated with the Fellow at some point in the past, but not at present →Go to D2
- I am currently collaborating with the Fellow → GOTO D1a
- I plan to collaborate with the Fellow →Go to D2

D1a. What is the nature of your collaboration as of [the reference week]?

Check all that apply. We ...

- Work on projects together
- Share data
- Publish papers together
- Visit each other's institutions to discuss research or to work on projects
- Invite each other to give talks
- Jointly apply for collaborative grants or other funding sources
- Co-mentor graduate students or postdoctoral fellows
- Other: [Textbox]

D2. Are you currently collaborating with this EAPSI fellow's faculty advisor?

- Yes → GO TO D2b
- No → GO TO D2a
- I'm not sure if my collaborating partner is the EAPSI fellow's advisor → GO TO E2a

D2a. Are you currently collaborating with other U.S. researchers?

- Yes → GO TO D2b
- No → GO TO D3
- I'm not sure → GO TO D2b

D2b. What is the nature of this collaboration as of [reference week]? Check all that apply

We ...

- Work on projects together
- Share data
- Publish papers together
- Visit each other's institutions to discuss research or to work on projects
- Invite each other to give talks
- Jointly apply for collaborative grants or other funding sources
- Co-mentor graduate students or postdoctoral fellows
- Other: [Textbox]

D3. Please indicate the number of papers in press or published, which you co-authored with the Fellow [Name of EAPSI Fellow]: Enter 0 if you did not co-author papers (in press or published) with this Fellow.

During this Fellow's time at your institution (summer of [YEAR of EAPSI]) [Textbox]

Within a year of this Fellow's time at your institution [Textbox]

2-3 years after summer of [YEAR of EAPSI] [Textbox]

4-5 years after summer of [YEAR of EAPSI] [Textbox]

Total number of papers (in press or published) co-authored with this EAPSI Fellow as of [the reference week] [Textbox]

## Module E: Program Satisfaction

E1. How would you rate your level of satisfaction with the EAPSI experience? *Mark one answer*

- Very satisfied
- Satisfied
- Somewhat satisfied. Why? [Textbox]
- Unsatisfied. Why? [Textbox]

E1a. Please elaborate [Textbox]

E2. Which of the following benefits did you derive as a result of your participation in the EAPSI program? *Check all that apply*

- I established or renewed a collaboration with a US researcher
- I and/or researchers in my group published research papers based on the collaborative work **with this EAPSI Fellow**
- I and/or researchers in my group developed a database or a website based on the collaborative work
- I and/or researchers in my group obtained funding based on the collaborative work
- I and/or researchers in my group gave one or more presentations based on the collaborative work
- I and/or researchers in my group learned new techniques or approaches
- I and/or researchers in my group obtained access to resources not easily available at my institution or country
- I and/or researchers in my group became more familiar with the research enterprise in the United States
- Participation in the program changed the direction of some research projects in my group
- Participating in the program helped advance my career
- Participating in the program enhanced my interest in collaborating with US researchers
- Participating in the program helped me recruit students
- I became friends with the Fellow
- Hosting an EAPSI Fellow (or several EAPSI Fellows) enhanced the recognition of my work by peers
- I improved my English language skills

E3. What were the best aspects of your experience with the EAPSI program? [Textbox]

E4. Can you provide any examples of how participating in the EAPSI program affected your institution? [Textbox]

E5. What were the most challenging aspects of your experience with the EAPSI program? [Textbox]

E6. Were there any unexpected outcomes of your participation in the EAPSI experience? [Textbox]

E7. Would you recommend or have you recommended to others that they host EAPSI fellows?

*Mark one answer*

- I have recommended the program, or I would recommend the program.  
Why? [Textbox]
- I have not recommended the program, and I would not recommend the program. Why not? [Textbox]
- I am not sure

E8. Please feel free to share any additional thoughts or recommendations about EAPSI.

[Textbox]

**National Science Foundation**  
**EAPSI Advisor Survey**

This survey is being conducted by Abt Associates Inc. and our subsidiary, AbtSRBI, for the National Science Foundation (NSF), to learn about the graduate experiences, career choices, and professional activities of individuals who participated in NSF's East Asia and Pacific Summer Institutes (EAPSI) program. You are receiving this survey because you are listed in the EAPSI database as the advisor of an EAPSI fellow.

**Confidentiality and Participation**

Participation in the survey is voluntary and nonparticipation will have no impact on you or your institution. You may skip questions on the survey or discontinue participation at any time. There are minimal risks associated with your participation. We take your privacy very seriously. Your responses to this survey will be protected under the Privacy Act. There is minimal risk of breach of confidentiality, and we have put in place procedures to minimize this risk. Reports will never identify you by name, and information from the study will only be reported in the aggregate at the program level, combined with about approximately 500 other responses. When we receive your survey we will detach and store separately your name and other identifying information that could be used to link you to your survey responses. Survey responses will be stored on a secure drive that is only accessible to members on the study team. Only study team web technicians and data analysts from Abt Associates and AbtSRBI will see individual responses that can be linked to you. Survey data files will be shared with NSF at the end of the study, only after study team members have examined the data to be free of any information that could help identify you; this cleaning includes procedures to prevent someone from inferring your identity by analyzing non-identifying data. Hence, we encourage you to respond candidly about your experiences. Separate from your individual responses to the survey we will provide NSF any updated contact information we have found or requested from you. None of this contact information will be linked in any way to your survey responses. At the conclusion of the study, Abt Associates and AbtSRBI will destroy all records, electronic or otherwise, that link you to your survey responses.

**Completing the Survey**

We estimate that it will take approximately 15 minutes to complete the survey. If you have questions about the study, please contact the study director, Alina Martinez of Abt Associates Inc. at (866) 421-6223 (toll free within the U.S.) or email her at EAPSI\_survey@abtassoc.com. You may also contact the evaluation's program officer at NSF, John Tsapogas (jtsapoga@nsf.gov). If you have questions about your rights as a research participant, you may contact Teresa Doksum, the Abt Institutional Review Board Administrator at (877) 520-6835 (toll free within the U.S.) or by email: irb@abtassoc.com.

To learn more about this study, please refer to the **Frequently Asked Questions** page.

**Consent**

Please continue with the survey if you agree to participate in this study.

This study's IRB approval number is #0494, valid from 8/6/2010 to 8/5/2011. For questions, please contact Teresa Doksum, IRB Administrator, Abt Associates, at IRB@abtassoc.com.

The valid OMB control no. for this information collection is xx-xxxxx. (Expires on mm/dd/yyyy)

**Continue**

**[Note for reviewers: This survey will be programmed for on-line administration. The formatting of items may appear differently on-line.]**

**[Note for reviewers: This survey will be programmed for on-line administration. The formatting of items may appear differently on-line.]**

Notes in brown are for programming purposes.

Some questions will be received by specific groups of individuals only. These skip patterns are indicated throughout the survey. For the paper version, we have included these skip patterns in text. These will be programmed into the online version.

There are places throughout the survey where Institution, year, name etc. will be filled into the question or instruction text using a sample file.

## FREQUENTLY ASKED QUESTIONS

- [What is the East Asia and Pacific Summer Institutes \(EAPSI\) Program?](#)
- [Why are you doing this study?](#)
- [Why have I been selected to participate in this survey?](#)
- [How did you get my contact information?](#)
- [How long will this survey take to complete?](#)
- [How will you use my comments?](#)
- [Does this study have human subjects review clearance?](#)
- [Who is funding the study?](#)
- [Who are Abt Associates Inc and AbtSRBI?](#)

### *What is the East Asia and Pacific Summer Institute (EAPSI) Program?*

The East Asia and Pacific Summer Institute (EAPSI) Program is a National Science Foundation (NSF) program that provides funding for U.S. graduate students to spend eight to ten weeks collaborating with a host researcher in one of seven locations in the East Asia and Pacific region: Australia, China, Japan, Korea, New Zealand, Singapore, and Taiwan.

### *Why are you doing this study?*

NSF is interested in learning about the characteristics of current and former graduate students who participated in the EAPSI program between 1999 and 2009. NSF is particularly interested in how the graduate advisors of EAPSI Fellows' view the program and its benefits (or costs) to graduate students' subsequent educational and career paths. This information will help NSF understand the usefulness and relevance of international research training for scientists and engineers.

### *Why have I been selected to participate in this survey?*

You have been selected to participate because we have identified you as having served as graduate advisor to a former EAPSI fellow.

### *How did you get my contact information?*

We identified you from records maintained by the National Science Foundation on prior EAPSI Fellows' applications. We then obtained your contact information through an internet search.

### *How long will this survey take to complete?*

We estimate that the survey will take about 15 minutes.

### *How will you use my comments?*

Responses from all survey respondents will be used to answer questions about the graduate training, international experiences, and career paths of former EAPSI Fellows.

***What happens if I don't answer this survey?***

Participation in the survey is voluntary and nonparticipation will have no impact on you or your institution. Study participation will not affect your current NSF funding or future applications to NSF for funding/grants.

***Has this study been reviewed and approved by an institutional review board?***

Yes, the study was approved by Abt Associates' Institutional Review Board. If you have any concerns about your participation in this survey, please contact Teresa Doksum, Institutional Review Board Administrator at Abt Associates, at (877) 520-6835 or via email at [irb@abtassoc.com](mailto:irb@abtassoc.com).

***Who is funding the study?***

The study has been funded by the National Science Foundation under contract GS-10F-0086K. Abt Associates and AbtSRBI will complete the study.

***Who are Abt Associates Inc and AbtSRBI?***

Abt Associates is an independent research firm headquartered in Cambridge, Massachusetts. AbtSRBI is a wholly-owned subsidiary of Abt Associates specializing in large-scale data collection and public opinion research. NSF has contracted with Abt Associates and AbtSRBI to design and implement a survey of the graduate advisors of former participants in NSF's EAPSI program.

## EAPSI US Advisor Survey

### Module A: Basic Information

*Before we begin the survey, please confirm the following information*

A1a. Based on the information provided in the EAPSI application, your name is [First Name, Middle Name/Initial, Last Name]. Is this information correct? *Mark one answer*

- Yes, the name is correct.
- No, my name has changed or is misspelled above. My name is: [Textbox]
- No, I am not the person named above. I believe you have reached me by mistake.

A1b. Based on the information provided in the EAPSI application, you were the faculty advisor of EAPSI Fellow, [Fellow name]. Is this information correct? *Mark one answer*

- Yes, the Fellow's name is correct.
- No, the Fellow's name is incorrect. The correct name is: [Textbox]
- I have never had a student in the EAPSI program. **EXIT SURVEY.**

A1c. Based on the NSF EAPSI program records, your student, [Fellow name], participated in the EAPSI program in the summer of [Year of EAPSI experience]. Is this information correct? *Mark one answer*

- Yes, the year is correct.
- No, the year is incorrect. The correct year is: [Textbox]
- I don't know or I do not recall

A1d. Based on the NSF EAPSI program records, your student, [Fellow name], participated in the EAPSI program in [name of EAPSI country]. Is this information correct? *Mark one answer*

- Yes, the country is correct.
- No, the country is incorrect. The correct country is: [Textbox]
- I don't know or I don't recall

A1e. Based on the NSF EAPSI program records, your student, [Fellow name], participated in the EAPSI program at [name of institution]. Is this information correct? *Mark one answer*

- Yes, the institution is correct.
- No, the institution is incorrect. The correct institution is: [Textbox]
- I don't know or I don't recall

A1f. Based on the information provided in the EAPSI application, your title at the time of [Fellow name]'s EAPSI experience was [Title]. Is this information correct? *Mark one answer*

- No, the title is incorrect. My correct title at the time was: [Textbox]
- Yes, the title is correct.

A1g. What is your current title?

- Unchanged
- My current title is: [Textbox]

A2. Which of the following is true? *Check all that apply*

- I was a student, a postdoc, a faculty member, or a visiting scientist in the research group or institution which hosted the Fellow
- I was a student, a postdoc, a faculty member, or a visiting scientist in the country which hosted the Fellow
- I was a student, a postdoc, a faculty member, or a visiting scientist in a different foreign country
- I had a collaboration with the faculty member (or researcher) who hosted my student
- I had a collaboration with another faculty member (or researcher) at the host institution
- I had another connection to the institution or the country which hosted the Fellow.  
Please specify: [Textbox]

A3. Which of the following characterizes your department? *Check all that apply.*

- My department encourages international collaborations
- Faculty are rewarded for developing international research partnerships
- My department provides financial support to faculty pursuing international collaborations
- My department promotes (i.e., advertises) fellowships for graduate students or postdocs to conduct research in a foreign country
- My department hosts foreign post-docs and faculty visiting my institution for research-related purposes

**Module B: Role of Department/Institution in the application to the EAPSI Program**

We now would like to ask you about your experiences with the program. Please respond to the best of your recollection.

B1. Before your student's application for EAPSI, were you familiar with the EAPSI program?

- Yes
- No
- Cannot recall

B2. At the time of application, did your institution do any of the following to publicize the EAPSI program to graduate students? *Check one response for each row*

	YES	NO	DO NOT RECALL
Providing application information about EAPSI in departmental newsletters, emails, listservs			
Posting EAPSI information and application deadlines on departmental bulletin boards			
Maintaining current EAPSI program information at the student career center			
Holding meetings about EAPSI as an international research opportunity			
Hosting former EAPSI fellows to present their EAPSI experiences to other graduate students			
Other. Please specify: [Textbox]			

B3. At the time of application, what types of support has your department and/or institution provided to graduate students for the EAPSI application process? *Check one response for each row*

	YES	NO	DO NOT RECALL
Locating an appropriate host institution			
Contacting the host institution			
Application editing or submission			
Other. Please specify: [Textbox]			
I do not know			

**Module C: Advisor Support for EAPSI Applicant**

C1. Did you encourage the Fellow to apply to the EAPSI program?

- Yes [Please skip to question C2]
- No [Please skip to question C4]

C2. What were the reasons you encouraged the Fellow to apply to the EAPSI program? *Check all that apply*

- My own positive experiences collaborating internationally
- The importance of international perspective
- To help the Fellow's future academic or professional career
- To create more US – international collaborations among researchers
- Other. Please specify: [Textbox]

C3. In your view, did the Fellow achieve the following goals? *Check one response for each row*

	Not at all	Somewhat	Completely	Exceeded my expectations	I cannot recall
To establish or maintain a collaboration with an international researcher					
To advance his/her research agenda					
To be exposed to another country's research enterprise					
To learn a technique or an approach from the host scientist					
To bring back samples or other resources					
To become familiar with the research enterprise in another country					
To become familiar with the culture and traditions of another country					
Other: [Textbox]					

C4. What aspects of the application process were you involved in? *Check all that apply*

- I suggested a host institution to the applicant
- I recommended the applicant to the host or to someone else at the host's institution
- I worked with the applicant to develop a research project
- I provided feedback on the applicant's proposal
- I provided feedback on the applicant's biographical sketch
- I discussed cultural and language aspects of the host country with the applicant
- Other. Please specify: [Textbox]
- None of the above

#### **Module D: Participation in the program**

D1. While the Fellow was at the host institution, did you provide any of the following ongoing support? *Check all that apply*

- I provided academic support (scientific advice, academic planning) to the Fellow
- I worked with the applicant to develop a publication based on research conducted at the host institution
- I facilitated the applicant's research through my contacts with the host institution
- I visited the Fellow at the host institution
- I provided cultural or language support to the Fellow
- Other: [Textbox]

#### **Module E: Benefits to the Fellow's career and to the Advisor**

E1. Upon the Fellow's return, which of the following was true? *Check all the apply*

- I assisted the Fellow in preparing a presentation and/or publication on research conducted at the host institution
- I mentored the Fellow on how to integrate the research conducted at the host institution into their research conducted in the U.S.
- I mentored the Fellow to continue work on the EAPSI project
- I provided or helped the Fellow obtain financial support to continue work on the EAPSI project
- I provided guidance on how to maintain the Fellow's professional contacts developed at the host institution
- I helped the Fellow to pursue further international research opportunities
- Other: [Textbox]

E2. Which of the following benefits did you and your group derive as a result of the EAPSI fellowship? *Check all that apply.*

- The Fellow introduced new knowledge, approaches, and/or technical skills to my group
- The Fellow brought back samples or other materials unavailable or not easily accessible outside of the host institution or country
- The Fellow's experience broadened our understanding of research enterprise in the foreign country
- The Fellow helped establish or maintain an important collaboration
- The Fellow made my group and research better known abroad
- The Fellow's experience changed the direction of our research or added a new dimension to our research
- We published papers which resulted from the Fellow's participation in EAPSI
- Other. Please specify. [Textbox]

E3. Please give one example of the most important benefit to you personally or to your research group members that resulted from the EAPSI fellowship. [Textbox]

E4. Were there any of the following negative effects on the Fellow as a result of his/her EAPSI program participation? *Check all that apply*

- The Fellow's degree completion was delayed
- The Fellow became distracted from his/her research project
- There was tension between the Fellow and the others members of my group due to his/her participation in the EAPSI program
- Participation in the program created or deepened competition between my group and the host group
- Methods or ideas that the Fellow brought back to my group were inadequate or erroneous and derailed research progress
- Other. Please specify. [Textbox]

## Module F: Benefit of EAPSI to the US department

F1. Have any of the following taken place at your department as a result of the fellows' participation in EAPSI? *Check all that apply*

- Students* in my department became more interested in collaboration with international researchers
- Faculty* in my department became more interested in collaboration with international researchers
- Students* in my department have begun collaborating with international researchers
- Faculty* in my department have begun collaborating with international researchers
- Administration in my department became more supportive of collaboration with international researchers
- Additional policies, procedures, or structures have been put in place at my department to facilitate international collaboration
- Collaborations with international researchers have raised the prestige of my department
- Collaborations with international researchers have helped attract students and other researchers to my department
- Collaborations with international researchers have helped bring funds to my department
- None of the above

F2. Feel free to elaborate on any of the above and/or to provide additional examples of how the fellows' participation in the EAPSI program affected your department. [Textbox]

F3. Do you think there have been any advantages for your department to have students from the department participate in the EAPSI program?

- Yes. Please specify. [Textbox]
- No. Please specify. [Textbox]

**Module G: US Advisor and Institution's Current Relationship with Foreign Institutions**

G1. Do you currently collaborate with international researchers?

- Yes → GOTO G1a.
- No → GOTO G2

G1a. Who are these collaborators?

- EAPSI fellow's host
- Other researcher(s) in the host country.
- Researcher(s) in other foreign country(ies).

G1b. What is the nature of your international collaborations? *Check all that apply*

	With the Fellow's host	With another researcher in the host country	With a researcher in another foreign country
Co-author papers			
Co-author patent/license applications			
Co-sponsor professional conferences			
Share data or information			
Collaborate on a research project			
Talk about research projects			
Other. Please specify: [Textbox]			

G2. Which of the following are true?

- I visited the host at the host's foreign facility
- The EAPSI host visited me in the US
- A member of the EAPSI host's group visited me in the US or joined my group
- A foreign researcher connected to the EAPSI host, but not in the EAPSI host's group visited me in the US or joined my group
- A foreign researcher connected to the EAPSI host visited or joined another group in my department
- Because of the EAPSI program, I expanded my network of international collaborations in some other way. Please describe [textbox].

G3. Please estimate the number of collaborations that currently exist between the members of your research group (including yourself) and researchers in other countries:

- 0
- 1-5
- 6-10
- >10

G3a. What is the size of your research group including yourself? [Textbox]

G4. Have other members of your group participated in international research programs?

- Yes
- No

#### Module H: Program Satisfaction

H1. Was the duration of the program appropriate?

- Yes
- No. Please elaborate [textbox]

H2. Was the timing of the program appropriate (during the summer)?

- Yes
- No. Please elaborate [textbox]

H3. Would you recommend or have you recommended the EAPSI program to other students?

*Mark one answer*

- I have/would recommend the program. Why? [Textbox]
- I have not/would not recommend the program. Why not? [Textbox]
- I am not sure

H4. Has the EAPSI experience made you more or less likely to get involved in international collaboration? *Mark one answer*

- I am more likely to get involved in an international research collaboration
- I am less likely to get involved in an international research collaboration
- The EAPSI experience has not affected my likelihood to get involved in an international research collaboration

H5. Please feel free to share any thoughts or recommendations about EAPSI. [Textbox]

## Interview Guide for EAPSI Program Manager in Foreign Location

*Thank you for participating in this study. As the representative of [FILL IN NAME OF FOREIGN PARTNER ORGANIZATION], we are interested in your perspectives on the EAPSI fellowship program, and any feedback you might provide to help improve the program.*

- How long have you been working for [NAME OF PARTNER ORGANIZATION]?
- How long you have been working with the EAPSI program?
- What are your responsibilities for the EAPSI program?

*General questions about the EAPSI program*

- How are responsibilities for running the program divided between your office and the host universities/institutions?
- What supports do you provide to the fellows and hosts in terms of resources, equipment, language training?
- How are host institutions and faculty members approved to participate in the EAPSI program?

*NSF's role in the EAPSI program*

- What kinds of communication do you have with NSF and how often? Is the amount of communication with NSF enough for you to implement the EAPSI program? Does NSF share enough information with you and in a timely manner?
- How satisfied are you with the support you have from NSF?
- In what ways could NSF facilitate your country's or your organization's participation in the EAPSI program?

*EAPSI program goals and expectations*

- What are your expectations (goals) of the EAPSI program for your country?
- Since you have been involved in the EAPSI program, to what extent has it met these expectations?
- One of the goals of the EAPSI program is to increase collaborations between US scientists and foreign scientists? How well do you think the program is accomplishing this goal?
- How does participating in the EAPSI program benefit your country? Are there benefits for the hosts? For the Fellows?

*Challenges that might have arise with the EAPSI program*

- Are there any specific examples of challenging aspects of participation in the EAPSI program that stand out in your mind? *Are there any difficulties or concerns that arise during the process of matching EAPSI fellows and hosts, during fellowships.*
- Are there any difficulties or concerns that host scientists express about participating in the program? Can you think of ways these might be addressed?
- Are there any difficulties or concerns that Fellows express about participating in the program? Can you think of ways these might be addressed?

#### *Evaluation or Survey of EAPSI Program*

*Have you conducted an evaluation or survey of your role in the EAPSI program?  
Did you use any results from these efforts to make improvements to the program?  
Can you share with us any of your results (publications, reports, etc.)?*

#### *Closing*

- What suggestions would you have for improving the EAPSI program?
- Are there aspects of the program that you would keep the same?
- Is there anything else you think it would be helpful for us to know about for our evaluation of the program?

## Interview Guide for EAPSI Agency Official in Foreign Location

*Thank you for participating in this study. As the representative of [FILL IN NAME OF FOREIGN PARTNER ORGANIZATION], we are interested in your perspectives on the EAPSI fellowship program, and any feedback you might provide to help improve the program.*

- How long have you been working for [PARTNER ORGANIZATION]?
- Do you work directly with the EAPSI program? If so, in what role?

*NSF's role in the EAPSI program.*

- For the NSF, one of the goals of the EAPSI program is to increase US researchers' interest in forming and sustaining international collaborations, such as collaborations with scientists in [COUNTRY]. In your experience, how well do you think the program accomplishes this goal?
- In what ways could NSF facilitate your country's or your organization's participation in the EAPSI program?
- Are there any changes you would like to see the U.S. National Science Foundation – the EAPSI program sponsor in the U.S. – make to the program?

*Country's participation in the EAPSI program.*

- Does [NAME OF COUNTRY] participate in programs for visiting graduate students from countries besides the United States? Which country/ies? How is this program similar to and different from EAPSI?
- [COUNTRY] has been involved in the EAPSI program since [YEAR]: Why did your country initially decide to become involved in the EAPSI program? [If more than 2 years ask:] Are the reasons for continuing to participate in EAPSI different from the initial motivation to participate?
- What are the goals of your participation in EAPSI? Are these goals being met? What would you like to see change so that these goals could be better met?
- How does the EAPSI program fit into the mission of your agency? Into the scientific research agenda in your country?
- From your perspective, what is the *value-added* (e.g., in terms of resources, expansion of expertise, reputation) of the EAPSI program for the following participants:
  - your country;
  - your organization;
  - the host institutions;
  - the host scientists?
- Are there challenges or unexpected outcomes to participating in the EAPSI program for the following participants:
  - your country;

- your organization;
- the host institutions;
- the host scientists;

*Evaluation or Survey of EAPSI Program*

*Have you conducted an evaluation or survey of your role in the EAPSI program?*

*Did you use any results from these efforts to make improvements to the program?*

*Can you share with us any of your results (publications, reports, etc.)?*

*Closing*

- Is there anything else you think it would be helpful for us to know about for our evaluation of the program?

*Thank you for taking time out of your day to discuss your experiences with the EAPSI program with me. If you have any questions or concerns that occur to you later on, please feel free to contact me by email at [give email address]. If you would prefer to talk to someone at NSF, you may contact [NSF OFFICIAL] at [NSF OFFICIAL CONTACT INFORMATION].*