

Federal Demonstration Partnership Conference

Facilitating Research at Primarily Undergraduate Institutions:

- Research in Undergraduate Institutions (RUI)
- Research Opportunity Awards (ROA)

Hyatt, Capitol Hill Washington, DC



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ate Institutions

Primarily Undergraduate Institutions as Emerging Research Institutions

- Predominantly undergraduate institutions (PUIs) play a critically important role in U.S. science, engineering, and technology through their contributions to education and to research.
- NSF encourages *research* by faculty members at the state of state of the stat
- Faculty research as of the left in strong foundation for careers in science and undergraduse strong with a strong foundation for careers in science and engineering as well as future graduate study. (A significant number of STEM professionals receive undergraduate degrees from PUIs.)

A PUI is considered to be an accredited college or university that awards Associate's degrees, Bachelor's degrees, and/or Master's degrees in NSF-supported fields, but has awarded 20 or fewer Ph.D./D.Sci. degrees in all NSF-supported fields during the combined previous two academic years.



Research in Undergraduate Institutions (RUI)

- A proposal designation indicating that research is being undertaken by faculty member(s) at a PUI.
- Proposals to standard NSF research programs from PUIs may include the RUI designation in the proposal title¹.
- RUI-designated proposals must include a Certification of PUI Eligibility.
- RUI-designated proposals must include an RUI Impact Statement.

Proposals from faculty at PUIs need not be submitted as RUI-designated proposals





Submissions/Deadlines

- Current information on submission of RUI-designated proposals can be found in the Facilitating Research at Primarily Undergraduate Institutions solicitation, <u>NSF 14-579</u>. (Updated information to appear in the upcoming PAPPG.)
- RUI-designated proposals should be submitted in response to existing NSF funding opportunities and must abide by guidelines and deadlines in those documents.

There is no single Foundation-wide deadline for RUI-designated proposals



RUI Impact Statement

 An up-to-five-additional-page narrative, included in the Special Information and Supplementary Documents section, that provides e.g., information to the likely impact of the proposed project on the research environment of the limbact on the career(s) of the faculty parts, and on the ability of the involved department(s) to better prepare students (including underrepresented minorities) for entry into advanced-degree programs and/or careers in science and engineering.





Certification of PUI Eligibility

 Document must be on institutional letterhead and state only that the institution "hereby certifies that the originating and managing institution is an accredited college or university that awards Associate's degrees, Bachelor's degrees, and/or Master's degrees in NSFsupported fields, but has awarded 20 or fewer Ph.D/D.Sci degrees in all NSF-supported fields during the combined previous two academic years".

Document must be signed by an Authorized Organizational Representative





Review

- In general, RUI-designated proposals are evaluated competitively alongside other proposals submitted to the same NSF program.
- RUI reviewer instructions, which call attention to the RUI Impact Statement and the special circumstances under which RUI investigators work, are provided to reviewers.







- RUI-designated proposals may be recommended for funding at a program's discretion as a result of the merit review process.
- Funds for RUI-designated awards originate within research and education program allocations.

There is no separate RUI-specific allocation





Research in Undergraduate Institutions Funding

FY		
2011	Number of Awards	188
	Average Annual Dollars	\$83,702.76
	Average Award Duration (yrs)	3.99
2012	Number of Awards	140
	Average Annual Dollars	\$67,413.67
	Average Award Duration (yrs)	3.84
2013	Number of Awards	149
	Average Annual Dollars	\$112,619.06
	Average Award Duration (yrs)	3.34
2014	Number of Awards	115
	Average Annual Dollars	\$107,962.15
	Average Award Duration (yrs)	3.10
2015	Number of Awards	132
	Average Annual Dollars	\$111,472.75
	Average Award Duration (yrs)	2.96
Total	Number of Awards	724
	Average Annual Dollars	\$95,420.34
	Average Award Duration (yrs)	3.50





Research Opportunity Awards (ROA)

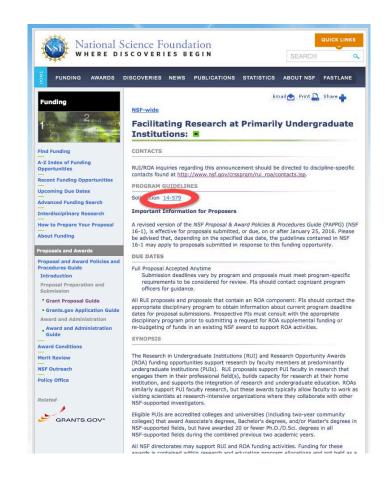
- Mechanism to support collaborative research involving faculty member(s) at a PUI as a visiting scientist engineer as part of NSF-supported projects at the PSF-supported institutions.
- Increases PUI facult of enser's research capabilities and effectiveness in dennances the impact of NSF-funded research projects.
- Most ROA activities are summer experiences, but partial support of sabbaticals is sometimes provided.





General Information

 Current information on ROA can be found in the Facilitating Research at Primarily Undergraduate Institutions solicitation, NSF 14-579. (Updated information to appear in the upcoming PAPPG.)







Submission: Proposals

- ROA activities may be supported through:
 - a) Collaborative proposals to standard NSF funding opportunities, either by means of subawards or an ROA-designated linked-collaborative proposal(s).
 - Prospective PIs are encouraged to contact cognizant program officers regarding questions about ROA-designated submissions.

Proposals that include ROA activities must meet program-specific requirements and deadlines for the research program to which they are submitted.





Submission: Supplements

- ROA activities may be supported through:
 - b) Supplemental funding to existing NSF awards.
 - Requests must come from the PI of the funded project that will receive the supplemental funds.
 - The PI and the PUI faculty together develop the research plan in the supplement request.
 - The PI of the funded proposal should discuss the proposed supplement with his/her cognizant program officer prior to submitting a formal ROA supplement request.





Submission: Re-budgeting

- ROA activities may be supported through:
 - c) Re-budgeting of funds in existing NSF awards.
 - The PI and the PUI faculty together develop the research plan for the PUI faculty proposed in the re-budget request.
 - The funded PI should first discuss the re-budget request with his/her cognizant program officer to ensure the feasibility of such a request.





Deadlines

- There is no single Foundation-wide deadline for a) ROAdesignated proposals. ROA-designated proposals submitted in response to standard NSF research solicitations must abide by the guidelines and deadlines for those solicitations.
- Requests for b) ROA-related supplements to existing NSF awards will be accepted at any time.
- ROA activities supported through c) Re-budgeting of an ongoing NSF award must follow standard NSF guidelines and may occur at any time.





Documents

- All ROAs must include a current, signed "Certification of PUI Eligibility" on institutional letterhead. For
 - a) proposals and b) supplemental funding requests, this document should be uploaded in the Special Information and Supplementary Documents section of the request.
 - c) re-budgeting of an ongoing NSF award, a certification of PUI eligibility and a biographical sketch for the PUI faculty member should be sent by email to the cognizant NSF program officer.





Review

- a) In general, *proposals* with ROA-designated components are evaluated competitively alongside other proposals submitted to the same NSF program.
- b) ROA *supplemental funding* requests generally involve NSF program officer review and are not subject to external merit review.
- c) Notifications to *re-budget* funds in existing NSF awards for ROAs are not subject to external merit review.



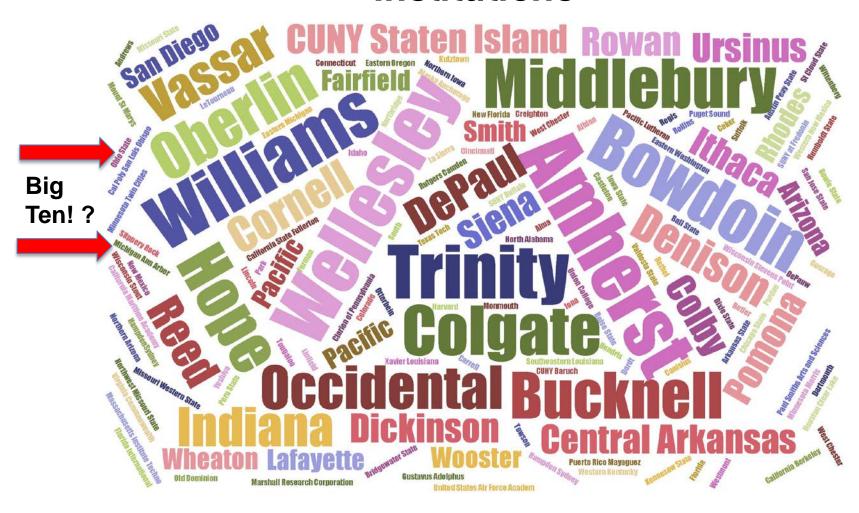




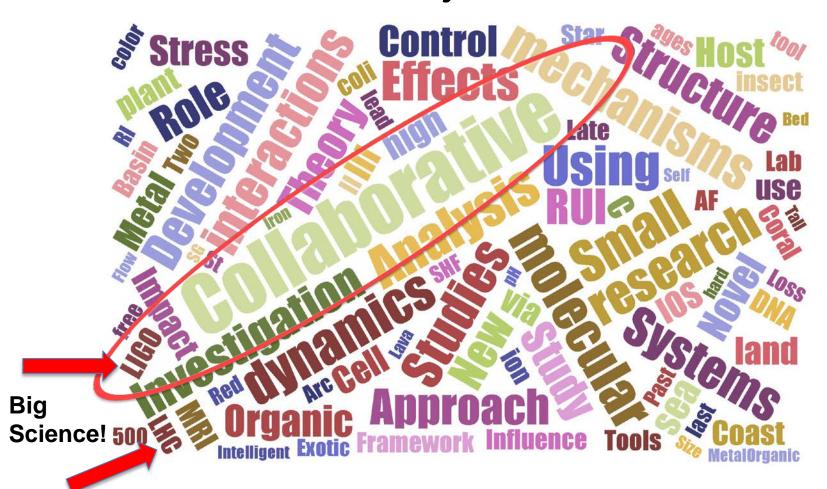
Funding

Funds for ROAs originate within research and education program allocations. There is no separate ROA-specific allocation.

RUI – Active Awards as of 2016 April 12 Institutions



RUI – Active Awards as of 2016 April 12 Projects

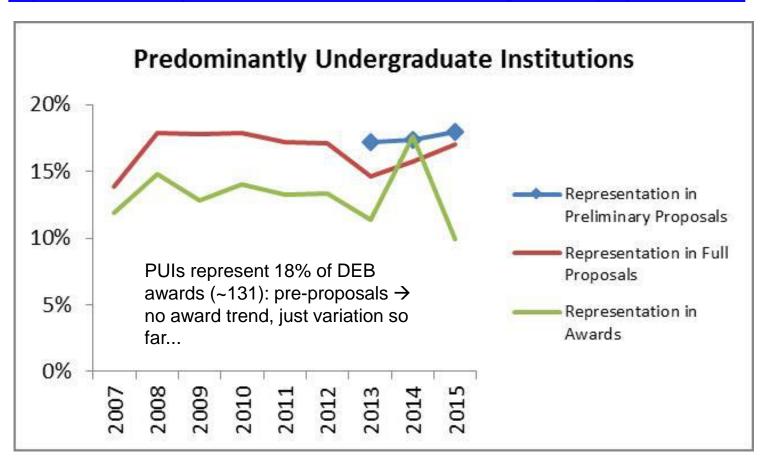






PUIs – Recent BIO/DEB Results ("DEBrief" November 30, 2015)

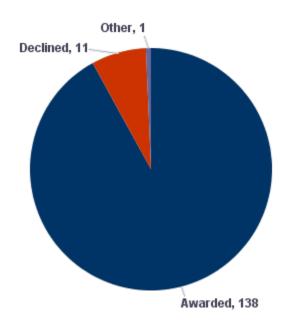
https://nsfdeb.wordpress.com/2015/11/30/deb-numbers-fy2015-wrap-up/#more-1262







ROA – Supplement Support (2011-2015)







Thank You!

Questions: rphelps@nsf.gov