

**Data Science Institute**
COLUMBIA UNIVERSITY
ROADS Grant – Provost Ignition Funding Opportunity

“Research Opportunities and Approaches to Data Science”

The Data Science Institute at Columbia University is a world-leading institution in research and education in the theory and practice of the emerging field of data science by advancing technology to unlock the power of global data to help solve some of society’s most challenging problems. We are developing the tools and talent needed to monitor and protect the critical infrastructure we depend upon, improve societal health and patient care, enhance communication and interactions within communities, predict financial failures, and keep personal data safe.

Equally important to this mission is supporting and encouraging interdisciplinary research between faculty from different backgrounds. The Institute aims to help forge closer relationships between faculty interested in data science and its applications across all domains, and to attract graduate students who want to do work within the intersection of data science and established domains. We have sponsored, and will continue to sponsor, events that have brought people together to meet and learn from each other. To further our goal of supporting data-centric interdisciplinary research, we are soliciting proposals for funds that will encourage faculty to work together on initial collaborations helping to prepare them for proposal submissions to government, industry or foundations.

The Institute is pleased to announce a call for proposals from Columbia University faculty and research staff. Aimed at advancing research that combines data science expertise with domain expertise, the *ROADS* Provost Ignition grant is intended to assist researchers who are interested in this theme to come together. Faculty teams whose proposed project will enable them to develop successful proposals for large scale grants will be more highly ranked. We will look for applications that propose unique and novel approaches to bring scholars together to work on projects that cross traditional discipline boundaries. In essence, we are looking for methods that are not just "business as usual."

Funding:

Funding is available for two projects, up to \$100,000. As a condition of funding, awardees will be required to submit biannual progress reports. All project reports must include progress on external funding proposal submission(s).

Proposal Submission Deadline:

Thursday, May 26th, 2016, 4:00pm. (Neither incomplete nor late applications will be accepted).
Award notifications anticipated to be made by June 30th, 2016.

Proposal Format:

Submit the following materials via email, in .doc or .pdf format, to Jonathan Stark, Director of Operations, jrs2139@columbia.edu, by the May 26th, 2016 4:00pm deadline:

- Application Cover Page, Project Proposal & Budget
- CV’s for Faculty/Collaborators ([2 page NSF style format](#))

Proposal Reviews:

The Data Science Institute’s review committee for submitted proposals will consist of members of the Institute’s Executive Board and Center Chairs. An external reviewer (domain expert) may be asked by the review committee to assist with review process. In an effort to mitigate conflicts of interest, members of the review committee who are included in others’ proposals, or who wish submit a proposal in their respective research area, will be excused from the review process and any decision regarding proposal funding.

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Application Cover page

CONTACT INFORMATION (PI's and Collaborators)					
First Name	Last Name	Title	Dept.	Email	Phone
(If additional contacts are needed, please check here, <u> </u> , and provide supplemental listing before CV's.)					
SCOPE OF PROPOSAL					
Title of Seed Funding Proposal		External Funding Seeking		External Proposal Deadline(s)	
		Proposals must identify specific large-scale funding opportunities for which the applicants will compete.			
Seed Funding Amount Requested:		Anticipated External Funding Award Amount:			
Maximum request: \$100,000.00		ROADS Provost Ignition Grant aims to provide support for developing successful large scale funding opportunities.			
PROPOSAL REQUIREMENTS					
Please provide the following information:					
<ul style="list-style-type: none"> • A. Completed Application Cover page • B. Project Proposal* (5-page maximum, single space, 12-font, Times New Roman) • C. Budget with narrative • D. CV's for PI's and Collaborators (2 page NSF style format) 					
*	<p>The following criteria will be used in ranking and selecting submissions for seed funding:</p> <ol style="list-style-type: none"> 1. Identifies how the ROADS funding will help this group reach the targeted goals. 2. Identifies unique and novel approaches the group will employ to bring scholars together to work on projects that cross traditional discipline boundaries. 3. Identifies how the ROADS funding will make the faculty team more competitive for follow-on large scale funding and identify potential funding opportunities that are relevant for this team. 4. The proposed research must be consistent with the mission of the Institute and aligned with the research themes of one of the centers. Proposals must identify specific large-scale funding opportunities for which the applicants will compete. 5. The proposed research must include a minimum involvement of two schools within Columbia University. 				