APPENDIX B2

IGERT Monitoring System Crosswalk: Trainee

DATA ELEMENTS OF THE INTEGRATIVE GRADUATE EDUCATION AND RESEARCH TRAINEESHIP PROGRAM MONITORING SYSTEM (IGERT): TRAINEE

New Items	Question / Common Collection Categories	Staff and Project Participant Characteristics[1]	Project Implementation Characteristics[2]	Project Outputs[3]
	1. About You			

	Contact Information:
	    Name: (First, Middle Initial, Last, Maiden)
	    Department at Institution
	    Address at Institution
	    Institution City
	    Institution State
	    Zip Code
	    Phone
	    Extension
	    Fax
	    E-mail Address
	    Web URL
		X		

X	State or Country of Birth	X		
	Ethnicity (Choose one) • Hispanic or Latino • Not Hispanic or Latino • Not Reported	X		
	Race (Choose one or more) • American Indian or Alaska Native • Asian • Black or African American • Native Hawaiian or Other Pacific Islander • White • Not Reported	X		
	Gender (Choose one) • Male • Female • Not reported	X		
	Disability Status (Choose one or more responses) • Hearing Impairment • Visual Impairment • Mobility/Orthopedic Impairment • Other • None • Not reported	X		
	Citizenship (Choose one): • U.S. Citizen/U.S. National • U.S. Permanent Resident • Other Non-U.S. Citizen • Not Reported	X		
X	Permanent residents only provide:	X		

New Items	Question / Common Collection Categories	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	Common Collection Categories			
	Permanent Resident Alien Status Granted (mm/yyyy)			
X	Major [Respondent chooses from the list of academic disciplines shown in the endnotes][4]	X		
X	Degree Sought • Master of Arts (MA) • Master of Science (MS) • Doctorate (PhD) • Professional Degree (MD, JD etc) • Other	X		
X	Brief description of your research interest/topic (not program specific) (word limit: 1000) [Textbox]		X	
X	Does your research involve any of the following (Mark all that apply) • Bioinformatics • Biological evolution and development • Biotechnology • Civil infrastructure monitoring and improvement • Climate change: impacts and factors • Computational science and engineering • Device development • Energy: alternate and renewable resources and conservation • Entrepreneurialism • Human, social and community sciences • Imaging • Materials science and engineering • Nanoscience: engineering and technology • Neuroscience: biology and psychology • Sensing, signals and signal processing • Sustainability: ecology and the environment • Water resources: conservation, utilization and quality		X	
	Current IGERT Advisor(s) (Mark all that apply) [Checkbox for each IGERT advisor as entered via PI survey]		X	
X	How Involved Was Your Advisor in Programmatic Activities • Not involved • Somewhat involved • Involved • Regularly involved		X	
	Expected Graduation Date (mm/yyyy)	X		

New Items	Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	Common Collection Categories			
	If expected to graduate within one year, what type of employment are you pursuing? *[mark all that apply]* Government • Postdoc • Full-time position • Part-time position Industry/Business • Postdoc • Full-time position • Part-time position Educational Institution (college, university, or K-12) • Postdoc • Tenure track faculty • Non-tenure track faculty • Staff Nonprofit • Postdoc • Full-time position • Part-time position Self-Employed/Entrepreneur			X
X	If expected to graduate within one year, what type of employment would you most prefer? *[mark one]* Government • Postdoc • Full-time position • Part-time position Industry/Business • Postdoc • Full-time position • Part-time position Educational Institution (college, university, or K-12) • Postdoc • Tenure track faculty • Non-tenure track faculty • Staff Nonprofit • Postdoc • Full-time position • Part-time position Self-Employed/Entrepreneur			X
	Permanent Contact Information (voluntary):			
	Social Security Number	X		
	Student's personal e-mail address	X		
	Contact Information of someone who will know how to reach student in three years: Name Relationship to you Address	X		

New Items	Question	Common Collection Categories		
		Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	City State ZIP code Country Phone Phone extension E-mail address			
	2. Your Background			
	Academic/Professional Background Prior to IGERT Traineeship:			
X	Name of high school/secondary school/institution from which you graduated/received a diploma	X		
X	Location of High School (City, State or Country, and Zip or Postal code)	X		
X	School type (select one) • Public • Private • Other (please specify): _____	X		
	Undergraduate Degree Prior to IGERT Traineeship:			
	Undergraduate Major [Respondent chooses from the list of academic disciplines shown in the endnotes]	X		
	Double Major	X		
	Undergraduate Institution	X		
	Undergraduate Institution City	X		
	Undergraduate Institution State	X		
	When did you receive your first undergraduate degree? (yyyy)	X		
X	Undergraduate Degree Type (Choose one) • Bachelor of Arts (BA) • Bachelor of Science (BS) • Other (please specify):	X		
	Post-Undergraduate Degree Prior to IGERT Traineeship:			
	Did you obtain a post-undergraduate degree prior to becoming an IGERT Trainee? Yes/No If Yes, provide the following information:	X		
	Degree Type • M.A. • M.S. • Ph.D. • Professional degree (e.g. M.D., J.D.) • Other Postbaccalaureate degree (please specify):	X		

New Items	Question / Common Collection Categories	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	When Received (yyyy)	X		
X	**Graduate Major** [Respondent chooses from the dropdown list of academic disciplines shown in the endnotes]	X		
	Name of institution granting degree	X		
X	Graduate Department [Respondent writes in department name]	X		
	Employed after undergraduate and before current graduate school			
	Were you employed in the public/private sector for one or more years after receiving your first undergraduate degree and prior to becoming an IGERT Trainee? (Do not include employment as a Research Assistant (R.A.) or Teaching Assistant (T.A.) while pursuing a Master's degree) Yes/No	X		
	Total number of years (equal to or greater than one year, to the nearest year) you were employed in the public or private sector after receiving your first undergraduate degree and prior to becoming an IGERT trainee. (Do not count employment as a Research Assistant (R.A.) or Teaching Assistant (T.A.) while pursuing a Master's degree)	X		
	3. Your Achievements			
	Publications, Patents, and Presentations Provided by the PI *[The list of publications, patents, and presentations that were entered via the PI survey that included this trainee as an author are presented for the trainee to review]*			X
	Fellowships, Scholarships, and Grants Other Than IGERT Provide for each Fellowship, Scholarship, or Grant Other Than IGERT:			
	Title of Fellowship, Scholarship, or Grant			X
	Proposal Title			X
	Year Awarded			X
	Awarding Agency/Organization			X
	Other Honors and Recognition Provide for each honor or recognition:			
	Title of Honor or Recognition			X
	Year			X
	Society/Granting Organization			X
	Research or Education Accomplishments			
X	Major research or education accomplishments in the last year		X	

New Items	Common Collection Categories Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	(word limit: 1000) [Textbox]			
	4. Research Preparation			
	Please indicate which of the following activities you engaged in during this reporting period. [Mark all that apply] • Undertook formal coursework/training in research methods, practices and instrumentation in your primary discipline equivalent to traditional graduate students • Had practical, hands-on laboratory and/or field experience in conducting research across the breadth of disciplines in the IGERT program • Undertook formal coursework/training across the breadth of disciplines encompassed by the IGERT project • Undertook formal coursework/training in both ethical conduct of research and ethical conduct related to the themes encompassed by your IGERT project • Other preparation to conduct high-quality research (Please specify) • Please check here if you were not engaged in any of the activities listed above during this reporting period		X	
X	How many courses/seminars did you take in disciplines outside of your primary dscipline during this reporting period?		X	
X	How many courses/seminars did you take that specifically covered interdisciplinary topics related to your IGERT during this reporting period?		X	
X	How many courses/seminars were in the primary discipline		X	
	5. Professional Skills			
	Please indicate which of the following activities you engaged in during this reporting period. [Mark all that apply] • Undertook coursework/training that included regular faculty critique of and feedback on professional writing • Authored, submitted or published research papers in refereed journals • Undertook coursework/training (e.g., brown bags, seminars) that included regular critique of and feedback on professional speaking/presentation skills • Made presentations at academic/scientific professional conferences or meetings • Presented results from IGERT activities to professional nonacademic audiences (e.g., industry, government) • Undertook coursework/training to develop media-based or information technology-based communication skills • Made presentations at academic/scientific professional conferences or meetings • Presented results from IGERT activities to professional, nonacademic audiences (e.g., industry, government) • Undertook coursework/training to develop media-based or information technology-based communication skills • Produced multimedia materials, Web sites, or other cyber-enabled tools to communicate the results of IGERT activities to external audiences		X	

New Items	Question / Common Collection Categories	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	• Used multimedia materials, Web sites, or other cyber-enabled tools as part of the interdisciplinary scientific training and collaboration • Received training in team-building and project management skills • Received training in effective time and task management • Participated as a members of teams engaged in joint research, educational, and/or outreach efforts • Led teams engaged in research, educational, and/or outreach efforts • Other preparation in professional skills development (Please specify: _____) • Please check here if you were not engaged in any of the activities listed above during this reporting period			
	6. Career Preparation			
	Please describe what you consider to be the most beneficial IGERT training experience or component that has prepared you to be successful in a science or engineering career in an international/global setting. Note: This can include U.S.-based experiences. (word limit: 1000) [Textbox]			X
	Please indicate which of the following activities you engaged in during this reporting period. [Mark all that apply] • Received training or instruction (e.g., courses, workshops) in effective teaching practices and student mentoring • Developed and presented course and/or curriculum materials • Served as a mentors to others (e.g., graduate students, undergraduates, laboratory technicians) • Received training/mentoring in grant proposal preparation • Authored/co-authored and submitted grant proposals • Received training/instruction on the interaction between academic research and industrial technical requirements • Received training/instruction for applying your research to address public policy concerns or issues • Had an internship (an off-campus, research, educational and/or work experience) in a nonacademic setting (e.g., industry, government). • Had professional interactions other than internships with nonacademic employers (e.g. industry, government) in order to learn about career opportunities and requirements • Communicated, worked, or collaborated with scientists of other nationalities • Other preparation for careers in academia (Please specify: _____) • Other preparation for nonacademic careers (e.g., industry, government) (Please specify: _____) • Please check here if you were not engaged in any of the activities listed above during this reporting period		X	
	7. Internships			
	Have you taken part in any internships lasting one month or more with industries or businesses, government laboratories or agencies, or with nonprofit organizations during the current reporting period?			X

New Items	Question / **Common Collection Categories**	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	Yes/No If yes, please indicate the setting, duration (to the nearest month), and location of the internship(s). [The respondent can specify up to four internships. The following data is collected for each internship]			
	Internship			
	Company/agency name			X

	Internship setting (pull-down options)Internship location
	• U.S.
	    If U.S. please indicate the state and town
	• Foreign.
	    If foreign, please indicate the foreign country
				X

	Internship Duration			X
	Please describe what you consider to be the most beneficial professional or career-related aspect. [Limit: 1,000 characters]			X
X	Internship contributions that have prepared you for your career: (check all that apply) • Received training/instruction on the interaction between academic research and industrial technical requirements • Received training/instruction for applying your research to address public policy concerns or issues • Engaged in professional interactions other than internships with nonacademic employers (e.g. industry, government) in order to learn about career opportunities and requirements • Communicated, worked, or collaborated with scientists of other nationalities • Other preparation for nonacademic careers (e.g., industry, government) - please specify (text box)		X	
	8. International Experiences			
	Have you taken part in any international experiences during this reporting period? Yes/No If Yes, the respondent can specify up to five international experiences. The following data is collected for each international experience:		X	
	International Experience			
X	Was this int'l experience related to your IGERT research? Yes/No		X	
	International experience duration		X	
	Please identify the primary country in which the international activities occurred.		X	

New Items	Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	Common Collection Categories			
	Please indicate the international activities you engaged in during this reporting period as part of your IGERT project/activities, and please describe the benefit of each experience. (Mark all that apply) • Attended conferences/workshops outside the United States • Undertook coursework/training outside the United States • Worked, conducted research/fieldwork, or interned outside the United States • Other (Please specify: _____)		X	
X	Were you formally prepared for your international experience? Yes/No		X	
X	If yes to previous question, What experiences were included in the preparation for your international experience? • How to work in a foreign laboratory/field work • Graduate education/Education/ laboratory differences in country to be visited • Language • Cultural differences • Learning about the area • Other (Please specify: _____)		X	
X	What did you accomplish on int'l exp (Mark all that apply and provide a text description) • Awards/Honors/Recognitions • Broader Impacts • Invention/Patent • Presentations • Publications • Other		X	
	If you took part in international activities during this reporting period, please describe what you consider to be the most beneficial professional or career-related aspect of these activities. [Limit: 1,000 characters]		X	
	9. Comments			
	In the text box below, please describe what you consider to be the most beneficial aspect of being an IGERT trainee during this reporting period. This might include 1) an opportunity you have had as a result of being an IGERT trainee that has significantly affected your professional development, 2) an aspect of the project that provided exceptional "added value" to your educational experience, or 3) an aspect of the project that has been especially successful and/or represents a real change from the way that graduate students are usually educated at your institution.			X

New Items	Question	Common Collection Categories		
		Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	Please describe what you consider to be the most important opportunity for improvement in the IGERT program with which you are associated.			X
	10. Training Confirmation			
X	How many hours spent per week did you spend on programmatic activities	X		
X	Did you participate in regular training throughout the year	X		
X	Describe training received [Limit: 1,000 characters]	X		
X	How often did you receive training • Weekly • Bimonthly • Monthly • Other- please specify (text box)	X		
X	What was your stipend amount • $30,000 per year • Other- please specify (text box)	X		
X	How does your traineeship stipend compare to stipends received by regular teaching or research assistants at your organization (Choose one) • Greater than others • Equal to others • Less than others	X		
X	NSF provides your affiliated organization with a $10,500 cost-of-education allowance with a 1 year traineeship in lieu of all required tuition and fees. How much would it cost if you had to pay the normal charges yourself (text box)	X		
X	[This question is only asked of funded trainees] Did you have to pay any tuition or fees this year? Yes/No	X		