Table 1. Census of Participating Departments and Interdepartmental Programs

Rationale

This table provides insight into the environment in which the proposed training will take place. It allows reviewers to assess whether the program has the "critical mass" of trainees and faculty and, in the case of interdepartmental programs, representation/distribution of scientific disciplines, to be effective.

Instructions

Part I. Predoctorates

For the current academic year, provide the total number of faculty members, predoctorates, and postdoctorates in each participating department and interdepartmental program, regardless of whether this is a predoctoral or postdoctoral program application. Faculty members should be counted more than once if they participate in a departmental as well as an interdepartmental program(s). Predoctorates and postdoctorates should be counted only once and in association with a single department or interdepartmental program.

For each participating department, division, or interdepartmental program enter the following counts for the current academic year:

1) **Participating Department or Program.** List the name of the Department, Division, or Interdepartmental Program.
2) **Total Faculty.** Provide the total number of current faculty members. In the Total row, count each faculty member only once and enter, in bold font, the total number of ***unique*** faculty members across the participating departments and interdepartmental programs.
3) **Participating Faculty.** Provide the total number of faculty members who will participate in the proposed training program. In the Total row, count each faculty member only once and enter, in bold font, the total number of ***unique*** participating faculty members across the participating departments and interdepartmental programs. (Where faculty members are included in the counts for both a department and a program, or have appointments in more than one participating department, the total number of ***unique*** faculty will be less than the sum across participating departments and programs.)
4) **Total Predoctorates.** Enter the total number of predoctorates. In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of predoctorates for this column.
5) **Total Predoctorates Supported by any HHS Award.** Provide the total number of predoctorates who are currently supported by **any** HHS training award (e.g., NIH T32, T90/R90, F30, F31, AHRQ T32, CDC T03). In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of predoctorates for this column.
6) **Total Predoctorates with Participating Faculty.** Provide the total number of predoctorates with those faculty who are participating in the proposed training program. In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of predoctorates for this column.
7) **Eligible Predoctorates with Participating Faculty.** Provide the total number of predoctorates who are with participating faculty, and who are eligible for support under the proposed award. In most cases (i.e., a T32 application), this number will reflect students who are citizens or non-citizen nationals of the U.S. or permanent residents. In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of predoctorates for this column.
8) **Training grant eligible (TGE) Predoctorates Supported by this Training Grant (Renewals, Revisions Only).** If this is a renewal or revision application, enter the total number of TGE or training-grant eligible (i.e., U.S. citizens, non-citizen nationals of the U.S. or permanent residents) predoctorates currently supported by **this** training grant. In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of predoctorates for this column. If not a renewal or revision application, do not include this column.
9) **Predoctorates Supported by this Training Grant (R90 Only Renewals/Revisions).** If this is a renewal or revision application of a T90/R90 award, enter the total number of predoctorates currently supported on the R90 award component. In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of predoctorates for this column. If not a renewal or revision of a T90/R90 award, do not include this column.

Part II. Postdoctorates

For the current academic year, provide the total number of faculty members, predoctorates, and postdoctorates in each participating department and interdepartmental program, regardless of whether this is a predoctoral or postdoctoral program application. Faculty members should be counted more than once if they participate in a departmental as well as an interdepartmental program(s). Predoctorates and postdoctorates should be counted only once and in association with a single department or interdepartmental program.

For each participating department, division or interdepartmental program enter the following counts for the current academic year:

1) **Participating Department or Program.** List the name of Department, Division or Program.
2) **Total Faculty.** Provide the total number of current faculty members. In the Total row, count each faculty member only once and enter, in bold font, the total number of ***unique*** faculty members across the participating departments and interdepartmental programs. (Where faculty members are included in the counts for both a department and a program, or have appointments in more than one participating department, the total number of ***unique*** faculty will be less than the sum across participating departments and programs.)
3) **Participating Faculty.** Provide the total number of faculty members who will participate in the proposed training program. In the Total row, count each faculty member only once and enter, in bold font, the total number of ***unique*** participating faculty members across the participating departments and interdepartmental programs.
4) **Total Postdoctorates.** Provide the total number of postdoctorates. In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of postdoctorates for this column.
5) **Total Postdoctorates Supported by any HHS Training Award.** Provide the total number of postdoctorates who are currently supported by **any** HHS training award (e.g., T32, T90/R90, F32, AHRQ T32, CDC T03). In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of postdoctorates for this column.
6) **Total Postdoctorates with Participating Faculty.** Provide the total number of postdoctorates with those faculty who are participating in the proposed training program. In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of postdoctorates for this column.
7) **Eligible Postdoctorates with Participating Faculty.** Provide the total number of postdoctorates who are with participating faculty and who are eligible for support under the proposed award. In most cases (e.g. a T32 application), this number will reflect individuals who are citizens or non-citizen nationals of the U.S. or permanent residents. In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of postdoctorates for this column.
8) **Training grant eligible (TGE) Postdoctorates Supported by this Training Grant (Renewals/ Revisions).** If this is a renewal or revision application, enter the total number of TGE postdoctorates currently supported by **this** training grant. In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of postdoctorates for this column. If not a renewal or revision application, do not include this column.
9) **Postdoctorates Supported by this Training Grant (R90 Only Renewals/ Revisions) Only).** If this is a renewal or revision application of a T90/R90 award, enter the total number of postdoctorates currently supported on the R90 award component. In the Total row, sum across departments and interdepartmental programs and enter, in bold font, the total number of postdoctorates for this column. If not a renewal or revision of a T90/R90 award, do not include this column.

Summarize these data in the Background Section of the Research Training Program Plan. Use the narrative to describe the organization of the proposed training program, the participating departments and interdepartmental programs, and the extent to which faculty, graduate students, and/or postdoctorates from those departments/interdepartmental programs participate in the programmatic activities to be supported by the training grant.

Sample Table 1. Census of Participating Departments and Interdepartmental Programs

Part I. Predoctorates

Participating Department or Program	Total Faculty	Participating Faculty	Total Predoctorates	Total Pre-doctorates Supported by any HHS Training Award	Total Pre-doctorates with Participating Faculty	Eligible Predoctorates with Participating Faculty	TGE Predoctorates Supported by this Training Grant (Renewals/ Revisions)	Predoctorates Supported by this Training Grant (R90 only Renewals/ Revisions)
Department of Biochemistry	45	14	38	15	12	6	2	0
Neuroscience Program	32	20	31	20	14	7	4	1
Department of Pharmacology	25	5	30	10	5	3	3	0
Total	**98**	**36**	**99**	**45**	**31**	**16**	**9**	**1**

Part II. Postdoctorates

Participating Department or Program	Total Faculty	Participating Faculty	Total Post-doctorates	Total Postdoctorates Supported by any HHS Training Award	Total Postdoctorates with Participating Faculty	Eligible Postdoctorates with Participating Faculty	TGE Postdoctorates Supported by this Training Grant (Renewals/ Revisions)	Postdoctorates Supported by this Training Grant (R90 Only Renewals/ Revisions) Only)
Department of Biochemistry	45	14	24	10	9	5	2	0
Neuroscience Program	32	20	27	20	12	5	3	1
Department of Pharmacology	25	5	15	8	5	3	2	0
Total	**98**	**36**	**66**	**38**	**26**	**13**	**7**	**1**

Table 2. Participating Faculty Members

Rationale

This information allows reviewers to assess the distribution of participating faculty by rank (junior vs. senior), by research interests, and by department or interdepartmental program. In addition, data on the mentoring records of faculty permit an evaluation of the experience of participating faculty in facilitating the progression of predoctorates and postdoctorates in their careers. The data concisely summarize information about the training faculty.

Instructions

List participating faculty in alphabetical order by last name. For each participating faculty member, provide:

1) **Name.** Include the full name in the format Last Name, First Name and Middle Initial.
2) **Degree(s).** Provide the faculty member's terminal degree(s).
3) **Rank.** Provide the academic rank held by each faculty (e.g., Asst. Prof. for Assistant Professor, Assoc. Prof. for Associate Professor, Prof. for Professor, Res. Asst. Prof. for Research Assistant Professor, Instructor).
4) **Primary Department or Program.** List the primary affiliation (department, interdepartmental program, or other academic unit).
5) **Research Interest.** Provide the faculty member's research interest relevant to the proposed training program.
6) **Training Role.** Provide up to three role(s) for each faculty in the proposed training program, selected from the following options: PD/PI, Preceptor, Executive Committee member (Exec. Comm.), Other Committee member (Other Comm.), Other.

Mentoring Record (Items 7-12). For the last 10 years, provide the record for mentoring predoctorates <u>and</u> postdoctorates who have been or are currently engaged in research training under the faculty member's primary supervision. Exclude predoctorates doing research rotations, and clinical interns and residents unless they have been or are currently engaged in full-time, mentored research training in the faculty member's research group.

7) **Predoctorates in Training.** Provide the number of predoctorates who are currently in training.
8) **Predoctorates Graduated.** Provide the number of predoctorates who were awarded their doctoral degree during the last 10 years.
9) **Predoctorates Continued in Research or Related Careers.** Provide the number of predoctorates who were awarded their doctoral degree during the last 10 years <u>and</u> who currently are engaged in a research-intensive or research-related career. Research-related positions generally require a doctoral degree, and may include activities such as teaching, administering research or higher education programs, science policy, and technology transfer.
10) **Postdoctorates in Training.** Provide the number of postdoctorates who are currently in training in the faculty member's laboratory.
11) **Postdoctorates Completed Training.** Provide the number of postdoctorates who completed postdoctoral training in the faculty member's laboratory during the last 10 years.
12) **Postdoctorates Continued in Research or Related Careers.** Provide the number of postdoctorates who completed postdoctoral training during the last 10 years <u>and</u> who currently are engaged in a research-intensive or research-related career.

Summarize these data in the Research Training Program Plan, within the Background Section and the Program Faculty Section of the Program Plan. Use the narrative to describe the distribution of participating faculty by academic rank, department or interdepartmental program, areas of research emphasis, and the rationale for the faculty selected to participate in the training grant. Analyze the data in terms of the overall experience of the faculty in training predoctorates and/or postdoctorates. Comment on the inclusion of faculty whose mentoring records may suggest limited, recent training experience at either training level (predoctoral or postdoctoral).

Sample Table 2. Participating Faculty Members

Name	Degree(s)	Rank	Primary Department or Program	Research Interest	Training Role	Pre-doctorates In Training	Pre-doctorates Graduated	Pre-doctorates Continued in Research or Related Careers	Post-doctorates In Training	Post-doctorates Completed Training	Post-doctorates Continued in Research or Related Careers
Abrams-Johnson, Jane	PhD	Asst. Prof.	Pharmacology	Regulation of Synthesis of Biogenic Amines	Preceptor Other Comm	1	2	2	1	0	0
Jones, Lisa S.	PhD	Res. Asst. Prof.	Biochemistry	Protein Structure, Folding, and Immunogenicity	Preceptor Exec Comm	3	3	3	4	2	2
Sandoz, Miguel J.	MD, PhD	Assoc. Prof.	Neuroscience	Developmental Genetics in Drosophila	Preceptor	4	6	5	4	8	6
Thomas, James C.	PhD	Prof.	Biochemistry	Molecular and Genetic Analysis of RNA Viruses	PD/PI	7	10	9	8	15	14

Table 3. Federal Institutional Research Training Grant and Related Support Available to Participating Faculty Members Rationale

This table will permit an evaluation of the current level of support for related research training and the extent to which the proposed training grant has overlap in participating faculty. This information is useful in assessing the institutional environment and determining the number of training positions to be awarded.

Instructions

For all currently active, federal institutional training (e.g., NIH T32, T35, AHRQ T32), career development, and research education (e.g., NIH R25, K12/KL2, TL1) support available to the participating faculty members, list the following:

1) **Grant Title.** Provide the full grant title. Do not list all training and related grants at the participating institution(s); list only those with any overlapping faculty (i.e., including any of the same faculty members participating in the proposed training program).
2) **Award Number.** Provide the full award number.
3) **Project Period.** Provide project period dates inclusive of the entire project period, in the format MM/YYYY-MM/YYYY
4) **PD/PI.** Provide the name of the PD/PI(s), in the format Last Name, First Name Middle Initial.
5) **Number of Predoctoral Positions.** Provide the number of full-time predoctoral training positions. In the Total row, sum the number of predoctoral positions across all awards and enter the total in bold font.
6) **Number of Postdoctoral Positions.** Provide the number of full-time postdoctoral training positions. In the Total row, sum the number of postdoctoral positions across all awards and enter the total in bold font.
7) **Number of Short-Term Positions.** Provide the number of short-term training positions. In the Total row, sum the number of short-term positions across all awards and enter the total in bold font.
8) **Number of Participating Faculty (Number Overlapping).** Provide the total number of participating faculty members and, parenthetically, the number of participating faculty members who are also named in this application (overlapping faculty).
9) **Name of Overlapping Faculty.** List the last names of all overlapping faculty.

Summarize these data in the Background Section of the Research Training Program Plan. Use the narrative to summarize the level of research training support at the institution. Comment on instances where the tabular data indicate that there may be substantial overlap of participating faculty.

Sample Table 3. Federal Institutional Research Training Grants and Related Support Available to Participating Faculty Members

Grant Title	Award Number	Project Period	PD/PI	Number of Predoctoral Positions	Number of Postdoctoral Positions	Number of Short-Term Positions	Number of Participating Faculty (Number Overlapping)	Names of Overlapping Faculty
Bioimmunotherapy Training Grant	T32 CA05964-11	07/2011-06/2016	Thomas, James C.	12	0	0	25 (6)	Abelson Brown Fields Johnson Sung Watson
Genetic Basis of Mental Illness	T32 MH02708-07	07/2010-06/2015	Johnson, Albert P.	4	4	2	7 (2)	Johnson Watson
Research Education Program for Residents in Psychiatry	R25 MH09876-06	07/2013-06/2018	Mendez, V. Roberto	0	6	0	33 (3)	Mendez Rivers Truesdale
Career Development in Pediatric Mental Health	K12 HD01234-09	07/2012-06/2017	Sterman, Patricia S.	0	4	0	19 (1)	Rubin
Total				**16**	**14**	**2**		

Table 4. Research Support of Participating Faculty Members

Rationale

This table provides evidence of the strength of the research environment, the availability of funds to support research conducted by the trainees, and the appropriateness of the participating faculty in terms of their active research support.

Instructions

For each faculty member, list the following:

1) **Faculty Member.** List participating faculty members in alphabetical order by last name, in the format Last Name, First Name and Middle Initial.
2) **Funding Source.** List the funding source as NIH, AHRQ, NSF, Other Federal (Other Fed), University (Univ), Foundation (Fdn), None, or Other. If none, state "None." **Exclude applications pending review or award.**
3) **Grant Number.** For each participating faculty member, provide the full grant number for the currently active research grant support in which the faculty member has a role of PD/PI from all sources that will provide the context for research training experiences. Exclude institutional research training grants, institutional career development grants, and research education grants.
4) **Role on Project**. Provide the role of the faculty member on the research project grant (PD/PI or Center Project PI roles **only**).
5) **Grant Title**. Provide the Grant Title.
6) **Project Period**. List the inclusive dates of the entire project period (in the format MM/YYYY-MM/YYYY).
7) **Current Year Direct Costs.** Provide the direct costs for the current budget period. Calculate and provide the average grant support per Participating Faculty Member in the last row.

If the source of support is part of a multiple project grant (e.g., a P01), provide the above information only for that component of the grant on which the faculty member is the Project PI.

Summarize these data in the Program Plan (Program Faculty Section) of the Research Training Program Plan. Analyze the data in terms of total and average grant support. Comment on the inclusion of faculty without research grant support in the proposed training program and explain how the research of trainees who may work with these faculty members would be supported.

Sample Table 4. Research Support of Participating Faculty Members

Faculty Member	Funding Source	Grant Number	Role on Project	Grant Title	Project Period	Current Year Direct Costs
Jones, Janine L.	NIH	1 R01 GM76259-01	PD/PI	Structure and Function of Acetylcholine Receptors	06/2014--05/2018	$190,000
Jones, Janine L.	NIH	5 K08 AI00091-03	PD/PI	Purification & Identification of Receptors	11/2012-11/2017	$140,000
Ehlers, Roger G.	Univ		PD/PI	University start-up funds	08/2014-07/2017	$350,000
Mack, Thomas R.	Fdn		PD/PI	Control of Angiogenesis	03/2011-02/2015	$185,000
Mack, Thomas R.	NSF	PCM 80-12935	PD/PI	Cell Culture Center	12/2012-11/2015	$180,000
Mack, Thomas R.	NIH	1 P01 HL71802-05	Project PI	Subproject 4: Oncogenic Kit Receptor Signaling in vivo	10/2011-09/2015	$165,000
Smith, James P.	None					
Zachary, Andrew	NIH	1 U01 AI28507-01	PD/PI	Human Monoclonal Antibodies as a Therapy for Staphylococcal Enterotoxin	07/2013-06/2018	$200,000
Average Grant Support per Participating Faculty Member						**$282,000**

Table 5A. Publications of Those in Training: Predoctoral

Rationale

This information provides an indicator of the ability of each faculty member to foster trainee productivity through generation of publishable results and allows assessment of the research quality and authorship priority of trainees.

Instructions

For each trainee, list the following:

1) **Faculty Member**. Sort students by faculty member. List each faculty member in the format Last Name, First Name and Middle Initial.
2) **Trainee Name.** List each student in the format Last Name, First Name and Middle Initial.
    - **New applications.** For each participating faculty member in a **new application**, list all publications of representative, previous predoctorates from the last 10 years and **all** current predoctorates. Only include individuals who would have been eligible for appointment to this training program. Exclude individuals undertaking short-term (12 week or less) training experiences with a faculty member.
    - **Renewal/revision applications.** For each participating faculty member in a renewal/revision application, list the publications of all current trainees and those appointed to the grant for up to the past 10 years, with the exception of those appointed to short-term training positions.
3) **Past or Current Trainee.** For each faculty member, list past students first and then current students. Indicate whether each student is past or current. Sort each group by their year of entry into the graduate program.
4) **Training Period.** For past students, indicate the year that each student enrolled in the degree-granting program and the year they completed or left the degree-granting program, in the format YYYY-YYYY. For current students, report the year of enrollment and indicate that training is underway by using the format YYYY-Present.
5) **Publication (Authors, Year, Title, Journal, Volume, Inclusive Pages).** List publications in chronological order, followed by abstract-only publications. List all publications of students resulting from their period of training in the participating faculty member's laboratory or in association with the current training program, through completion of their degree. **Do not list publications resulting from work done prior to entering the training program or arising from research initiated after the completion of the program.** List abstract-only publications **only** if a peer-reviewed publication has not appeared and label these clearly as abstracts. Boldface the student's name in the author list.
    - For students without a publication, indicate "No Publications." Provide one of the following explanatory phrases: new entrant, leave of absence, change of research supervisor, left program, other.

Summarize these data in the body of the application, including, for example, the average number of publications, how many students published as first author, and how many students completed doctoral training without any first-author publication resulting from their graduate research.

Sample Table 5A. Publications of Those in Training: Predoctoral

Faculty Member	Trainee Name	Past or Current Trainee	Training Period	Publication (Authors, Year, Title, Journal, Volume, Inclusive Pages)
Berg, Lawrence P.	Thompson, Patricia P.	Past	1998-2004	Miter, M.H., Owens, R., **Thompson, P.**, and Berg, L., 2004, Insulin Treatment of Diabetic Rats, J Comp Neurol, 373:350-378.
Chu, Jeremy K.	Greenstein, Michael L.	Current	2008-Present	**Greenstein, M.**, and Chu, J., 2010, Sympathetic Noradrenergic Innervation of Drosophila, Genetics185: 1100-1190.
Jones, Janice R.	Brown, Bernice B.	Past	2000-2006	**Brown, B.** and Jones J., 2005, Repeated Sequences in Drosophila, J Mol Biol, 242:503-510. Corman, T., Walker, J.D., and **Brown, B.**, 2006, Ontogeny of Tolerance to Alloantigens, Am J Anat, 146:156-159.
Layback, Sally G.	Wand, Dennis R.	Past	2000-2001	No Publications: Left program
Neustaff, Lorena B.	Smith, Benjamin L.	Current	2011-Present	**Smith, B.** and Neustaff, 2014, Preliminary x-ray crystal structure of beta-adrenergic receptor. Biophysical J., Abstract.
Peters, Mark Q.	Samuels, Janine A.	Current	2010-Present	**Samuels, J.** and Peters M., 2012, Molecular Analysis of RNA Viruses, Molec Biol Cell, 11:12-18.

Table 5B. Publications of Those in Training: Postdoctoral

Rationale

This information provides an indicator of the ability of each faculty member to foster trainee productivity through generation of publishable results and allows assessment of the research quality and authorship priority of trainees.

Instructions

For each trainee, list the following:

1) **Faculty Member**. Sort postdoctorates by faculty member. List each faculty member in the format Last Name, First Name and Middle Initial.
2) **Trainee Name.** List each trainee in the format Last Name, First Name and Middle Initial.
    - **New applications.** For each participating faculty member in a **new** application, list all publications of representative, previous postdoctorates from the last 10 years and **all** current postdoctorates. Only include individuals who would have been eligible for appointment to this training program.
    - **Renewal/revision applications.** For each participating faculty member in a renewal/revision application, list the publications of all current trainees and those appointed to the grant for up to the past 10 years, with the exception of those appointed to short-term training positions.
3) **Past or Current Trainee.** Sort postdoctorates by faculty member. For each faculty member, group past postdoctorates separately from current postdoctorates. Sort each group by their year of entry into postdoctoral training with the faculty member or in association with the program.
4) **Training Period**. Indicate the year that postdoctorates entered into training with the current faculty member or in association with the program and the year they completed or left the training program, in the format YYYY-YYYY. For current postdoctorates, report the year they started the program or began working with the current faculty member and indicate that training is still underway by using the format YYYY-Present.
5) **Publication (Authors, Year, Title, Journal, Volume, Inclusive Pages).** List publications in chronological order followed by abstract-only publications. List all publications of postdoctorates resulting from their period of training in the faculty member's laboratory or in association with the current training program. **Do not list publications resulting from work done prior to joining the training program or arising from research initiated after the completion of the program.** List abstract-only publications **only** if a more complete publication has not appeared and label these clearly as abstracts. Boldface the postdoctorate's name in the author list.
    - For postdoctorates without a publication, indicate "No Publications." Provide one of the following explanatory phrases: new entrant, leave of absence, change of research supervisor, left program, other.

Summarize these data in the Program Plan section of the Research Training Program Plan including, for example, the average number of papers published by postdoctorates, the number as first author, and the number of postdoctorates who completed training without any peer-reviewed publications.

Sample Table 5B. Publications of Those in Training: Postdoctoral

Faculty Member	Trainee Name	Past or Current Trainee	Training Period	Publication (Authors, Year, Title, Journal, Volume, Inclusive Pages)
Berg, Lawrence P.	Thomas, Patrick D.	Past	2003-2006	Miter, M.H., Owens, R., **Thomas, P.**, and Berg, L., 2006, Insulin Deficiency in Diabetic Rats, J. Nutrition, 373:350-378.
Chew, Jason B.	Greenstuff, Marisa P.	Current	2012-Present	**Greenstuff, M.**, and Chew, J., 2014, Non-digestible fibre influences bioavailability of vitamins, J. Pharm Sci. (In press).
Easygai, Franchesca	Taylor, Doris W.	Past	2010-2013	No Publications: Change of Research Supervisor
Newpeeye, Pamela W.	Fall, Winfred	Past	2012-2014	No Publications: Leave of Absence

Table 6A. Applicants, Entrants, and their Characteristics for the Past Five Years: Predoctoral Rationale

These data permit the evaluation of the ability of participating departments/interdepartmental programs to recruit trainees. These data are useful in assessing the selectivity of the admissions process, the competitiveness of the training program, and the appropriate number of training positions to be awarded.

Instructions

Part I. Counts

In **Part I** of this table, list the following counts for each participating department/interdepartmental program for each of the past 5 academic years, beginning with the most recently completed year:

1) **Most Recently Completed Year.** Enter the most recently completed year in the format "Most Recently Completed Year: 2013-2014".
2) **Total Applicant Pool.** Number of individuals who formally applied for training.
3) **Applicants Eligible for Support.** Number of individuals who formally applied for training and were eligible for support from this grant. (In most cases, eligible individuals will be those who are citizens or non-citizen nationals of the U.S. or permanent residents; see the Funding Opportunity Announcement for specific guidance.).
4) **New Entrants to the Program.** Number of new entrants to the department/interdepartmental program.
5) **New Entrants Eligible for Support.** Number of new entrants to the department/interdepartmental program who were eligible for support from this grant.
6) **New Entrants Appointed to this Grant (Renewal/Revision Applications Only).** Number of new entrants appointed to this grant. (If this is not a Renewal/Revision application, do not include this column).

Do not include students admitted solely to obtain master's degrees. If only one department or interdepartmental program is participating in the proposed training program, enter the overall total <u>only</u> for each year.

For each additional year, enter the prior year in the format "Previous Year: 2012-2013 until all five academic years are completed, and complete the sections as described above. In the final section of **Part I**, provide the mean count for each column.

Part II. Characteristics

In **Part II** of the table, provide the following information about the characteristics of entrants and applicants, for each of the past 5 academic years, beginning with the most recently completed year:

1) **Mean Months of Prior, Full-Time Research Experience (range).** For each category of entrants as defined in Part I, items 2-6, enter the mean number of months of prior, full-time research experience and range. For many individuals, this value will reflect months of summer research experience or full-time research experience following college. For those with part-time, academic-year research experience for academic credit, convert the part-time experience to full time for reporting here (e.g., 15 hours/week for 8 months = 3 months). Do not include labs associated with a course (e.g. organic chemistry course with lab).
2) **Prior Institutions**. For each category of entrants as defined in Part I, items 2-6, enter the names of their prior institutions. For predoctorates, this will be their bachelor's-degree granting institutions. If more than one entrant has the same prior institution, list the institution only once, followed by the number of entrants in parentheses.
3) **Percent with a Disability** For each category of entrants as defined in Part I, items 2-6, enter the percent of individuals with disabilities, defined as those with a physical or mental impairment that substantially limits one or more major life activities.
4) **Percent from Underrepresented Racial & Ethnic Groups.** For each category of entrants as defined in Part I, items 2-6, enter the percent of individuals from racial and ethnic groups that have been shown by the National Science Foundation to be underrepresented in biomedical research on a national basis (i.e., African Americans, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and other Pacific Islanders).
5) **Mean GPA (range).** For each category of applicants and entrants as defined in Part I, item 2) to item 6), enter the mean GPA and range, using a 4.0 scale.

For each additional year, enter the prior year in the format “Previous Year: 2012-2013 until all five years are completed, and complete the sections as described above. In the final section of **Part II**, provide the mean values for all years of support.

Summarize these data in the Program Plan (Trainee Candidate Section) of the Research Training Program Plan. Analyze the data in terms of the overall numbers of potential trainees, their credentials, characteristics, and eligibility for support, and enrollment trends.

Sample Table 6A. Applicants, Entrants, and Their Characteristics for the Past Five Years: Predoctoral

Part I. Counts

Most Recently Completed Year: 2013-2014	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Department of Biochemistry	45	30	6	3	2
Department of Molecular & Cell Biology	30	19	5	4	3
Program in Systems Biology	12	9	5	5	4
Total	**87**	**58**	**16**	**12**	**9**

Previous Year: 2012-2013	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Department of Biochemistry	50	35	8	4	3
Department of Molecular & Cell Biology	30	20	8	5	3
Program in Systems Biology	15	10	5	5	4
Total	**95**	**65**	**21**	**14**	**10**

Previous Year: 2011-2012	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Department of Biochemistry	65	40	10	5	6
Department of Molecular & Cell Biology	35	20	7	4	4
Program in Systems Biology	10	8	6	5	2
Total	**110**	**68**	**23**	**14**	**12**

Previous Year: 2010-2011	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Department of Biochemistry	52	30	7	7	5

Previous Year: 2010-2011	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Department of Molecular & Cell Biology	35	21	9	4	3
Program in Systems Biology	12	10	5	5	3
Total	**99**	**61**	**21**	**16**	**11**

Previous Year: 2009-2010	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Department of Biochemistry	40	23	4	3	2
Department of Molecular & Cell Biology	30	18	6	4	3
Program in Systems Biology	12	10	5	4	3
Total	**82**	**51**	**15**	**11**	**8**

Total All Years	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Count Across Years	**95**	**61**	**19**	**13**	**10**

Part II. Characteristics

Most Recent Program Year: 2013-2014	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Months of Prior, Full-Time Research Experience (range)			7.5 (3-24)	8.0 (3-24)	10.0 (3-24)
Prior Institutions			Cornell Univ. (3) Univ. of Virginia Univ. of Utah (3) Ohio State (5) U. Arkansas (4)	Cornell Univ. (2) Univ. of Virginia Univ. of Utah (2) Ohio State (3) U. Arkansas (4)	Cornell Univ. Univ. of Utah (2) Ohio State (3) U. Arkansas (3)
Percent with a Disability			0%	0%	0%
Percent from Underrepresented Racial & Ethnic Groups			19%	25%	22%
Mean GPA (range)	3.4 (2.9-4.0)	3.5 (3.0-4.0)	3.6 (3.3-4.0)	3.7 (3.3-4.0)	3.7 (3.4-4.0)

Previous Year: 2012-2013	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Months of Prior, Full-Time Research Experience (range)			7.4 (3-24)	8.0 (3-24)	9.5 (3-24)
Prior Institutions			Georgetown (3) Univ. of Utah (3) UNC (6) UCSD (5) Boston U (4)	Georgetown (3) Univ. of Utah (2) UNC (3) UCSD (4) Boston U (2)	Georgetown (3) UNC (2) UCSD (3) Boston U (2)
Percent with a Disability			0%	0%	0%
Percent from Underrepresented Racial & Ethnic Groups			15%	20%	18%
Mean GPA (range)	3.3 (2.7-4.0)	3.5 (3.0-4.0)	3.6 (3.3-4.0)	3.7 (3.4-4.0)	3.7 (3.4-4.0)

Previous Year: 2011-2012	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Months of Prior, Full-Time Research Experience (range)			8.0 (3-24)	8.0 (3-24)	11.0 (3-24)
Prior Institutions			Cornell Univ. (5) Univ. of Utah (3) NYU (5) Boston U (4) Oregon State (6)	Cornell Univ. (2) Univ. of Utah NYU (3) Boston U (3) Oregon State (5)	Cornell Univ. (2) Univ. of Utah NYU (3) Boston U (3) Oregon State (3)
Percent with a Disability			0%	0%	0%
Percent from Underrepresented Racial & Ethnic Groups			20%	26%	24%
Mean GPA (range)	3.4 (2.8-4.0)	3.5 (3.0-4.0)	3.7 (3.4-4.0)	3.7 (3.4-4.0)	3.7 (3.4-4.0)

Previous Year: 2010-2011	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Months of Prior, Full-Time Research Experience (range)			7.5 (3-24)	8.0 (3-24)	10.0 (3-24)
Prior Institutions			Georgetown (4) Univ. of Utah (4) UNC (5) Oregon State (4) Boston U (4)	Georgetown (4) Univ. of Utah (4) UNC (5) Oregon State (3)	Georgetown (2) Univ. of Utah (3) UNC (4) Oregon State (2)
Percent with a Disability			0%	0%	0%
Percent from Underrepresented Racial & Ethnic Groups			18%	22%	20%
Mean GPA (range)	3.4 (2.9-4.0)	3.5 (3.0-4.0)	3.6 (3.3-4.0)	3.7 (3.3-4.0)	3.7 (3.4-4.0)

Previous Year: 2009-2010	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Months of Prior, Full-Time Research Experience (range)			7.4 (3-24)	8.0 (3-24)	9.5 (3-24)
Prior Institutions			Cornell Univ. (4) Univ. of Virginia Univ. of Utah (3) U. Vermont (3) Boston U (4)	Cornell Univ. (3) Univ. of Virginia Univ. of Utah (3) U. Vermont (2) Boston U (2)	Cornell Univ. (3) Univ. of Virginia Univ. of Utah (2) U. Vermont Boston U
Percent with a Disability			0%	0%	0%
Percent from Underrepresented Racial & Ethnic Groups			15%	20%	19%
Mean GPA (range)	3.3 (2.7-4.0)	3.5 (3.0-4.0)	3.6 (3.3-4.0)	3.7 (3.4-4.0)	3.7 (3.4-4.0)

Means Across All Years	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Months of Prior, Full-Time Research Experience			7.6	8.0	10.0
Percent with a Disability			0%	0%	0%
Percent from Underrepresented Racial & Ethnic Groups			17%	23%	21%
Mean GPA	3.4	3.5	3.6	3.7	3.7

Table 6B. Applicants, Entrants, and Their Characteristics for the Past Five Years: Postdoctoral

Rationale

These data permit the evaluation of the ability of participating departments/interdepartmental programs to recruit trainees. These data are useful in assessing the selectivity of the admissions process, the competitiveness of the training program, and the appropriate number of training positions to be awarded.

Instructions

Part I. Counts

In **Part I** of this table, list the following counts for each participating department/interdepartmental program and for each major degree type (i.e., PhDs, MDs, Dual Degree Holders, including individuals holding the MD/PhD, DDS/PhD, DVM/PhD, or other dual degrees, and Other Degree Holders) for each of the past 5 years. Depending on the grant cycle, users may choose to report by academic or grant year, but should always begin with the most recently completed year.

1) **Most Recently Completed Year.** Enter the most recently completed year in the format "Most Recently Completed Year: 2013-2014"
2) **Total Applicant Pool.** Number of individuals who formally applied for training
3) **Applicants Eligible for Support.** Number of individuals who formally applied for training and were eligible for support from this grant (In most cases, eligible individuals will be those who are citizens or non-citizen nationals of the U.S. or permanent residents; see the Funding Opportunity Announcement for specific guidance.).
4) **New Entrants to the Program.** Number of new entrants to the department/interdepartmental program)
5) **New Entrants Eligible for Support.** Number of new entrants to the department/interdepartmental program who were eligible for support from this grant
6) **New Entrants Appointed to this Grant (Renewal/Revision Applications Only)**. Number of new entrants appointed to this grant (If this is not a Renewal/Revision application, do not include this column.)

Include only those postdoctoral applicants who could be considered candidates for the proposed training program.

Summarize these data in the Program Plan (Trainee Candidate Section) of the Research Training Program Plan. Analyze the data in terms of the overall numbers of potential trainees, their sources, their credentials and eligibility for support, and enrollment trends. The narrative should clearly describe the recruitment process for postdoctoral trainees (e.g., whether candidates are selected from individuals in the laboratories of proposed faculty members or whether there is a formal application process to the training program).

For each additional year, enter the prior year in the format "Previous Year: 2012-2013" until all five years are completed, and complete the sections as described above. In the final section of **Part I**, provide the mean count for each column.

Part II. Characteristics

In **Part II** of the table, provide the following information about the characteristics of entrants and applicants, for each of the past 5 years (e.g., academic or grant years), beginning with the most recently completed year:

1) **Mean Number of Publications (range).** For each category of applicants and entrants as defined in Part I, items 2-6, enter the mean number of publications calculated to one decimal place (e.g., 2.5) and range (e.g., 0-6), at the time of application to the program.
2) **Mean Number of First-Author Publications (range).** For each category of applicants and entrants as defined in Part I items 2-6, enter the mean number (calculated to one decimal place) and range of first-author publications at the time of application to the program.
3) **Prior Institutions.** For each category of entrants as defined in Part I, items 4-6, enter the names of their prior institutions. For postdoctorates, this will be the names of their doctoral degree-granting institutions. If more than one entrant has the same prior institution, list the institution only once, followed by the number of entrants in parentheses.
4) **Percent with a Disability.** For each category of entrants as defined in Part I, items 4-6, enter the percent of individuals with disabilities, defined as those with a physical or mental impairment that substantially limits one or more major life activities.
5) **Percent from Underrepresented Racial and Ethnic Groups.** For each category of entrants as defined in Part I, item 4) to item 6), enter the percent of individuals from racial and ethnic groups that have been shown by the National Science Foundation to be underrepresented in biomedical research on a national basis (i.e., African Americans, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and other Pacific Islanders).

For each additional year, enter the prior year in the format “Previous Year: 2012-2013” until all five years are completed, and complete the sections as described above. In the final section of **Part II**, provide the mean values for all years of support.

Summarize these data in the Program Plan (Trainee Candidate Section) of the Research Training Program Plan. Analyze the data in terms of the overall numbers of potential trainees, their credentials, characteristics, and eligibility for support, and enrollment trends.

Sample Table 6B. Applicants, Entrants, and Their Characteristics for the Past Five Years: Postdoctoral

Part I. Counts

Most Recently Completed Year: 2013-2014	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
PhDs	25	15	6	5	4
MDs	4	1	0	0	0
Dual-Degree Holders	3	3	2	2	2
Other Degree Holders	0	0	0	0	0
Total	**32**	**19**	**8**	**7**	**6**

Previous Year: 2012-2013	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
PhDs	23	10	5	4	3
MDs	5	2	1	1	1
Dual-Degree Holders	3	3	3	3	3
Other Degree Holders	0	0	0	0	0
Total	**31**	**15**	**9**	**8**	**7**

Previous Year: 2011-2012	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
PhDs	28	18	8	6	4
MDs	4	2	1	1	1
Dual-Degree Holders	2	2	2	2	2
Other Degree Holders	0	0	0	0	0
Total	**34**	**22**	**11**	**9**	**7**

Previous Year: 2010-2011	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
PhDs	20	12	7	7	6
MDs	4	1	0	0	0
Dual-Degree Holders	3	3	2	2	2
Other Degree Holders	0	0	0	0	0
Total	**27**	**16**	**9**	**9**	**8**

Previous Year: 2009-2010	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant Renewal/Revision Applications Only)
PhDs	25	16	8	6	5
MDs	3	1	0	0	0
Dual-Degree Holders	1	1	1	1	1
Other Degree Holders	0	0	0	0	0
Total	**29**	**18**	**9**	**7**	**6**

Means Across All Years	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
PhDs	24	14	7	6	4
MDs	4	1	0	0	0
Dual-Degree Holders	2	2	2	2	2
Other Degree Holders	0	0	0	0	0
Total	**30**	**17**	**9**	**8**	**6**

Part II. Characteristics

Most Recently Completed Year: 2013-2014	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Number of Publications (range)	3.5 (1-9)	4.0 (1-9)	4.0 (1-9)	4.0 (1-7)	4.0 (3-7)
Mean Number of First-Author Publications (range)	2.0 (1-3)	2.4 (2-3)	2.5 (2-3)	2.5 (2-3)	2.0 (2-3)
Prior Institutions			New York Univ. Boston Univ.(4) Univ. of Iowa (3)	Boston Univ. (4) Univ. of Iowa (3)	Boston Univ. (3) Univ. of Iowa (3)
Percent with a Disability			10%	—	—
Percent from Underrepresented Racial & Ethnic Groups			33%	50%	50%

Previous Year: 2012-2013	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Number of Publications (range)	3.4 (1-8)	3.8 (1-8)	3.8 (1-8)	3.9 (2-8)	3.9 (2-8)
Mean Number of First-Author Publications (range)	1.8 (1-3)	2.0 (1-3)	2.1 (1-3)	2.2 (1-3)	2.2 (1-3)
Prior Institutions			U. Vermont (3) Ohio State (4) U. Arkansas UCSD	U. Vermont (3) Ohio State (3) U. Arkansas UCSD	U. Vermont (3) Ohio State (4) U. Arkansas
Percent with a Disability			0%	—	—
Percent from Underrepresented Racial & Ethnic Groups			20%	33%	33%

Previous Year: 2011-2012	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Number of Publications (range)	3.6 (1-9)	3.8 (1-9)	3.8 (2-9)	3.9 (2-9)	3.9 (2-9)
Mean Number of First-Author Publications (range)	1.7 (1-3)	1.8 (1-3)	1.9 (1-3)	1.9 (1-3)	1.9 (1-3)
Prior Institutions			Georgetown (3) Ohio State (2) U. Arkansas (2) U. Utah (4)	Georgetown (3) Ohio State (2) U. Arkansas U. Utah (3)	Georgetown (2) Ohio State (2) U. Arkansas U. Utah (2)
Percent with a Disability			0%	—	—
Percent from Underrepresented Racial & Ethnic Groups			25%	25%	25%

Previous Year: 2010-2011	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Number of Publications (range)	3.5 (1-9)	4.0 (1-9)	4.0 (1-9)	4.0 (2-9)	4.0 (3-8)
Mean Number of First-Author Publications (range)	2.0 (1-3)	2.4 (2-3)	2.5 (2-3)	2.5 (2-3)	2.5 (2-3)
Prior Institutions			Georgetown (3) Ohio State (2) U. Nevada (2) UNC (2)	Georgetown (3) Ohio State U. Nevada (2) UNC	Georgetown (2) Ohio State U. Nevada (2) UNC
Percent with a Disability			33%	33%	33%
Percent from Underrepresented Racial & Ethnic Groups			33%	33%	33%

Previous Year: 2009-2010	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Number of Publications (range)	3.2 (1-7)	3.5 (1-7)	3.6 (2-7)	3.6 (2-7)	3.7 (3-7)
Mean Number of First-Author Publications (range)	2.0 (1-3)	2.3 (1-3)	2.4 (1-3)	2.4 (1-3)	2.5 (1-3)
Prior Institutions			U. Vermont (3) Ohio State (4) U. Arkansas UCSD	U. Vermont (2) Ohio State (3) U. Arkansas UCSD	U. Vermont (2) Ohio State (3) U. Arkansas
Percent with a Disability			0%	—	—
Percent from Underrepresented Racial & Ethnic Groups			20%	33%	33%

Means Across All Years	Total Applicant Pool	Applicants Eligible for Support	New Entrants to the Program	New Entrants Eligible for Support	New Entrants Appointed to this Grant (Renewal/Revision Applications Only)
Mean Number of Publications	3.4	3.8	3.8	3.9	3.9
Mean Number of First-Author Publications	1.9	2.2	2.3	2.3	2.2
Percent with a Disability			0%	0%	0%
Percent from Underrepresented Racial & Ethnic Groups			25%	35%	35%

Table 8A. Program Outcomes: Predoctoral
Rationale

For new applications, this table provides information on the effectiveness of the proposed training program.

For renewal applications, this table provides information about the use of predoctoral training positions (e.g., distribution by faculty member, year in program, years of support per trainee). The data also permit an evaluation of the effectiveness of the supported training program in achieving the training objectives of the prior award period(s) for up to 15 years.

Instructions

Part I. Those Appointed to the Training Grant

In **Part I**, list sequentially, by year of entry into the graduate program, all trainees who have been supported by this grant at any time during the last 15 grant years, including those who did not complete the training program for any reason. If the grant has been active for less than 15 years, list all trainees to date. For training grants with awarded short-term training positions, do not include short-term trainees in this table.

For each trainee, provide:

1) **Trainee.** Provide the Trainee name in the format Last Name, First Name and, Middle Initial.
2) **Faculty Member.** In the format of Last Name, First Name and Middle Initial., provide up to two primary research training faculty acting as mentors (for trainees, these will be training grant faculty). If not yet selected, indicate “TBD” (to be determined).
3) **Start Date.** Provide the calendar month and year of entry into the current degree-granting program in the format MM/YYYY.
4) **Summary of Support During Training.** Provide the primary source and type of support during each twelve-month period of training, using TY1 for Training Year 1, TY2 for Training Year 2, etc. For NIH and other HHS support, list the awarding component and the activity (e.g., CA R01). Bold the grant being reported in this application. For other sources and types of support, use the categories below, and report only the primary source and type of support for each twelve-month period of training.

   <u>Sources of Support:</u>

   - NSF
   - Other Federal (Other Fed)
   - University (Univ)
   - Foundation (Fdn)
   - Non-US (Non-US)
   - Other (Other)

   <u>Types of Support</u>

   - Research assistantship (RA)
   - Teaching assistantship (TA)
   - Fellowship (F)
   - Training Grant (TG)
   - Scholarship (S)
   - Other

5) **Terminal Degree(s) received and Year(s).** If applicable, list the terminal degree(s) received and year(s) awarded. Trainees currently in the program should be designated "in training;" for those who left the graduate program without a degree, report "none."

6) **Topic of Research Project.** Enter the topic of the research project.

7) **Initial Position, Department, Institution, Activity; and Current Position, Department, Institution, Activity.** For trainees who completed or left the graduate program, provide their initial and current positions, departments, and institutions. If individuals hold joint appointments/positions, list only the primary position. If information is not available, report "unknown." Classify each position as predominantly Research-intensive, Research-related, Further Training, or Other. Research-related positions generally require a doctoral degree, and may include activities such as teaching, administering research or higher education programs, science policy, or technology transfer.

8) **Subsequent Grant(s)/Role/Year Awarded**. If applicable, list subsequent fellowship, career development, or research grant support obtained from any source, whether as PD/PI or in another senior role (i.e., co-investigator, faculty collaborator, or staff scientist) after the individual completed training. For NIH and other HHS support, list the awarding component, activity, role, and year (e.g., GM R01/Staff Scientist/2011). Up to five grants may be listed.

Part II. Those Clearly Associated with the Training Grant

In **Part II**, list any **current** graduate students clearly associated with this grant who have been supported by NIH and other HHS funds but not by this grant, and provide the information described in Part I, items 1-8, above, for each student. "Clearly associated" students are those with a training experience identical to those appointed to this grant, but who are supported by other NIH or HHS awards (e.g., fellowships or research grants).

Part III. Recent Graduates

In **Part III** (**only for new applications and postdoctoral renewal/revision applications requesting an expansion to predoctoral support)**, list sequentially all students **graduating** from the proposed program in the last five years who would have been eligible for appointment, if an NIH or other HHS training or related award were available (in most cases, these will be U.S. citizens or permanent residents). For each student, provide the information described in Part I, items 1-3 and 5-8, above.

Summarize the data from Parts I-III (as applicable) in the Research Training Program Plan, either in the Program Plan Section or the Progress Report Section, as appropriate.

For Research Performance Progress Reports (RPPRs), provide updated trainee information in Part I, reflecting new appointments and other changes over the reporting period. Do not include data older than 15 years. In Part II, provide updated information on clearly associated students, reflecting new entrants and other changes over the reporting period. In each subsequent year, continue to add new entrants and provide updated information about current and past clearly associated students until 15 years of data have been completed; do not include data older than 15 years.

Part IV. Program Statistics

In **Part IV**, report: 1) the percentage of trainees entering 10 years ago and receiving support from this training grant at some point during graduate school who received PhDs or equivalent research doctoral degrees, and 2) the average time to degree for all trainees appointed to this training grant completing PhDs in the last ten years, calculated to one decimal place (e.g., 5.5 years), excluding any officially-approved leaves of absence. Programs that have not received support for at least 10 years should not include the first section of the table the (i.e., the percentage of trainees completing their degrees within 10 years). New programs that have not yet had any trainees complete the PhD should not include this table at all.

In calculating these program statistics, students leaving graduate school to transfer to medical school or other doctoral-level professional programs should be counted as part of the entering pool, but not as having earned a PhD-equivalent degree. Individuals transferring to or from PhD programs in similar fields at other institutions should be excluded from both the entering and graduating cohorts in calculating completion and time to degree.

Time to degree should be calculated as the period from enrollment in a doctoral degree program at the reporting institution to the conferral of a PhD or, in the case of dual-degree programs, both degrees, less any officially-approved leaves of absence. If a student earns a master's degree from the reporting institution prior to and in conjunction with fulfilling the requirements for the research doctoral degree, or an additional doctoral degree as part of a dual-degree program (e.g., MD/PhD, DDS/PhD), time to degree should be calculated from entry into the first degree program.

For RPPRs, summarize these data in the Accomplishments Section, in responding to the question, “What opportunities for training and professional development has the project provided?”

Sample Table 8A. Program Outcomes: Predoctoral

Part I. Those Appointed to the Training Grant

Trainee	Faculty Member	Start Date	Summary of Support During Training	Terminal Degree(s) Received and Year(s)	Topic of Research Project	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/ Role/Year Awarded
Cox, Charles C.	Doe, John Smith, Jerry	09/1998	TY 1: **HL T32** TY 2: **HL T32** TY 3: HL F30 TY 4: HL F30 TY 5: HL F30 TY 6: Fdn RA	MD 2003 PhD 2003	The role of Notch in blood vessel maturation	Resident Internal Medicine Emory University Further Training	Assistant Professor Hematology Rutgers University Research-Related	HL K23/PI/2011 HL P01/Co-I/2014
Johnson, Gina R.	Doe, John	09/1998	TY 1: NSF F TY 2: NSF F TY 3: NSF F TY 4: **HL T32** TY 5: **HL T32** TY 6: GM R01	PhD 2003	Interactions between circadian rhythms, sleep & metabolism	Postdoctoral Fellow Molecular Biology UC San Francisco Further Training	Research Associate Molecular Biology UC San Francisco Research-Intensive	HL F32/PI/2005 GM R01/Staff Scientist/2011
Phelps, Ryan	Vasquez, Richard	09/1999	**T**Y 1: **HL T32** TY 2: **HL T32**	MS 2001	Viral infections	Laboratory Technician Parke-Davis Research-Intensive	Laboratory Manager Pfizer Research-Related	

Part II. Those Clearly Associated with the Training Grant

Trainee	Faculty Member	Start Date	Summary of Support During Training	Terminal Degree(s) Received and Year(s)	Topic of Research Project	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/ Role/Year Awarded
Robinson, Brian	Smith, Jerry	09/2010	TY 1: Univ S TY 2: CA R01 TY 3: CA R01 TY 4: Fdn F	In Training	Reconstitution of Tumor suppressor function			
O'Leary, Ann L.	Coates, Robert	09/2008	TY 1: GM T32 TY 2: GM T32 TY 3: CA T32 TY 4: CA F31 TY 5: CA F31	PhD 2013	Genetic Cancer Biomarkers	Postdoctoral Fellow Molecular Biology UCLA Research Intensive		

Part III. Recent Graduates (Only for New Applications and for Postdoctoral Renewal/Revision Applications Requesting an Expansion for Predoctoral support)

Trainee	Faculty Member	Start Date	Summary of Support During Training	Terminal Degree(s) Received and Year(s)	Topic of Research Project	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/ Role/Year Awarded
Moore, Thomas P.	Trimmer, Sean R.	09/2007		PhD 2013	Src Kinase and Breast Cancer	Postdoctoral Fellow Medicine Boston University Further Training	Postdoctoral Fellow Medicine Boston University Further Training	
Rosenthal, Julia R.	Coates, Robert	09/2009		PhD 2014	Modulation of host cellular responses	Medical Student Medicine Northwestern University Further Training	Medical Student Medicine Northwestern University Further Training	

Part IV. Program Statistics

Percentage of Trainees Entering Graduate School 10 Years Ago Who Completed the PhD	Average Time to PhD for Trainees in the Last 10 Years (not including leaves of absence)
50.2%	6.5 years

Table 8C. Program Outcomes: Postdoctoral
Rationale

For new applications, this table provides information on the effectiveness of the proposed training program.

For renewal applications, this table provides detailed information about how postdoctoral training positions are used (i.e., distribution by year in program, distribution by faculty member, years of support per trainee). The data also permit an evaluation of the effectiveness of the supported training program in achieving the training objectives of the prior award period(s) for up to 15 years.

Instructions

Part I. Those Appointed to the Training Grant

In **Part I**, list sequentially, by year of entry into the postdoctoral research training program, all trainees who have been supported by this grant at any time during the last 15 years, including those who did not complete the training program for any reason. If the grant has been active for less than 15 years, list all trainees to date.

For each trainee, provide:

1) **Trainee.** Provide the trainee name in the format Last Name, First Name and Middle Initial.
2) **Doctoral Degree(s) and Year(s).** Provide the trainee's doctoral degree(s) and the year(s) awarded.
3) **Faculty Member.** In the format of Last Name, First Name and Middle Initial., provide up to two primary research training faculty acting as mentors (for trainees, these will be training grant faculty). If not yet selected, indicate "TBD" (to be determined).
4) **Start Date.** Provide the calendar month and year of entry into postdoctoral research program in the format MM/YYYY. The entering year is the first year of postdoctoral research experience, excluding non-research clinical training (for trainees, this date may precede the appointment to the training grant).
5) **Summary of Support During Training.** Provide the primary source and type of support during each twelve-month period of training, using TY1 for Training Year 1, TY2 for Training Year 2, etc. Do not list individual mentored career development awards here; they will be captured under grant support obtained as a PD/PI. For NIH support, list the awarding component and the activity (e.g., CA R01). Bold the grant being reported in this application. For other sources and types of support, use the categories below, and report only the primary source and type of support for each training year.

   <u>Sources of Support</u>

   - Research grant (RG)
   - Fellowship (F)
   - Training Grant (TG)
   - Other

   <u>Types of Support</u>

   - NSF
   - Other Federal (Other Fed)
   - University (Univ)
   - Foundation (Fdn)
   - Non-US

- Other

6) **Degree(s) resulting from Postdoctoral training and Year(s).** If applicable, provide any degrees resulting from the postdoctoral training and the year awarded. If the training program does not offer degrees, indicate “none.” Trainees currently in the program should be designated “in training.”

7) **Topic of Research Project.** Provide the topic of the research project.

8) **Initial Position, Department, Institution, Activity; and Current Position, Department, Institution, Activity.** For trainees who have completed or left the program, their initial and current positions, department, and institution. If individuals hold joint appointments/positions, list only the primary position. If information is not available, report “unknown.” Classify each position as predominantly Research-intensive, Research-related, Further Training, or Other. Research-related positions generally require a doctoral degree, and may include activities such as teaching, administering research or higher education programs, science policy, or technology transfer.

9) **Subsequent Grant(s)/Role/Year Awarded.** If applicable, subsequent fellowship, career development or research grant support obtained from any source, whether as PD/PI or in another senior role (i.e., co-investigator, faculty collaborator, or staff scientist). For NIH and other HHS support, list the awarding component, activity, role, and year (e.g., GM R01/Staff Scientist/2011). Up to five grants may be listed.

Part II. Those Clearly Associated with the Training Grant

In Part II, if applicable, list any **current** postdoctorates clearly associated with the training grant who have been supported by NIH funds other than this training grant, and provide the information described in Part I, items 1-9, above, for each. “Clearly associated” postdoctorates are those with a training experience identical to those appointed to this training grant, but who are supported by other forms of NIH or HHS funding (e.g., fellowships or research grants). Note that, for some postdoctoral programs, Part II may not be applicable.

Part III. Recent Graduates

In **Part III** (**only for new applications and predoctoral renewal/revision applications requesting an expansion to postdoctoral support)**, list sequentially all postdoctorates **completing** the proposed program in the last five years who would have been eligible for appointment, if an NIH training or related award were available (in most cases, these will be U.S. citizens or permanent residents).
For each postdoctorate, provide the information described in Part I, items 1-4 and 6-9, above.

Summarize the data from Parts I-III (as applicable) in the Background Section of the Research Training Program Plan.

For RPPRs, provide updated trainee information in Part I, reflecting new appointments and other changes over the reporting period. Do not include data that are older than 15 years. In Part II, if applicable, provide updated information on clearly associated postdoctorates, reflecting new entrants and other changes over the reporting period. In each subsequent year, continue to add new entrants and provide updated information about current and past postdoctorates until 15 years of data have been completed; do not include data older than 15 years.

Summarize these data in the RPPR, in the Accomplishments Section, in responding to the question, “What opportunities for training and professional development has the project provided?”

Sample Table 8C. Program Outcomes: Postdoctoral

Part I. Those Appointed to the Training Grant

Trainee	Doctoral Degree(s) and Year(s)	Faculty Member	Start Date	Summary of Support During Training	Degree(s) Resulting from Post-doctoral Training and Year(s)	Topic of Research Project	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/Role/ Year Awarded
Sanchez, Gregory B.	PhD 2007	Brown, James	07/2007	TY 1: **HL T32** TY 2: **HL T32** TY 3: CA R01 TY 4: CA R01	None	Uterine cancer and developmental biology	Staff Scientist Radiology MGH Research-Intensive	Assistant Professor Radiology University of Arizona Research-Intensive	CA K99/PI/2011 CA R00/PI/2013
Cox, Jennifer H.	MD 2003 PhD 2003	Doe, John	08/2008	TY 1**: HL T32** TY 2: **HL T32**	MPH 2009	Molecular and functional dissection of hematopoietic stem cell niche	Instructor Internal Medicine Columbia Research-Related	Associate Professor Hematology Rutgers Research-Intensive	DK K08/PI/2011 DK R01/ Faculty Collaborator/2013

Part II. Those Clearly Associated with the Training Grant

Trainee	Doctoral Degree(s) and Year(s)	Faculty Member	Start Date	Summary of Support During Training	Degree(s) Resulting from Post-doctoral Training and Year(s)	Topic of Research Project	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/Role/ Year Awarded
McInnes, Julie	MD 2004	Welte, Duncan	07/2009	TY 1: **HD K12** TY 2**: HD K12**	MPH 2011	Maternal Depression related to hospitalization in a Neonatal Intensive Care Unit	Assistant Professor Pediatrics Yale Research-Related	Associate Professor Pediatrics Yale Research-Intensive	HS R01/PI/2013

Part III. Recent Graduates (Only For New Applications and Predoctoral Renewal/Revision Applications Requesting Postdoctoral Support)

Trainee	Doctoral Degree(s) and Year(s)	Faculty Member	Start Date	Summary of Support During Training	Degree(s) Resulting from Post-doctoral Training and Year(s)	Topic of Research Project	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/Role/ Year Awarded
Roosevelt, Albert S.	PhD 2006	McIver, Rosalie	01/2007		None	Estrogen receptors and ovarian cancer	Assistant Professor Biology University of Colorado Research-Intensive	Assistant Professor Biology University of Colorado Research-Intensive	CA R21/PI/2013
Taylor, Susanna G.	PhD 2005 MD 2007	Welte, Duncan	07/2008		None	New inhibitors for cancer imaging	Staff Scientist Radiology Massachusetts General Hospital Research-Intensive	Staff Scientist Radiology Massachusetts General Hospital Research-Intensive	NSF/PI/2014