



## Postdocs at Federally Funded R&D Centers: Fall 2015

Detailed Statistical Tables | NSF 17-300 | October 2016

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### General Notes

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These data were compiled from the Survey of Postdocs at Federally Funded Research and Development Centers (FFRDCs): Fall 2015. The survey is intended to identify all FFRDCs that employed postdoctoral researchers (postdocs) as of 1 October of the survey year and to collect aggregate information on the demographic characteristics and fields of research of the postdocs employed at each FFRDC. The survey is conducted as part of the Survey of Graduate Students and Postdoctorates in Science and Engineering, which is sponsored by the National Center for Science and Engineering Statistics within the National Science Foundation and by the National Institutes of Health.

The most recent Master Government List of FFRDCs can be found at <https://www.nsf.gov/statistics/ffrdclist/>. For data on research and development expenditures at FFRDCs, see the R&D Expenditures at FFRDCs report series at <https://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 <https://www.nsf.gov/statistics/fedfunds/>.

## Data Tables

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TABLE 1. Postdocs at federally funded research and development centers: 2013 and 2015

FFRDCs	2013	2015
All postdocs	2,613	2,696
University-administered FFRDCs	1,204	1,227
Ames Laboratory	42	44
Argonne National Laboratory	279	304
Fermi National Accelerator Laboratory	55	79
Jet Propulsion Laboratory	159	165
Lawrence Berkeley National Laboratory	475	449
Lincoln Laboratory	0	3
National Center for Atmospheric Research	37	33
National Optical Astronomy Observatory <sup>a</sup>	11	4
National Radio Astronomy Observatory	21	12
National Solar Observatory <sup>a</sup>	-	1
Princeton Plasma Physics Laboratory	15	17
SLAC National Accelerator Laboratory	41	41
Thomas Jefferson National Accelerator Facility	69	75
Nonprofit-administered FFRDCs	653	698
Brookhaven National Laboratory	151	133
National Renewable Energy Laboratory	71	92
Oak Ridge National Laboratory	236	230
Pacific Northwest National Laboratory	195	242
Project Air Force	0	1
Industry-administered FFRDCs	756	771
Frederick National Laboratory for Cancer Research	18	14
Idaho National Laboratory	8	32
Lawrence Livermore National Laboratory	152	182
Los Alamos National Laboratory	397	343
Sandia National Laboratories	175	189
Savannah River National Laboratory	6	11

FFRDC = federally funded research and development center.

<sup>a</sup>The National Solar Observatory was included as part of the National Optical Astronomy Observatory in the 2013 Master Government List of FFRDCs.

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: 2015

Citizenship, ethnicity, and race	Total	Male	Female
All postdocs	2,696	2,048	648
U.S. citizens and permanent residents <sup>a</sup>	1,246	902	344
Hispanic or Latino	55	40	15
Not Hispanic or Latino	1,140	823	317
American Indian or Alaska Native	5	5	0
Asian	181	126	55
Black or African American	19	11	8
Native Hawaiian or Other Pacific Islander	0	0	0
White	908	666	242
More than one race	27	15	12
Unknown ethnicity or race	51	39	12
Temporary visa holders	1,450	1,146	304

<sup>a</sup> 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, 2015.

TABLE 3. Sex, citizenship, ethnicity, and race of postdocs at federally funded research and development centers, by FFRDC type: 2015

Sex, citizenship, ethnicity, and race	Total	University administered	Nonprofit administered	Industry administered
All postdocs	2,696	1,227	698	771
Male	2,048	899	549	600
Female	648	328	149	171
U.S. citizens and permanent residents <sup>a</sup>	1,246	456	298	492
Hispanic or Latino	55	18	8	29
Not Hispanic or Latino	1,140	408	285	447
American Indian or Alaska Native	5	1	4	0
Asian	181	73	40	68
Black or African American	19	8	8	3
Native Hawaiian or Other Pacific Islander	0	0	0	0
White	908	311	231	366
More than one race	27	15	2	10
Unknown ethnicity or race	51	30	5	16
Temporary visa holders	1,450	771	400	279

FFRDC = federally funded research and development center.

<sup>a</sup> 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, 2015.

TABLE 4. Source of support and citizenship of postdocs at federally funded research and development centers, by FFRDC type: 2015

Source of support and citizenship	Total	University administered	Nonprofit administered	Industry administered
All postdocs	2,696	1,227	698	771
Federal support	2,543	1,095	689	759
U.S. citizens and permanent residents	1,185	407	293	485
Temporary visa holders	1,358	688	396	274
Nonfederal support	150	129	9	12
U.S. citizens and permanent residents	58	46	5	7
Temporary visa holders	92	83	4	5
Unknown support	3	3	0	0
U.S. citizens and permanent residents	3	3	0	0
Temporary visa holders	0	0	0	0

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, 2015.

TABLE 5. Field of research of postdocs at federally funded research and development centers, by FFRDC type: 2015

Field of research	Total	University administered	Nonprofit administered	Industry administered
All postdocs	2,696	1,227	698	771
Science and engineering	2,540	1,095	691	754
Science	1,854	900	463	491
Agricultural sciences	1	0	0	1
Biological sciences	177	75	56	46
Chemistry	432	162	148	122
Computer sciences	115	30	50	35
Earth, atmospheric, and ocean sciences	212	120	52	40
Mathematical sciences	57	13	11	33
Physics and astronomy	746	434	115	197
Psychology	1	1	0	0
Social sciences	2	0	1	1
Other sciences	111	65	30	16
Engineering	686	195	228	263
Aerospace engineering	20	2	4	14
Agricultural engineering	5	3	1	1
Biomedical engineering	22	2	3	17
Chemical engineering	89	28	33	28
Civil engineering	29	15	5	9
Electrical engineering	70	16	17	37
Engineering science and physics	23	9	0	14
Industrial and manufacturing engineering	2	1	0	1
Materials and metallurgical engineering	216	41	122	53
Mechanical engineering	112	32	20	60
Mining engineering	0	0	0	0
Nuclear engineering	41	6	18	17
Petroleum engineering	1	1	0	0
Other engineering	56	39	5	12
Health	5	5	0	0
Multidisciplinary	21	14	7	0
Non-science or engineering	15	7	0	8
Field of research not known	115	106	0	9

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, 2015.

TABLE 6. Field of research of postdocs at federally funded research and development centers, by citizenship: 2015

Field of research	Total	U.S. citizens and permanent residents	Temporary visa holders
All postdocs	2,696	1,246	1,450
Science and engineering	2,540	1,195	1,345
Science	1,854	860	994
Agricultural sciences	1	0	1
Biological sciences	177	101	76
Chemistry	432	230	202
Computer sciences	115	34	81
Earth, atmospheric, and ocean sciences	212	107	105
Mathematical sciences	57	29	28
Physics and astronomy	746	319	427
Psychology	1	1	0
Social sciences	2	2	0
Other sciences	111	37	74
Engineering	686	335	351
Aerospace engineering	20	17	3
Agricultural engineering	5	2	3
Biomedical engineering	22	12	10
Chemical engineering	89	50	39
Civil engineering	29	17	12
Electrical engineering	70	35	35
Engineering science and physics	23	6	17
Industrial and manufacturing engineering	2	0	2
Materials and metallurgical engineering	216	85	131
Mechanical engineering	112	57	55
Mining engineering	0	0	0
Nuclear engineering	41	30	11
Petroleum engineering	1	0	1
Other engineering	56	24	32
Health	5	2	3
Multidisciplinary	21	6	15
Non-science or engineering	15	7	8
Field of research not known	115	36	79

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Postdocs at Federally Funded Research and Development Centers, 2015.



TABLE 7. Sex, citizenship, ethnicity, race, and source of support of postdocs at federally funded research and development centers: Surveyed years, 2005–15

Characteristic	2005	2006	2007	2009	2010	2012	2013	2015
FFRDCs with postdocs	22	22	22	23	22	21	21	24
All postdocs	1,820	2,147	2,235	2,449	3,011	2,793	2,613	2,696
Male	1,430	1,373	1,461	1,679	2,052	2,115	2,020	2,048
Female	390	455	450	513	673	678	593	648
Unknown sex	0	319	324	257	286	0	0	0
U.S. citizens and permanent residents <sup>a</sup>	654	774	899	899	1,191	1,156	1,150	1,246
Hispanic or Latino	NA	NA	NA	39	48	54	52	55
Not Hispanic or Latino	NA	NA	NA	833	1,005	1,045	1,065	1,140
American Indian or Alaska Native	NA	NA	NA	2	4	4	3	5
Asian	NA	NA	NA	115	151	137	171	181
Black or African American	NA	NA	NA	18	16	14	14	19
Native Hawaiian or Other Pacific Islander	NA	NA	NA	2	3	3	2	0
White	NA	NA	NA	691	822	853	861	908
More than one race	NA	NA	NA	5	9	34	14	27
Unknown ethnicity or race	NA	NA	NA	27	138	57	33	51
Temporary visa holders	1,120	1,373	1,336	1,293	1,820	1,637	1,463	1,450
Unknown citizenship	46	0	0	257	0	0	0	0
Source of support								
Federal support	NA	1,641	2,030	2,258	2,541	2,707	2,531	2,543
Nonfederal support	NA	506	205	181	184	86	82	150
Unknown support source	NA	0	0	10	286	0	0	3

NA = not available; data were not collected.

FFRDC = federally funded research and development center.

<sup>a</sup> Ethnicity and race data available only for U.S. citizens and permanent residents.

NOTES: The survey was not conducted in 2008, 2011, or 2014. Exercise 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. See <http://www.nsf.gov/statistics/srvyffrdcpd/> for more details.

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

## Appendix A. Technical Notes

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### Survey Overview (2015 survey cycle)

*Purpose.* The Survey of Postdocs at Federally Funded Research and Development Centers (FFRDC Postdoc Survey) 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.

*Data collection authority.* The information is solicited under the authority of the National Science Foundation Act of 1950, as amended, and the America COMPETES Reauthorization Act of 2010. The Office of Management and Budget (OMB) control number is 3145-0062 and expires on 30 November 2017.

*Survey contractor.* RTI International.

*Survey sponsors.* The FFRDC Postdoc Survey is conducted as part of the Survey of Graduate Students and Postdoctorates in Science and Engineering, which is sponsored by the National Center for Science and Engineering Statistics (NCSES) within the National Science Foundation and by the National Institutes of Health. The Department of Energy (DOE) provided funding until 2010.

### Key Survey Information

*Frequency.* Periodic.

*Initial survey year.* 2005.

*Reference period.* 1 October 2015.

*Response unit.* Establishment.

*Sample or census.* Census.

*Population size.* 42 FFRDCs.

*Sample size.* Not applicable.

### Survey Design

*Target population.* The survey target population includes all FFRDCs that employed postdocs as of 1 October 2015.

*Sample frame.* The survey is a census of all FFRDCs in the Master Government List of FFRDCs in the United States as of FY 2015. This list is maintained by NCSES (<http://www.nsf.gov/statistics/ffrdclist/>). NCSES 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—in both cases, 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 22 January 2016, before starting data collection, prior survey coordinators 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 staff at FFRDCs that did not immediately confirm the contact person. These efforts resulted in identifying a contact person for all FFRDCs. On 26 January 2016, FFRDC directors were sent a letter inviting their FFRDC to participate in the 2015 survey. On 3 February, the FFRDC coordinators received a survey launch e-mail that provided them with the Web survey access information and indicated the due date of 15 March. A series of survey reminders were sent to coordinators, and all but four FFRDCs had replied by the due date. After several follow-up efforts by e-mail and phone, the survey closed on 9 May 2016, when the final FFRDC responded.

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

*Response rates.* All 42 FFRDCs responded to the survey, and all 24 FFRDCs that employed postdocs provided information; thus, the response rate was 100%. The response rate calculations adhere to American Association for Public Opinion Research standards for computing response rates.<sup>1</sup>

*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 survey staff determined that confirmation was needed, FFRDC respondents were contacted by telephone or e-mail and asked to correct and resubmit the survey data.

*Imputation.* Carry-forward imputation was used in cases where an FFRDC was able to provide only overall totals for a grid or where an FFRDC reported that the field of research was unknown for all postdocs.

*Weighting.* Not applicable.

*Variance estimation.* Not applicable.

## **Survey Quality Measures**

*Sampling error.* Not applicable.

*Coverage error.* There is no coverage error for this survey other than that, if any, from the master list of FFRDCs maintained by NCSES.

*Nonresponse error.* None.

*Measurement error.* The most likely source of measurement error is from respondents' misreporting of information. To minimize reporting errors, substantial changes in counts and inconsistent data on the completed forms are subject to follow-up contacts 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 for a particular grid, which allows missing information to be distinguished from the reporting of zero counts.

## **Data Comparability**

*Changes in survey coverage and population.* In 2015, two new FFRDCs were added to the 40 FFRDCs in the 2013 Master Government List of FFRDCs. The National Cybersecurity Center of Excellence was created in 2014 and the National Solar Observatory became a separate FFRDC from the National Optical

Astronomy Observatory. Also in 2015, two FFRDCs—Lincoln Laboratory and Project Air Force—reported having a new program postdoc program for the first time.

In 2012, Frederick National Laboratory for Cancer Research (FNLCR) was reorganized and renamed from the National Cancer Institute at Frederick, and revised its postdoc reporting to include only FFRDC contract employees. Consequently, the total number of postdocs reported by the FNLCR dropped from 286 in 2010 to 25 in 2012. All comparisons of FFRDC postdoc data spanning this period need to account for these differences.

*Changes in questionnaire.* None.

*Changes in reporting procedures or classification.* None.

## **Definitions**

*Ethnicity.* OMB 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.

*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 which a postdoc's research was focused. It may or may not be the field in which a postdoc received his or her degree.

*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 support from other U.S. sources, such as 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. NCSES defines a postdoc as meeting both of the following qualifications:

- (1) Holds a recent doctoral degree, generally awarded within the past 5 years, such as PhD or equivalent (e.g., ScD or DEng); a first professional degree in a medical or related field (MD, DDS, DO, or DVM); or a foreign degree equivalent to a U.S. doctoral degree.
- (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.

*Temporary visa holders.* Postdocs in the United States on temporary visas.

*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, the Federated States of Micronesia, the Northern Mariana Islands, and the U.S. Virgin Islands.

## Notes

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

## **Appendix B. Survey Instrument**

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2015 FFRDC Postdoc Survey Worksheet

# Worksheet for 2015 Survey of 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/ffrdclist>), 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 NSF's Survey of Graduate Students and Postdoctorates in Science and Engineering.

This worksheet and instructions are provided to help you compile your answers to the 2015 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, 2015 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 FFRDC, 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://ffrdc2015.org> by using the user ID and password you will receive by e-mail.
- Submit the FFRDC Postdoc Survey data to NSF by **March 15, 2016**.

## 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 Chris Bennett at [FFRDC@rti.org](mailto: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.

# Worksheet for 2015 FFRDC Postdoc Survey

## Contact Information

<b>FFRDC Name:</b>	<input type="text"/>
<b>FFRDC Address:</b>	<input type="text"/>
<b>Director's Name:</b>	<input type="text"/>
<b>Director's E-mail Address:</b>	<input type="text"/>

<b>Respondent's Name:</b>	<input type="text"/>
<b>Respondent's Job Title:</b>	<input type="text"/>
<b>Telephone Number:</b> (XXX-XXX-XXXX)	<input type="text"/>
<b>E-mail Address:</b>	<input type="text"/>

**Please Go to Item 1. Postdoc Definition**



# Worksheet for 2015 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, 2015, 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 2015 FFRDC Postdoc Survey

### Item 2. Demographics

As of October 1, 2015, 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 <sup>1</sup> 3
<b>Foreign nationals holding temporary visas regardless of ethnicity or race</b> ..... A			
<b>U.S. citizens and permanent residents (non-U.S. citizens holding Green Cards)</b>			
• 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			
<b>Total postdocs (sum Rows A–I)<sup>1</sup></b> ..... J			

Please explain significant differences from the 2013 survey or provide other comments here.

<sup>1</sup> Shaded row and column totals will be automatically calculated on the Web survey.

**Please Go to Item 3. Financial Support**

## Worksheet for 2015 FFRDC Postdoc Survey

### Item 3. Financial Support

**As of October 1, 2015, 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 <sup>1</sup> 3
Federal financial support..... A			
Non-federal financial support..... B			
Total postdocs (sum Rows A–B) <sup>1</sup> ..... C			
Please explain significant differences from the 2013 survey or provide other comments here.			
<sup>1</sup> Shaded row and column totals will be automatically calculated on the Web survey.			

### Please Go to Item 4. Postdoc Field of Research

NOTE: In the Web survey, when any postdocs are reported in Row B, a confirmation box will pop up and display the following:

“Please confirm that your institution had one or more postdocs whose largest source of financial support was a **non-federal** source.”

# Worksheet for 2015 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, 2015.

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 d) 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 <sup>1</sup> 3
<b>Science fields</b>				
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			
<b>Engineering fields</b>				
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			
<b>Other</b>				
Multidisciplinary Fields .....	a			
Non-Science or Engineering Field .....	b			
Field Not Known .....	c			
<b>Total (sum Rows A–c)<sup>1</sup></b> .....	<b>d</b>			

Please explain significant differences from the 2013 survey or provide other comments here.

<sup>1</sup> Shaded row and column totals will be automatically calculated on the Web survey.

# 2015 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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