

Introduction to Research Development

RA Forum 1/30/2020



Research Development Team

The Research Development Team at NYU is dedicated to initiating catalytic and capacity-building activities to enhance the competitiveness of NYU's research and sponsored programs portfolio.

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Research

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Mega-Grants Initiative
Project Officer

Alex Wesnousky

Research Development
Specialist

Research Support at NYU

Pre-pre award

Pre-award

Post-award

Research Development

- Seed funding (Mega)
- Identify and match potential collaborators
- Identify external funding
- Proposal development
- Research community and engagement

OSP

- Pre- and non -financial post -award management
- Contract and subaward management
- Project management

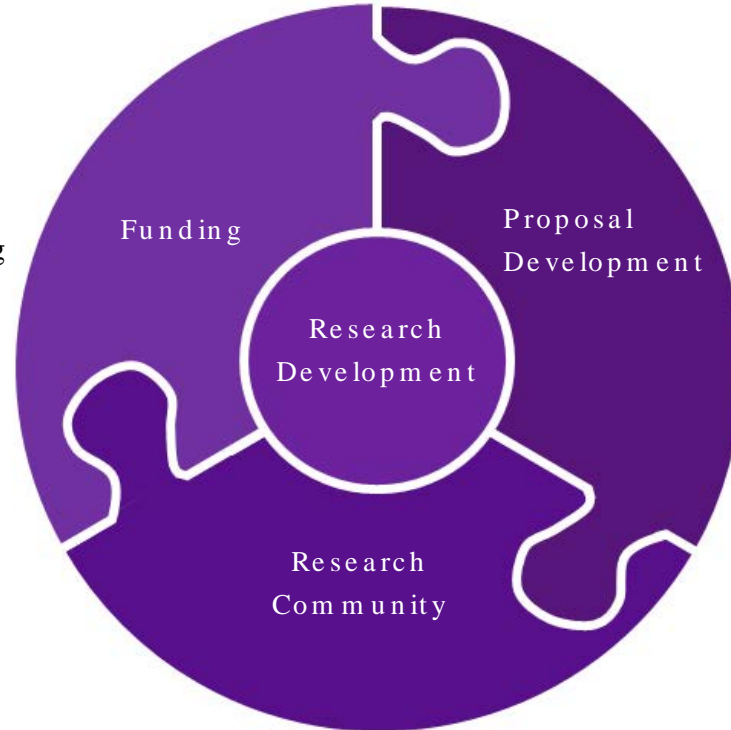
SPA

- Sponsored project accounting
- Costing and analysis
- Post-award administration
- Procurement

Research Development Service and Support

Funding

- Seed funding
- Identify funding opportunities
- Manage internal funding mechanisms



Proposal Development

- Coordinate large, complex proposals
- Maintain shared tools and resources
- Organize red team reviews
- Perform editing services

Research Community

- Coordinate cross-disciplinary interest groups
- Conduct workshops and trainings
- Newsletter

FY 19 and Q1FY 20 Major Projects in Development Pipeline

Core Facilities & Quantum

Air Force Research Laboratory Q Network Hub, PI Javad Shabani

Outcome: Access to IBM equipment, collaboration with AFRL and sponsored projects with AFRL and other Q network members (over 500 from industry, universities.) Quantum summer camp with Tandon STEM summer camps.

Artificial Intelligence

National Artificial Intelligence Research Institutes, PI Yann LeCun with CDS, Tandon and FAS

Outcome: Proposal leveraging NYU AI recruitment and NYCEDC proposal for Center for Responsible AI prepared for the National Science Foundation of up to \$25M by January 31.

Applied Social Sciences

DFID Consortium, Education in Crisis Programme, PI Dana Burde, Steinhardt

Outcome: \$25K seed grant to develop proposal with the DFID consortium to prepare a \$25 MM application to the Education Research in Conflict and Crisis programme.

Integrative & Chemical Biology

NSF Biology Integrative Institutes, PI André Fenton, FAS CNS

Outcome: \$49K seed grant for preliminary data to enhance competitiveness of a \$12 MM proposal to the NSF Biology Integration Institutes funding program. Cross-disciplinary project focused on the molecular basis of memory.

Proposal Development

- Identify collaborators
- Coordinate large, complex proposals
- Maintain shared tools and resources
 - Sample proposals
 - Templates and boilerplates
 - Facilities
 - Institutional capacity statements
- Organize red team reviews
- Perform editing services and prepare budgets
- Advise on solicitation requirements, strategize on approach
- Serve as liaison with sponsors and potential partners

The screenshot shows a Confluence page titled "Tools and Resources for Grant Writing" under the "Research" space. The page is organized into three main columns: "Grant Writing Tools", "Resources and Boilerplates", and "Samples and Templates".

- Grant Writing Tools:**
 - Writing Proposals:**
 - [Grant Writing For Education](#) (via Lynda.com at NYU Home) - An interactive video tutorial by Karl Kapp.
 - [NSF Proposal Writing Guide](#) - General guide, especially useful to younger scholars, aiming to produce higher quality (and therefore more fundable) proposals.
 - [NIH Proposal Writing Guide](#) - Tips for framing and writing a successful application to the NIH. Download here.
 - Writing Broader Impacts Statements:**
 - [The Broader Impact Wizard](#) tool guides you through a series of steps to produce an outline of important points to include in the broader impacts section of your proposal to the National Science Foundation and that will help frame discussions with your broader impacts partners.
 - [National Alliance for Broader Impacts Guiding Principles](#) >> Download here.
- Resources and Boilerplates:**
 - Shared Resources at NYU:** NYU-wide inventory of shared resources including labs, major instrumentation and equipment that are available to enhance your research and strengthen your funding applications. The shared resources inventory is maintained by Farooq Niazi, Director of Provostal Research Programs.
 - Research Technology Facilities & Resources:** NYU faculty, students, and staff have access to advanced research and instructional computing resources administered by the Research Technology division of NYU IT. These resources include High Performance Computing (HPC) and Big Data clusters.
- Samples and Templates:**
 - Biosketches:** NIH National Institutes of Health Training Opportunity with Health
 - NIH General Biosketch
 - NIH Predoctoral Fellowship
 - NIH Postdoctoral FellowshipNational Science Foundation WHERE DISCOVERIES BEGIN
 - NSF Biosketch Template (after 1/30/2017)Developed by Harvard University
 - Budget:**
 - Internal Budget Template (Excel)Developed by CUSP
 - Sample Proposals:**
 - Successful applications from NYU PIs.
 - Sample Language:**
 - NYU Entrepreneurship & CommercializationDeveloped by Trinh Eng, Mega-Grants Officer, 2019

Research Community and Engagement

- Coordinate cross -disciplinary interest groups, “match” with potential collaborators
- Host workshops on grant writing and identifying funding opportunities
 - For new and established investigators
 - For research administrators
- Research Newsletter
 - Updates on sponsored awards and metrics to reflect how we’re doing
 - Recognition for faculty and researchers
 - Sponsor communications
- Scope Magazine
 - NYU Research

NYU Groups

AIResearch.Group@nyu.edu

Quantum.Research.Group@nyu.edu

Cybersecurity.Research.Group@nyu.edu

STEM.Learning.Research.Group@nyu.edu

- Identify funding opportunities



- Manage internal funding mechanisms
 - Mega-grants initiative



- [Video](#)

Piloted on InfoReady

Mega-Grants Initiative Seed Fund

- Application submission, review, and decision making

Humanities Mega-Grants Seed Fund

- Application submission

University Research Challenge Fund

- Application submission and review

IHDSC Seed Award Competition

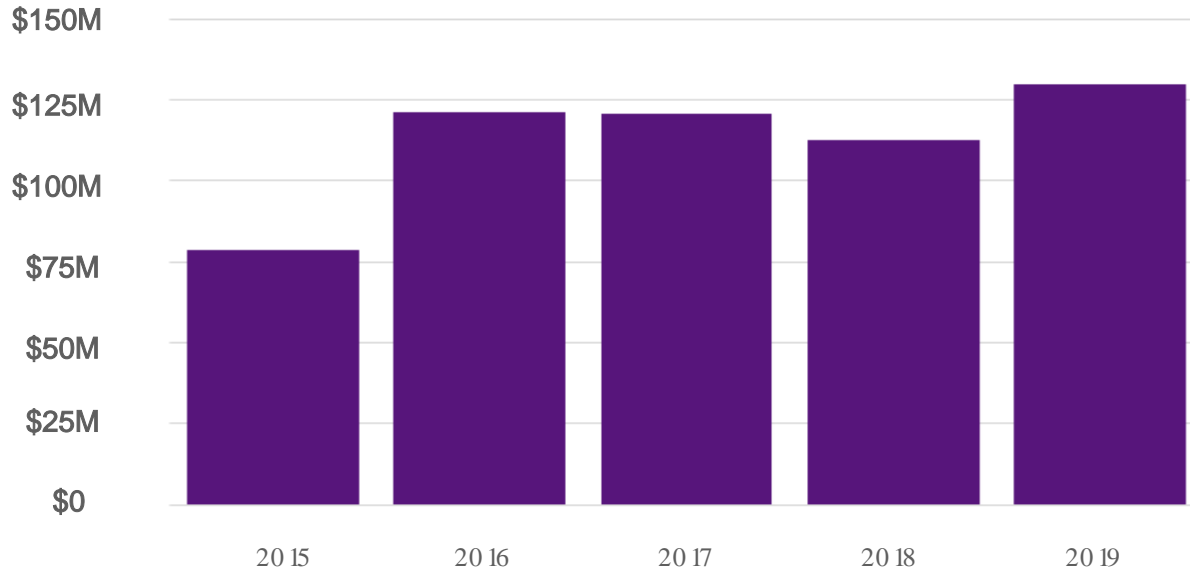
- Application submission

Office of Global Programs

International Activities Application

- Application submission and approval routing

MEGA Grants awarded with a value >\$1.75M



65%

increase in MEGA
grants since 2015

Mega Grant Seed Funds Awarded

