Office of Research Development

Karen Cielo, Ph.D.
Interim Director
Office of Research Development
Our Mission

The Office of Research Development promotes, stimulates and advances the diverse research enterprise across Northwestern University through:

- Facilitating Interdisciplinary Research Programs
- Supporting the Pursuit of Funding Opportunities
- Promoting the Submission of Outstanding Proposals
- Guiding Early Career Investigators
Facilitating Interdisciplinary Research Programs

Supporting the Pursuit of Funding Opportunities

Promoting the Submission of Outstanding Proposals

Guiding Early Career Investigators
Research Program Development

- Anticipate New Interdisciplinary Federal Agency Initiatives
- Support Investigator Initiated Ideas & Centers
- Identify, Connect, and Guide Formation of Collaborative Teams
- Coordinate Preliminary Workshops
- Assist in Development of a “white paper”
- Support Proposal Development Process
Large Interdisciplinary Proposal Development

Programmatic Support

- Participate in technical team meetings
- Develop “Writer’s Outline”
- Guide the conceptual development and writing of: vision, administrative core, management plan, broader impact, education, outreach, postdoc mentoring plan, data management plan, data sharing plan, etc.
- Provide feedback on proposal
- Draft letters of support
- Advise on sponsor’s summary statements
Large Interdisciplinary Proposal Development

Project Management Support

- Generate time-line/roles and responsibilities framework
- Coordinate video/audio conference meetings (PIs, administrators)
- Prepare meeting agenda
- Provide meeting minutes and other team communications
- Liaise with local RA, OSR, external partners, internal resources, local and external grant writers
- Manage internal and/or external review
- Coordinate site visits
Large Interdisciplinary Proposal Development

Research Administration Support

- Liaise between RA and technical team
- Facilitate subcontract procurement
- Budget and justification development
- Format current & pending and biosketches
- Consolidate facilities documents
- Review all documents as 2nd set of eyes
Large Interdisciplinary Proposal Development: Seed Funding

**NU-Interdisciplinary Program 1-2-3**

- Cultivate investigator-initiated visionary bold, “Big Ideas”
- Requirements:
  - Interdisciplinary team (at least 2 schools and 3 departments)
  - Innovation
  - Societal impact
- **I1**: $1,000 for a workshop; rolling submission
- **I2**: $15,000 for expenses pertinent to the submission of a large proposal; rolling submission
- **I3 (on hold)**: $95,000/year for up to 2 years for promoting effective team assembly, developing track record of collaboration, generating preliminary data and submitting a large/center proposal to an external sponsor; annual due date
ORD LINC Series

- Quarterly Event
- Promote anticipated federal funding opportunities
- Bridge communication between schools on a federal agency initiative
- Transfer knowledge between disciplines
- Establish new interdisciplinary connections

Past Events: “Microbiome”, “Internet of Things”, “Quantum Sciences”
Facilitating Interdisciplinary Research Programs

Supporting the Pursuit of Funding Opportunities

Promoting the Submission of Outstanding Proposals

Guiding Early Career Investigators
New Weekly Funding Opportunity Alert (ORD INSIGHT)

Anticipate, monitor, identify, and disseminate federal funding opportunities and related information to faculty and staff

- **News and Events**
  - Agency strategic plans, proposer days, meetings/webinars
  - Notice of intent to publish a FOA – NIH
  - Dear Colleague Letters – NSF
  - Information on new federal funding initiatives

- **Funding Opportunities**
  - FOAs screened weekly for eligibility and relevance to NU research
  - FOA summary is hyperlinked to Pivot database listing
  - “Limited Submission” funding opportunities
  - Divided into 6 research areas: Biomedical & Life Sciences; Engineering & Computer Science; Learning Sciences; Media, Arts & Humanities; Physical Sciences; Social Sciences & Law
News & Events
The IARPA Director’s seminar has been rescheduled for Friday, April 7th from 2:30 p.m. to 3:30 p.m. at the Allen Center, Room 140. Dr. Jason Matheny will present an overview of the IARPA research programs. All faculty, students, and staff are invited to attend. Please register here.

Funding Opportunities
Access to the Pivot database requires NU network, VPN, or log in using your Northwestern email address (free). Contact us here if you experience difficulties. Provide feedback about new format here.

BIOMEDICAL & LIFE SCIENCES
Full list of open opportunities

- NIH Intensive Longitudinal Analysis of Health Behaviors: Leveraging New Technologies to Understand Health Behaviors (U01)
- NIH Intensive Longitudinal Analysis of Health Behaviors: Leveraging New Technologies to Understand Health Behaviors (U24)
- NIH Tobacco Centers of Regulatory Science for Research Relevant to the Family Smoking Prevention and Tobacco Control Act (U54)

Weekly NIH Table of Contents

ENGINEERING & COMPUTER SCIENCE
Full list of open opportunities

LIMITED SUBMISSION: NSF Big Data Regional Innovation Hubs: Establishing Spokes to

Individual FOA listing in Pivot database (or grants.gov)

Ongoing “curated “list by research area in Pivot database
Intensive Longitudinal Analysis of Health Behaviors: Leveraging New Technologies to Understand Health Behaviors (U24)

Opp ID: 173179 | Collaboration or Cooperative Agreement Research | Last edited on 23 Mar 2017

Website: https://grants.nih.gov/grants/guide/rfa-files/RFA-OD-17-605.html

Sponsor: United States Department of Health and Human Services (HHS)
National Institutes of Health (NIH)
Sponsor ID: 93.399, 93.393, 93.273, 93.280, 93.279, 93.242, RFA-OD-17-605, RFA-OD-17-004

Amount: Upper $1,200,000 USD
Issuing IC and partner components intend to commit an estimated total of $300,000 to fund 1 award.

Applicants may request a budget of up to $300,000 per year (direct costs).

The maximum project period is 4 years.

Applicant Type: Academic Institution
Commercial
Government
New Faculty/New Investigator
Nonprofit
Ph.D./M.D./Other Professional
Small Business

Citizenship or Residency: United States

Activity Location: United States

Abstract: This Funding Opportunity Announcement (FOA) invites applications to establish a Research Coordinating Center (RCC) to facilitate and support the Intensive Longitudinal Health Behaviors Initiative. The goal of this...

Eligibility: Eligible Organizations:
Higher Education Institutions
<table>
<thead>
<tr>
<th><strong>Physical Sciences (53)</strong></th>
<th>Deadline</th>
<th>Amount</th>
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<tbody>
<tr>
<td>NASA Astrobiology Institute Cycle 8 Cooperative Agreement Notice</td>
<td>12 Apr 2017</td>
<td>see record</td>
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<td>National Aeronautics and Space Administration (NASA)</td>
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<tr>
<td>RadioBio</td>
<td>12 Apr 2017</td>
<td>see record</td>
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<td>United States Department of Defense (DOD)</td>
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<td>Defense Advanced Research Projects Agency (DARPA)</td>
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<td>Industry University Cooperative Research Centers Program (IUCRC) NSF Wide Programs</td>
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<td>National Science Foundation (NSF)</td>
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<td>Precision Measurement Grant Program (PMGP)</td>
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<td>$100,000 USD</td>
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<td>United States Department of Commerce (DOC)</td>
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<td>National Institute of Standards and Technology (NIST)</td>
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<td>E-Team Program</td>
<td>03 May 2017</td>
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<td>Lemelson Foundation</td>
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<td>VentureWell (formerly National Collegiate Inventors and Innovators Alliance (NCIIA))</td>
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<tr>
<td>Research Opportunities in Space and Earth Sciences (ROSES) - Earth Surface and Interior (ESI)</td>
<td>15 May 2017</td>
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<td>Science Mission Directorate (SMD)</td>
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<tr>
<td>Cooperative Training Partnership in Aquatic Toxicology and Ecosystem Research</td>
<td>18 May 2017</td>
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<td>United States Environmental Protection Agency (EPA)</td>
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<tr>
<td>Office of Research and Development (ORD)</td>
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I. Facilitating Interdisciplinary Research Programs

II. Supporting the Pursuit of Funding Opportunities

III. Promoting the Submission of Outstanding Proposals

IV. Guiding Early Career Investigators
Promote the Submission of Outstanding Proposals

• Personalized service to faculty from all disciplines (smaller scale proposals, single investigator, etc.)
  o Clarify and confirm sponsor’s expectations and guidelines
  o Enhance faculty communications with program officers
  o Advise on strategic approaches to developing a proposal

• Outreach and resources
  o “ORD Presents” workshops (DARPA, large grant proposal, shared instrumentation, NSF CAREER)
  o Bring program officers to Northwestern
  o Provide institutional subscription to “Research Development and Grant Writing News”

• Manage the Institutional Limited Submissions Process
Limited Submission

• Funding opportunities for which the sponsor limits the number of applications that may be submitted per institution

• ORD manages the institutional process for selecting nominees for Federal, Foundation, and Corporation funding opportunities

• Northwestern has established a transparent, efficient and effective process for selecting successful nominees

https://ord.northwestern.edu/limited-submission/
Limited Submission (LS) Overview

1. Identification of LS funding opportunities
2. Dissemination of announcements
3. Collect Internal Letters of Intent
4. Collect Internal Proposals
5. Internal Review
6. Notification
7. Nomination
8. Sponsor Proposal Due
Limited Submission: Announcements

• Targeted and inclusive dissemination
• Subject line: LIMITED SUBMISSION: …..
• Summary of opportunity and eligibility criteria
• Key dates and instructions: LOI, internal proposal, notification, sponsor deadline
• All announcements and their status are posted on ORD’s website
• You can opt-in to receive all announcements
Limited Submission: LOIs

• Submission of the LOI by the deadline is **required**, but not binding

• If NU is under the limit:
  – Applicants are authorized by ORD to submit a proposal
  – Others are authorized on first-come, first-served basis

• If NU is over the institutional limit:
  – An internal competition is required
  – All eligible applicants are invited to submit an internal proposal
Limited Submission: Review Process

• The Limited Submission Advisory Committee (LSAC) selects the most nationally competitive applicants
  – FSM, WCAS, McC, SESP and SoC faculty
  – LSAC is guided by:
    • Ex officios (i.e., Foundation Relations, Corporate Engagement, INVO)
    • Ad hocs (i.e., prior awardees)
• Humanities or other ad hoc panels, as needed
• In-person review
• Selection requires approval by the VPR
• All candidates are notified of the outcome and provided feedback
Limited Submission Website

https://ord.northwestern.edu/limited-submission-opportunities

Requires NetID login
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Guiding Early Career Investigators

- Reach out to new faculty, present at new faculty orientations
- Consult and perform customized funding opportunities search, recommend collaborators
- Develop a strategy of applying to prestigious fellowships
- Provide NSF CAREER consultations
- Provide resources for early career investigators on ORD’s website
- Host “ORD Presents” Series
Guiding Early Career Investigators: ORD Presents

- NSF CAREER Workshop
- NIH K Award Seminar
- Broader Impacts Forum
Please contact ORD if you...

- Are working on a complex proposal
- Find a limited submission opportunity not on our website
- Want to receive ORD Insight and LS FOAs
- Have a question about a federal funding opportunity
- Want to advertise internal seed funding or research events
- Have ideas for future events or thoughts on ways we can improve
Contact Information

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@NU_ResearchDev

Follow Us on Social Media
Thank you!

Questions??
Limited Submission: Outcomes

• Packard Science and Engineering Fellows
  National awardee each year 2007-11, 2013, 2018
  (of an annual total of 16 fellows from 50 Universities)

• Pew Biomedical Scholars
  (of an annual total of 21 scholars nationally)