

2013

Iowa State University, Post-doctoral Research Activity Report, Calendar Year 2012


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Abstract

The Graduate Student and Post-Doctoral Research Associate Scholarly Activity Survey was administered during the spring 2013 semester by the Survey and Behavioral Research Service at Iowa State University. The purpose of the survey was to gain a comprehensive view of the endeavors of graduate students and postdocs at ISU during the 2012 calendar year.

Disciplines

Educational Assessment, Evaluation, and Research | Higher Education

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Ignacio Hernandez, Craig Ogilvie

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The eligible sample consisted of 411 postdocs at ISU during the 2012 calendar year. The survey was submitted by 138 postdocs, resulting in a 34% response rate.

Characteristics of the Sample (n=138)

<i>Gender</i>	n	Percent
Male	92	67%
Female	46	33%

<i>Citizenship Status</i>	n	Percent
Non-Citizen	87	63%
Citizen	51	37%

<i>Racial Identity</i>	n	Percent
White	66	48%
Asian	59	43%
Latino	6	4%
Black/African American	5	4%
Native American	1	1%
Two or more races	1	1%

<i>Racial Identity by Citizenship Status</i>	Non-Citizen	Citizen
White	21	45
Asian	59	0
Latino	5	1
Black/African American	2	3
Native American	0	1
Two or more races	0	1

Peer-Reviewed Scholarship

- 106 postdocs, 77%, produced at least one peer-reviewed scholarly product¹.
- Truncated mean: 2.3 peer-reviewed scholarly products per respondent.

¹ Peer reviewed scholarship included books, chapters in books, refereed journal articles, refereed extension or outreach materials, refereed conference proceedings, peer reviewed or curated exhibitions, juried music, drama or dance productions or performances, design competitions, art or literary publications, and peer reviewed teaching materials

- Overall, 87 postdocs, or 63% of the sample, produced 1 to 5 peer-reviewed scholarly products.

Peer-reviewed products	Respondents	Percent of sample
1	27	20%
2	28	20%
3	16	12%
4	9	7%
5	7	5%

Non Peer-Reviewed Scholarship

- 57 postdocs, 41%, produced at least one non peer-reviewed scholarly product².
- Truncated mean: 1.1 non peer-reviewed scholarly products per respondent.

Conferences Attended, Presentations, and Poster Sessions

- 83 postdocs, 60%, attended at least one national, regional, or local conference.
- 53 postdocs, 38%, delivered at least one presentation at a national, regional, or local conference.
- 52 postdocs, 38%, presented at least one poster at a national, regional, or local conference.

Technology Transfer

- 7 postdocs, 5%, had one patent or license issued.
- 1 postdoc, 1%, had two patents or licenses issued.

Teaching, Advising, and Service and Outreach

Teaching in the classroom

Term	Respondents teaching at least one hour per week	Average teaching hours per week
Spring	17 (12%)	8.3
Summer	6 (4%)	10.8
Fall	16 (12%)	5.9

Advising

Activity	Respondents working with at least one student or group	Average number of students or groups
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² Non peer-reviewed scholarly products include non-refereed journal articles, non-refereed extension or outreach publications, non-refereed conference proceedings, publicly-available software, electronic products/technical hardware, new plant varieties, non-juried creative activities such as art, design, installations, music, literature, drama or dance, professional reports, grant proposals, published letters or comments to the editor, published book reviews, teaching manuals, factsheets, or innovative teaching techniques/materials/websites

Working with undergraduate students on research	68 (49%)	3.2
Advising or mentoring undergraduate students	50 (36%)	2.6
Advising or mentoring graduate students	54 (39%)	2.4
Advising student groups	24 (17%)	2.3

Service and Outreach		
Service Activity	Respondents working with at least one group	Average hours worked in 2012
Organizations in Iowa	35 (25%)	72.2
Organizations outside Iowa	23 (17%)	97.6
Participation in local professional service activities	21 (15%)	26.1
Participation in state, regional, or national professional service activities	37 (27%)	34.7

Individual Development Plan (IDP)

- 14 postdocs, 10%, reported having completed an IDP