Postdocs at Federally Funded R&D Centers: Fall 2013

Detailed Statistical Tables | NSF 15-312 | February 2015

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General Notes

These data were compiled from the National Science Foundation (NSF) Survey of Postdocs at Federally Funded Research and Development Centers, Fall 2013. The survey collects aggregate counts of postdoctoral researcher (postdocs) at each FFRDC according to the postdoc's source of financial support, citizenship, sex, ethnicity, race, and field of research. The FFRDC Postdoc Survey began in 2005 and is administered in conjunction with the Survey on Graduate Students and Postdoctorates in Science and Engineering (GSS).

For data on research and development expenditures at FFRDCs, see the R&D Expenditures at FFRDCs report series at http://www.nsf.gov/statistics/ffrdc/. For data on federal R&D obligations and funding to FFRDCs, see the Federal Funds for R&D report series at http://www.nsf.gov/statistics/fedfunds/. The most recent Master Government List of Federally Funded R&D Centers can be found at http://www.nsf.gov/statistics/ffrdclist/.

Data Tables

Postdocs at federally funded research and development centers (FFRDCs)

1 total, by FFRDC: 2012–13
2 citizenship, ethnicity, and race, by sex: 2012–13
3 sex, citizenship, ethnicity, and race, by FFRDC type: 2012–13
4 source of support and citizenship, by FFRDC type: 2012–13
5 field of research, by FFRDC type: 2012–13
6 field of research, by citizenship: 2012–13
7 sex, citizenship, ethnicity, race, and source of support: 2005–07, 2009–10, 2012–13

TABLE 1. Postdocs at federally funded research and development centers: 2012–13

FFRDCs	2012	2013
All postdocs	2,793	2,613
University-administered FFRDCs	1,248	1,204
Ames Laboratory	51	42
Argonne National Laboratory	301	279
Fermi National Accelerator Laboratory	54	55
Jet Propulsion Laboratory	115	159
Lawrence Berkeley National Laboratory	516	475
National Center for Atmospheric Research	40	37
National Optical Astronomy Observatory	13	11
National Radio Astronomy Observatory	21	21
Princeton Plasma Physics Laboratory	18	15
SLAC National Accelerator Laboratory	44	41
Thomas Jefferson National Accelerator Facility	75	69
Nonprofit-administered FFRDCs	681	653
Brookhaven National Laboratory	181	151
National Renewable Energy Laboratory	70	71
Oak Ridge National Laboratory	237	236
Pacific Northwest National Laboratory	193	195
Industry-administered FFRDCs	864	756
Frederick National Laboratory for Cancer Research	25	18
Idaho National Laboratory	10	8
Lawrence Livermore National Laboratory	191	152
Los Alamos National Laboratory	439	397
Sandia National Laboratories	189	175
Savannah River National Laboratory	10	6

FFRDC = federally funded research and development center.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Postdocs at Federally Funded Research and Development Centers.

TABLE 2. Citizenship, ethnicity, and race of postdocs at federally funded research and development centers, by sex: 2012–13

Citizenship, ethnicity, and race	2012			2013		
	Total	Male	Female	Total	Male	Female
All postdocs	2,793	2,115	678	2,613	2,020	593
U.S. citizens and permanent residents[a]	1,156	866	290	1,150	867	283
Hispanic or Latino	54	36	18	52	36	16
Not Hispanic or Latino	1,045	785	260	1,065	803	262
American Indian or Alaska Native	4	3	1	3	2	1
Asian	137	86	51	171	125	46
Black or African American	14	11	3	14	9	5
Native Hawaiian or Other Pacific Islander	3	1	2	2	2	0
White	853	664	189	861	659	202
More than one race	34	20	14	14	6	8
Unknown ethnicity or race	57	45	12	33	28	5
Temporary visa holders	1,637	1,249	388	1,463	1,153	310

[a] Ethnicity and race data available only for U.S. citizens and permanent residents.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Postdocs at Federally Funded Research and Development Centers.

TABLE 3. Sex, citizenship, ethnicity, and race of postdocs at federally funded research and development centers, by FFRDC type: 2012–13

Sex, citizenship, ethnicity, and race	2012 Total	2012 University administered	2012 Nonprofit administered	2012 Industry administered	2013 Total	2013 University administered	2013 Nonprofit administered	2013 Industry administered
All postdocs	2,793	1,248	681	864	2,613	1,204	653	756
Male	2,115	932	516	667	2,020	909	519	592
Female	678	316	165	197	593	295	134	164
U.S. citizens and permanent residents[a]	1,156	426	222	508	1,150	432	254	464
Hispanic or Latino	54	8	17	29	52	10	13	29
Not Hispanic or Latino	1,045	404	196	445	1,065	409	237	419
American Indian or Alaska Native	4	1	2	1	3	0	2	1
Asian	137	61	20	56	171	66	47	58
Black or African American	14	5	5	4	14	5	3	6
Native Hawaiian or Other Pacific Islander	3	1	1	1	2	1	0	1
White	853	319	159	375	861	328	183	350
More than one race	34	17	9	8	14	9	2	3
Unknown ethnicity or race	57	14	9	34	33	13	4	16
Temporary visa holders	1,637	822	459	356	1,463	772	399	292

FFRDC = federally funded research and development center.

[a] Ethnicity and race data available only for U.S. citizens and permanent residents.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Postdocs at Federally Funded Research and Development Centers.

TABLE 4. Source of support and citizenship of postdocs at federally funded research and development centers, by FFRDC type: 2012–13

Source of support and citizenship	2012 Total	2012 University administered	2012 Nonprofit administered	2012 Industry administered	2013 Total	2013 University administered	2013 Nonprofit administered	2013 Industry administered
All postdocs	2,793	1,248	681	864	2,613	1,204	653	756
Federal support	2,707	1,176	678	853	2,531	1,134	653	744
U.S. citizens and permanent residents	1,135	410	221	504	1,126	412	254	460
Temporary visa holders	1,572	766	457	349	1,405	722	399	284
Nonfederal support	86	72	3	11	82	70	0	12
U.S. citizens and permanent residents	21	16	1	4	24	20	0	4
Temporary visa holders	65	56	2	7	58	50	0	8

FFRDC = federal funded research and development center.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Postdocs at Federally Funded Research and Development Centers.

TABLE 5. Field of research of postdocs at federally funded research and development centers, by FFRDC type: 2012–13

Field of research	2012 Total	2012 University administered	2012 Nonprofit administered	2012 Industry administered	2013 Total	2013 University administered	2013 Nonprofit administered	2013 Industry administered
All postdocs	2,793	1,248	681	864	2,613	1,204	653	756
Science and engineering	2,720	1,229	658	833	2,493	1,129	647	717
Science	2,108	1,055	478	575	1,875	915	456	504
Agricultural sciences	0	0	0	0	2	0	2	0
Biological sciences	247	101	83	63	209	78	71	60
Chemistry	496	224	132	140	428	180	121	127
Computer sciences	123	59	42	22	78	26	30	22
Earth, atmospheric, and ocean sciences	240	157	36	47	210	123	51	36
Mathematical sciences	61	6	22	33	58	18	13	27
Physics and astronomy	861	483	123	255	790	452	124	214
Psychology	1	0	0	1	1	1	0	0
Social sciences	6	0	1	5	8	0	0	8
Other sciences	73	25	39	9	91	37	44	10
Engineering	612	174	180	258	618	214	191	213
Aerospace engineering	17	0	0	17	17	2	3	12
Agricultural engineering	0	0	0	0	4	3	1	0
Biomedical engineering	17	0	10	7	19	3	8	8
Chemical engineering	84	20	27	37	85	34	27	24
Civil engineering	15	3	6	6	24	11	7	6
Electrical engineering	42	7	18	17	57	21	15	21
Engineering science and physics	20	0	12	8	7	6	0	1
Industrial and manufacturing engineering	0	0	0	0	3	1	0	2
Materials and metallurgical engineering	226	87	58	81	183	57	72	54
Mechanical engineering	91	23	17	51	109	33	22	54
Mining engineering	0	0	0	0	0	0	0	0
Nuclear engineering	48	8	18	22	50	6	27	17
Petroleum engineering	0	0	0	0	1	1	0	0
Other engineering	52	26	14	12	59	36	9	14
Health	30	0	19	11	17	4	5	8
Multidisciplinary	31	19	0	12	27	17	0	10
Non-science or engineering	0	0	0	0	7	4	1	2
Field of research not known	12	0	4	8	69	50	0	19

FFRDC = federal funded research and development center.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Postdocs at Federally Funded Research and Development Centers.

TABLE 6. Field of research of postdocs at federally funded research and development centers, by citizenship: 2012–13

Field of research	2012 Total	2012 U.S. citizens and permanent residents	2012 Temporary visa holders	2013 Total	2013 U.S. citizens and permanent residents	2013 Temporary visa holders
All postdocs	2,793	1,156	1,637	2,613	1,150	1,463
Science and engineering	2,720	1,124	1,596	2,493	1,106	1,387
Science	2,108	863	1,245	1,875	807	1,068
Agricultural sciences	0	0	0	2	1	1
Biological sciences	247	114	133	209	108	101
Chemistry	496	207	289	428	203	225
Computer sciences	123	49	74	78	33	45
Earth, atmospheric, and ocean sciences	240	100	140	210	86	124
Mathematical sciences	61	31	30	58	28	30
Physics and astronomy	861	332	529	790	309	481
Psychology	1	1	0	1	1	0
Social sciences	6	0	6	8	5	3
Other sciences	73	29	44	91	33	58
Engineering	612	261	351	618	299	319
Aerospace engineering	17	10	7	17	10	7
Agricultural engineering	0	0	0	4	1	3
Biomedical engineering	17	8	9	19	8	11
Chemical engineering	84	38	46	85	49	36
Civil engineering	15	6	9	24	15	9
Electrical engineering	42	19	23	57	28	29
Engineering science and physics	20	11	9	7	3	4
Industrial and manufacturing engineering	0	0	0	3	1	2
Materials and metallurgical engineering	226	89	137	183	65	118
Mechanical engineering	91	35	56	109	57	52
Mining engineering	0	0	0	0	0	0
Nuclear engineering	48	24	24	50	36	14
Petroleum engineering	0	0	0	1	0	1
Other engineering	52	21	31	59	26	33
Health	30	12	18	17	9	8
Multidisciplinary	31	13	18	27	12	15
Non-science or engineering	0	0	0	7	0	7
Field of research not known	12	7	5	69	23	46

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Postdocs at Federally Funded Research and Development Centers.

TABLE 7. Sex, citizenship, ethnicity, race, and source of support of postdocs at federally funded research and development centers: 2005–07, 2009–10, 2012–13

Characteristic	2005	2006	2007	2009	2010	2012	2013
FFRDCs with postdocs	22	22	22	23	22	21	21
All postdocs	1,820	2,147	2,235	2,449	3,011	2,793	2,613
Male	1,430	1,373	1,461	1,679	2,052	2,115	2,020
Female	390	455	450	513	673	678	593
Unknown sex	0	319	324	257	286	0	0
U.S. citizens and permanent residents[a]	654	774	899	899	1,191	1,156	1,150
Hispanic or Latino	NA	NA	NA	39	48	54	52
Not Hispanic or Latino	NA	NA	NA	833	1,005	1,045	1,065
American Indian or Alaska Native	NA	NA	NA	2	4	4	3
Asian	NA	NA	NA	115	151	137	171
Black or African American	NA	NA	NA	18	16	14	14
Native Hawaiian or Other Pacific Islander	NA	NA	NA	2	3	3	2
White	NA	NA	NA	691	822	853	861
More than one race	NA	NA	NA	5	9	34	14
Unknown ethnicity or race	NA	NA	NA	27	138	57	33
Temporary visa holders	1,120	1,373	1,336	1,293	1,820	1,637	1,463
Unknown citizenship	46	0	0	257	0	0	0
Source of support							
Federal support	NA	1,641	2,030	2,258	2,541	2,707	2,531
Nonfederal support	NA	506	205	181	184	86	82
Unknown support source	NA	0	0	10	286	0	0

NA = not available; data were not collected.

FFRDC = federally funded research and development center.

[a] Ethnicity and race data available only for U.S. citizens and permanent residents.

NOTES: The survey was not conducted in 2008 or 2011. Use caution in using trend data because the changes in how FFRDCs define their postdocs, maintain their administrative data, and report unknown responses affect data comparability trends. Particularly, the postdoc numbers in 2012 and 2013 are not comparable to those reported in 2010 and prior years due to one FFRDC revising and significantly reducing its postdoc reporting after reorganization in 2011. See http://www.nsf.gov/statistics/srvyffrdcpd/ for more details.

SOURCES: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Postdocs at Federally Funded Research and Development Centers.

Appendix A. Technical Notes

Survey Overview (2013 Survey Cycle)

Purpose. The Survey of Postdocs at Federally Funded Research and Development Centers is a census of all federally funded research and development centers (FFRDCs) in the United States that employed postdoctoral researchers (postdocs) as of the survey reference date. The survey is intended to identify all FFRDCs that employed postdocs as of the survey reference date and to collect aggregate information on the demographic characteristics and fields of research of the postdocs employed at each FFRDC.

Data collection authority. The information is solicited under the authority of the National Science Foundation Act of 1950, as amended. The Office of Management and Budget (OMB) control number is 3145-0062 and expires on 30 September 2014.

Survey contractor. RTI International.

Survey sponsors. The FFRDC survey is conducted as part of the Survey of Graduate Students and Postdoctorates in Science and Engineering, which is sponsored by the National Science Foundation (NSF) and the National Institutes of Health (NIH). The Department of Energy (DOE) provided funding until 2010.

Key Survey Information

Frequency. Periodic.

Initial survey year. 2005.

Reference period. 1 October 2013.

Response unit. Establishment.

Sample or census. Census.

Population size. 40 FFRDCs.

Sample size. Not applicable.

Survey Design

Target population. The survey target population includes all FFRDCs that employed postdocs as of 1 October 2013.

Sample frame. The Master Government List of Federally Funded R&D Centers in the United States is maintained by NSF (http://www.nsf.gov/statistics/ffrdclist/) and is current as of 2013. NSF maintains the master list by querying all federal agencies annually to determine changes, additions, or deletions to the list. FFRDCs are engaged in basic research, applied research, development, or management of R&D activities, either on direct request of the government or under a broad charter from the government—but, in either case, under the monitorship of the government. FFRDCs are operated, managed, and administered as separate organizational units within a parent organization or as separately incorporated organizations. They receive the majority of their financial support (70% or more) from the federal government, usually from one agency, and are expected to have a long-term relationship with their sponsoring agency.

Sample design. Not applicable.

Data Collection and Processing Methods

Data collection. On 2 December 2013, before starting data collection, all 2012 respondents were contacted via e-mail to confirm whether they were still the most appropriate contact. Additional follow-up contacts through e-mails and telephone calls were made to the center directors or other staff at the FFRDCs that did not immediately confirm the contact person. These efforts resulted in identifying a contact person for all 40 FFRDCs. On 6 January 2014, FFRDC directors were sent a letter inviting them to participate in the 2013 survey. On 13 January, the FFRDC contact persons were e-mailed the survey's Web access information with a due date of 10 February. A series of survey reminders were sent to FFRDCs before the due date and were continued until the last center responded to the survey on 17 February 2014.

Mode. Self-administered online questionnaire (Web) by 100% of respondents.

Response rates. All 40 FFRDCs responded to the survey, and all 21 FFRDCs that employed postdocs provided information on all data items. The response rate calculations adhere to American Association for Public Opinion Research (AAPOR) standards for computing response rates.[1]

Data editing. All the data submitted by the FFRDCs were reviewed to ensure that all data fields were completed and that data were internally consistent. Any FFRDC with cell counts that were more than 20% above or 20% below its corresponding prior-year data was flagged for edit verification. In cases where additional information or data corrections were needed, FFRDC respondents were contacted by telephone or e-mail and asked to correct and resubmit the survey data. No FFRDCs required a comprehensive follow-up.

Imputation. None.

Weighting. Not applicable.

Variance estimation. Not applicable.

Survey Quality Measures

Sampling error. Not applicable.

Coverage error. None; FFRDCs were identified through the NSF Master Government List of FFRDCs.

Nonresponse error. None; all FFRDCs that employed postdocs responded to the survey with no missing response.

Measurement error. The most likely source of measurement error is from the respondents' misreporting of information. To minimize reporting errors, substantial changes in counts and inconsistent data on the completed forms are subject to callbacks to verify changes and correct anomalies in the data. The survey Web instrument was also designed to allow respondents to indicate that they have postdocs but do not have the information about them, which allows missing information to be distinguished from the reporting of zero counts.

Data Comparability (Changes)

Changes in survey coverage and population. The FFRDC postdoc numbers in 2012 and 2013 are not comparable with the numbers reported in 2010 and prior years due to the Frederick National

Laboratory for Cancer Research (FNLCR) revising its postdoc reporting to include only FFRDC contract employees after it was reorganized and renamed from the National Cancer Institute of Frederick in 2011. Consequently, the total number of postdocs reported by FNLCR dropped from 286 in 2010 to 25 in 2012 and to 18 in 2013. All comparisons of the FFRDC postdoc data between the years need to account for this difference.

Changes in questionnaire. To ensure that FFRDCs were reporting postdocs correctly, a pop-up verification box was added to 2013 survey instrument that would appear if the FFRDC stated that a postdoc was funded through a nonfederal source. The verification box would state: "Please confirm that your institution had one or more postdocs whose largest source of financial support was a nonfederal source."

Changes in reporting procedures or classification. Not applicable.

Definitions

Ethnicity. The U.S. Office of Management and Budget provides guidance to collect Hispanic ethnicity separately from race. In this survey, Hispanic ethnicity refers to whether an individual is of Hispanic or Latino descent—a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.

Federal financial support: Postdoctoral support provided by a federal agency such as the Department of Defense, DOE, NIH, or NSF.

Field of research. The area of research on which the postdoc's research was focused. It may or may not be the field in which the postdoc received his or her degree.

Foreign nationals holding temporary visas: Individuals in the United States on temporary visas.

Hispanic or Latino ethnicity: Individuals of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.

Largest source of support. The source of funds that provides the largest amount (highest percentage) of financial support for postdocs.

Nonfederal financial support. Support from state and local government; support from institutions, such as stipends; support from foreign sources, such as foreign governments, foreign firms, and agencies of the United Nations; and other U.S. sources, such as support from nonprofit institutions, private industry, and all other nonfederal U.S. sources.

Postdoctoral researchers (postdocs). The definition of a postdoc varies by institution. Respondents were instructed to use their institution's definition of a postdoc. NSF defines a postdoc as meeting both of the following qualifications:

(1) Holds a recent doctoral degree, generally awarded within the last 5 years, such as PhD or equivalent (e.g., ScD or DEng), or first professional degree in a medical or related field (MD, DDS, DO, DVM), or foreign degree equivalent to a U.S. doctoral degree; and (2) Has a limited-term appointment, generally no more than 5–7 years, primarily for training in research or scholarship and working under the supervision of a senior scholar in a unit affiliated with the institution.

U.S. citizens and permanent residents. U.S. citizens, including those from Puerto Rico and the U.S. territories, and permanent residents holding Green Cards.

U.S. territories. American Samoa, Guam, Federated States of Micronesia, the Northern Marianas, and the U.S. Virgin Islands.

Notes

1. See response rate 3 calculation in American Association for Political Opinion Research (AAPOR). 2011. *Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys.* 7th ed. Page 45. Deerfield, IL: AAPOR.

Appendix B. Survey Instrument

Worksheet for 2013 Survey

Worksheet for 2013 Survey on Postdocs at Federally Funded Research and Development Centers

(FFRDC Postdoc Survey)

INFORMATION COPY
DO NOT USE TO REPORT

Survey Information

Purpose and Background

Your Federally Funded Research and Development Center (FFRDC) was selected for this survey because it is listed on the Master Government List of FFRDCs (http://www.nsf.gov/statistics/ffrdc/start.cfm), where FFRDC refers to the organizations, centers, laboratories, etc. named on that list.

The results from this survey will help provide the National Science Foundation (NSF) with a comprehensive picture of the training of the nation's postdoctorate researchers (postdocs) in science, engineering, and health-related fields. Additional data on postdocs in academic organizations are collected in the Survey of Graduate Students and Postdoctorates in Science and Engineering.

This worksheet and instructions are provided to help you compile your answers to the 2013 FFRDC Postdoc Survey. Please see the section "Data Submission" below for more information about gathering data for and completing the survey.

Data Collected

Report the number and characteristics of postdocs at your FFRDC. Please use October 1, 2013, as the reference date when completing the items in the survey. This survey includes the following items:

- **Contact Information**—provide name, job title, telephone number, and e-mail address for the survey respondent (the person completing this survey).
- **Item 1. Postdoc Definition**—identify the common characteristics of postdocs at your FFRDC.
- **Item 2. Demographics**—provide counts of postdocs by citizenship, ethnicity/race, and sex.
- **Item 3. Financial Support**—provide counts of postdocs by federal vs. non-federal financial support and by citizenship.
- **Item 4. Postdoc Field of Research**—provide counts of postdocs by field of research and citizenship.

For Glossary terms used in the GSS, please refer to the Glossary starting on page 7.

Data Submission

This worksheet is designed to help you to complete the FFRDC Postdoc Survey on the Web.

- Use the Web survey to report and submit the information from this worksheet for your FFRDC.
- Access the Web survey at http://ffrdc2013.org by using the user ID and password you will receive by e-mail.
- Submit the FFRDC Postdoc Survey data to NSF by **February 10, 2014**.

Please Go to Next Page: Contact Information

SURVEY HELP

If you lost the ID and/or password to access the Web survey or have any questions about your submission, please contact Jean Lennon at FFRDC@rti.org or (866) 558-0781.

This information is collected under the authority of the National Science Foundation Act of 1950, as amended. All information provided will be used for research and statistical purposes by the survey sponsors and their contractors for the purpose of analyzing data and preparing scientific reports. Most of the survey data will be reported by individual institutions. Identifying individual institution data is standard policy for NSF's establishment surveys and will permit you to compare your institution's data with other institutions' data. Response is entirely voluntary. Not providing some or all of the information will in no way adversely affect your FFRDC.

Form Approved
OMB No. 3145-0062
Appr. Exp. 9/3/2014

Worksheet for 2013 FFRDC Postdoc Survey

Contact Information

FFRDC Name:	
FFRDC Address:	
Director's Name:	
Director's E-mail Adreess:	

Respondent's Name:	
Respondent's Job Title:	
Telephone Number: (XXX-XXX-XXXX)	
E-mail Address:	

Please Go to Item 1. Postdoc Definition

Worksheet for 2013 FFRDC Postdoc Survey

Item 1. Postdoc Definition

Different organizations have different definitions of postdocs, which may change over time. Listed below are the common characteristics of postdocs used by different organizations.

1. Please indicate below if there have been changes related to postdocs requirements at your FFRDC from last year.

Mark (X) Yes or No.

☐ Yes → Continue with Question 2

☐ No → Skip to Question 3

2. Which of the following are characteristics of postdoc requirements at your FFRDC?

Postdoc characteristics	Is required? (Mark [X] Yes or No)	
	Yes	No
a. Requires a PhD or an equivalent doctorate degree (such as, ScD, MD, DVM, or DDS)?		
b. Requires that the doctorate was recently awarded?		
c. Is a temporary position?		
d. Is intended to provide training in research?		
e. Is intended to advance professional skills?		
f. Requires a full-time commitment to research?		
g. Requires that the postdoc work under the direction of a senior scholar?		
h. Is for a defined period of time (i.e., has a term limit)?		
i. Requires publication of research in scholarly journals?		
j. Requires mentorship for professional development?		
k. Is intended to prepare the postdoc for an independent career in research?		

3. Does your FFRDC have a formal definition of a postdoc position?

Mark (X) Yes or No.

☐ Yes

☐ No

4. As of October 1, 2013, what was the total number of postdocs at your FFRDC?

Please use your FFRDC's definition of a postdoc. If your FFRDC does not have a definition, see the Glossary on page 7 for the NSF definition. Note: please include clinical fellows if the primary purpose of the appointment is research.

TOTAL NUMBER OF POSTDOCS ☐

Please Go to Item 2. Demographics

Worksheet for 2013 FFRDC Postdoc Survey

Item 2. Demographics

As of October 1, 2013, how many male and female postdocs did this FFRDC have in each of the citizenship, ethnicity, and race categories listed below?

☐ Check this box if this FFRDC had postdocs but you cannot provide any information about them

- Please use your FFRDC's definition of a postdoc. See the Glossary on page 7 for definitions of foreign nationals, U.S. citizens and permanent residents, ethnicity, and race.
- Count postdocs who are Hispanic/Latino or Hispanic/Latino and any other race in Row B only.
- Count of total postdocs (Column 3, Row J) must match the total number of postdocs in Item 1.

Citizenship, ethnicity, and race of postdocs (report postdocs in whole numbers)		**Male** 1	**Female** 2	**Total**[1] 3
Foreign nationals holding temporary visas regardless of ethnicity or race……..	A			
U.S. citizens and permanent residents (non-U.S. citizens holding Green Cards)				
• Hispanic/Latino ethnicity (one or more races)…….	B			
• Not Hispanic/Latino ethnicity (one or more races)				
One race, American Indian/Alaska Native……..…..……	C			
One race, Asian…….……..	D			
One race, Black/African American……..…	E			
One race, Native Hawaiian/Other Pacific Islander……..	F			
One race, White…….……	G			
More than one race (not Hispanic/Latino)……	H			
• Ethnicity/race unknown or not stated……..…….....	I			
Total postdocs (sum Rows A–I)[1] ……	J			

Please explain significant differences from the 2012 survey or provide other comments here.

[1] Shaded row and column totals will be automatically calculated on the Web survey.

Please Go to Item 3. Financial Support

Worksheet for 2013 FFRDC Postdoc Survey

Item 3. Financial Support

As of October 1, 2013, how many postdocs did this FFRDC have by citizenship status and their largest source of financial support?

☐ Check this box if this FFRDC had postdocs but you cannot provide any information about them

- Please use your FFRDC's definition of a postdoc. See the Glossary on page 7 for definitions of largest source of financial support, federal/non-federal financial support, U.S. citizens and permanent residents, and foreign nationals.
- Count of total postdocs (Column 3, Row C) must match the total number of postdocs in Item 1.

Largest source of financial support (report postdocs in whole numbers)	**U.S. citizens and permanent residents** 1	**Foreign nationals holding temporary visas** 2	**Total postdocs**[1] 3
Federal financial support…… A			
Non-federal financial support…… B			
Total postdocs (sum Rows A–B)[1]…… C			
Please explain significant differences from the 2012 survey or provide other comments here.			

[1] Shaded row and column totals will be automatically calculated on the Web survey.

Please Go to Item 4. Postdoc Field of Research

NOTE: A confirmation box will display when any postdocs are reported in Row B. The box will say:

"Please confirm that your institution had one or more postdocs whose largest source of financial support was a **nonfederal** source."

Worksheet for 2013 FFRDC Postdoc Survey

Item 4. Postdoc Field of Research

Please report the number of postdocs at your FFRDC by citizenship status and the fields of research in which the postdocs were engaged as of October 1, 2013.

☐ Check this box if this unit had postdocs but you cannot provide any information about them

- Please use your FFRDC's definition of a postdoc. See the Glossary on page 7 for definitions of field of research, foreign nationals, and U.S. citizens and permanent residents.
- Report postdocs who were engaged in multiple research fields in one field category only.
- Count of total postdocs (Column 3, Row C) must match the total number of postdocs in Item 1.

Postdoc field of research (report postdocs in whole numbers)		**U.S. citizens and permanent residents** 1	**Foreign nationals holding temporary visas** 2	**Total postdocs**[1] 3
Science fields				
Agricultural Sciences	A			
Biological Sciences	B			
Chemistry	C			
Computer Sciences	D			
Earth, Atmospheric, and Ocean Sciences	E			
Health Fields	F			
Mathematical Sciences	G			
Physics/Astronomy	H			
Psychology	I			
Social Sciences	J			
Other Science Fields	K			
Engineering fields				
Aerospace Engineering	L			
Agricultural Engineering	M			
Biomedical Engineering	N			
Chemical Engineering	O			
Civil Engineering	P			
Electrical Engineering	Q			
Engineering Science and Physics	R			
Industrial/Manufacturing Engineering	S			
Materials/Metallurgical Engineering	T			
Mechanical Engineering	U			
Mining Engineering	V			
Nuclear Engineering	W			
Petroleum Engineering	X			
Other Engineering Fields	Y			
Other				
Multidisciplinary Fields	a			
Non-Science or Engineering Field	b			
Field Not Known	c			
Total (sum Rows A–c)[1]	d			

Please explain significant differences from the 2012 survey or provide other comments here.

[1] Shaded row and column totals will be automatically calculated on the Web survey.

2013 FFRDC Postdoc Survey

Glossary

Citizenship. Count individuals as either U.S. citizens and permanent residents or as foreign nationals holding temporary visas. Do not count foreign postdocs living outside the United States.

1) **U.S. citizens and permanent residents**—U.S. citizens, including those from Puerto Rico and the U.S. territories, and permanent residents holding green cards.
2) **Foreign nationals holding temporary visas**—Individuals in the United States on temporary visas. Individuals who are native residents of Puerto Rico or a U.S. territory, or permanent residents holding green cards, should be included under U.S. citizens and permanent residents. Non U.S. citizens without temporary visas who reside outside the U.S. and who are enrolled in an on-line degree program at a U.S. institution should be excluded. Do not report foreign nationals by ethnicity or race.

Ethnicity. The U.S. Office of Management and Budget (OMB) defines ethnicity separately from race (please see separate entry for Race). In this survey, ethnicity refers to whether an individual is of Hispanic or Latino descent—a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race. Also see Hispanic/Latino ethnicity.

Federal financial support. Postdoctoral support provided by a Federal agency such as the Department of Defense, Department of Energy, National Institutes of Health, or National Science Foundation.

Field of research. The area of research on which the postdoc's research was focused. It may or may not be the field in which the postdoc received his or her degree. If a postdoc was engaged in more than one field of research, please choose one field or multidisciplinary fields, as appropriate.

Foreign nationals holding temporary visas. Individuals in the United States on temporary visas. Individuals who are native residents of Puerto Rico or a U.S. territory, or permanent residents holding green cards, should be included under U.S. citizens and permanent residents. Do not report foreign nationals by ethnicity or race.

Hispanic/Latino ethnicity. Only report ethnicity for U.S. citizens (including those from Puerto Rico and U.S. territories). All foreign nationals holding temporary visas should be reported in Row A. Include all postdocs of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race. Count all postdocs who are Hispanic/Latino or Hispanic/Latino and any other race(s) in this category.

Largest source of support. The source of funds that provides the largest amount (highest percentage) of financial support for postdocs.

Non-federal financial support. Support from state and local government; support from your institution, such as stipends; support from foreign sources, such as foreign governments, foreign firms, and agencies of the United Nations; and other U.S. sources, such as support from nonprofit institutions, private industry, and all other nonfederal U.S. sources.

Postdoc. The definition of a postdoc varies by organization. Please use your FFRDC's definition of a postdoc. NSF defines a postdoc as meeting both of the following qualifications:

1) Holds a recent doctoral degree, generally awarded within the last 5 years, such as PhD or equivalent (such as, ScD or DEng), or first professional degree in a medical or related field (MD, DDS, DO, DVM), or foreign degree equivalent to a U.S. doctoral degree; and
2) Has a limited-term appointment, generally no more than 5–7 years, primarily for training in research or scholarship and working under the supervision of a senior scholar in a unit affiliated with your organization.

Postdoc field of research. See Field of research.

Puerto Rico and U.S. Territories. U.S. territories include American Samoa, Guam, Federated States of Micronesia, the Northern Marianas, and the U.S. Virgin Islands.

Race. Only report race for U.S. citizens (including those from Puerto Rico and U.S. territories) and permanent residents. All foreign nationals holding temporary visas should be reported in Row A. The U.S. Office of Management and Budget defines race separately from ethnicity (See Ethnicity and Hispanic/Latino ethnicity).The FFRDC survey uses the following definitions of race:

- One race, American Indian or Alaska Native—A person of only one race having origins in any of the original peoples of North and South America (including Central America) and who maintains tribal affiliation or community attachment.
- One race, Asian—A person of only one race having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.
- One race, Black or African American—A person of only one race having origins in any of the black racial groups of Africa.
- One race, Native Hawaiian or Other Pacific Islander—A person of only one race having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
- One race, White—A person of only one race having origins in any of the original peoples of Europe, the Middle East, or North Africa.
- More than one race reported (not Hispanic/Latino)—Individuals reporting two or more of the race categories listed above. Individuals who report being Hispanic/Latino and one or more race should be reported in Row B instead.

Race/ethnicity unknown or not stated. Use this category if neither the race nor the ethnicity of the individuals is known. If the race is known, but the ethnicity is unknown, report the individual by race. If the individual is Hispanic or Latino but the race is unknown, report the individual as Hispanic/Latino.

U.S. citizens and permanent residents. U.S. citizens, including those from Puerto Rico and the U.S. territories, and permanent residents holding Green Cards.

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