



# Navigating Northeastern University Research

# Northeastern Research

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## Health Security Sustainability

You have joined Northeastern University at this exciting time in our history. Our research enterprise is growing fast and regional campuses are enhancing our global research footprint. Our unique experiential driven approach to research – consisting of close collaboration between industry, government, and academia – shapes the research questions we ask and drives novel solutions to these global challenges.

As you begin your research at Northeastern, this guide will help you navigate the resources, facilities and support teams across the global Northeastern network dedicated to the research enterprise.

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# A message from the Senior Vice Provost for Research, David Luzzi

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Dear New Faculty Colleague,

Welcome to the Northeastern University Global Network. You have joined a major research university with ambitions to grow our already substantial positive impact on the world through our research, scholarship, and expertise. Based on research expenditures, Northeastern is the sixth ranked US private university without a medical school with ambitions to enter the top five within a year or two. At that time, we will be among the elite group comprising MIT, CalTech, Princeton, and Carnegie Mellon. Your success in your scholarship and research is an important part of the University achieving these goals in impact and scale.

Within the Division of Research, we have a great group of professionals who will help you succeed. Led by Vice Provosts for Research Robin Cyr and Kim Holloway, top-notch teams in research-administration, compliance, development, finance, building administration, and safety, and the human research protection program (HRPP), and division of laboratory animal medicine (DLAM) are ready to work with you.



To help you get settled at Northeastern, I recommend that you immediately reach out within your college, department, and/or institute to meet your colleagues in those units who will be working with you as you build proposals, launch your laboratory, and begin work using existing laboratory, research, and scholarship resources of the university. There are many professional staff colleagues across the global network who are ready to work with you.

Also, and very importantly, begin work immediately to develop relationships with your faculty colleagues – attend seminars, join an institute, work together on a TIER 1 proposal or an Impact Engine – get involved in the vibrant cooperative life of the university in scholarship and research. You will be glad you did.

Again, welcome! I look forward to meeting you and learning about your work and your ambitions.

Best regards,

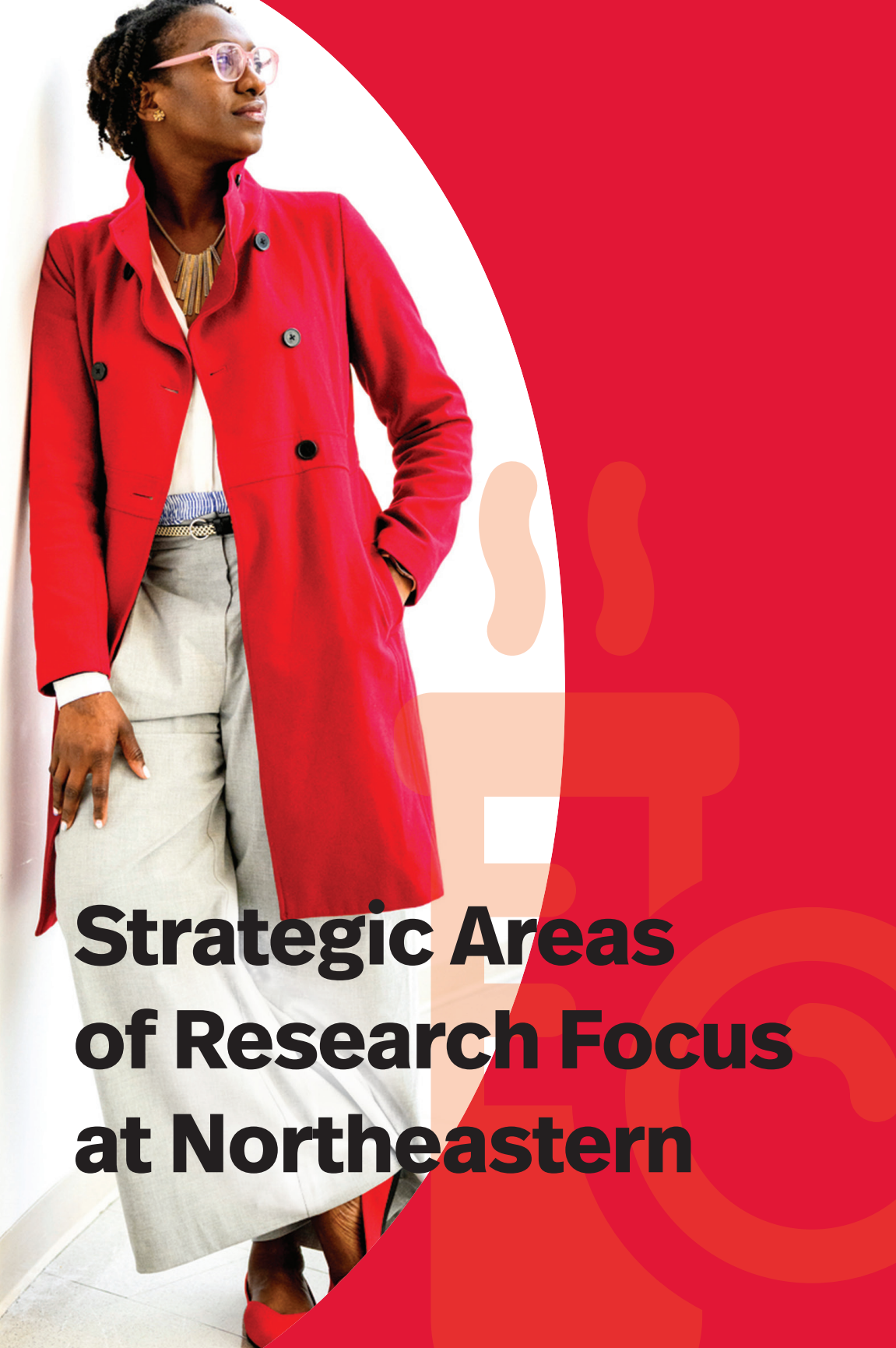
**David Luzzi**

Senior Vice Provost for Research

Vice President, Innovation Campus at Burlington, MA

Professor

[d.luzzi@northeastern.edu](mailto:d.luzzi@northeastern.edu)



# **Strategic Areas of Research Focus at Northeastern**

# Health



Innovation springs from collaboration across a wide range of fields, from life sciences and engineering to mathematics and the humanities. These breakthroughs emerge from thriving partnerships with industry, universities, and NGOs worldwide.

Faculty at Northeastern are developing innovations to:

- Better diagnose cancer and find cures to infectious diseases of the developing world
- Understand the roots of health and illness in the microbiome and by seeing into the molecular processes of living systems
- Create new drugs and drug-delivery systems, including nanotechnology-based cancer therapies and biopharmaceuticals
- Create safe, effective painkillers as alternatives to opioids

# Security



Northeastern University's interdisciplinary efforts range from network science and computer sciences to psychology and criminology. Our researchers work closely with universities, government agencies, security-based think tanks, and defense contractors across the globe.

Northeastern's faculty are developing new tools and methods to:

- Secure devices, systems, and networks across the Internet of Things
- Detect and combat cyberthreats
- Provide our government teams with the advanced materials and technologies they need to keep the world secure
- Enhance the preparedness and resilience of systems and communities

# Sustainability



Our researchers' discoveries grow from an interdisciplinary focus—ranging from engineering to economics—that brings together researchers from Northeastern, industry, government, and academia to collaborate efficiently on real-world solutions.

Faculty at Northeastern pursue research that:

- Makes critical infrastructure, such as transportation networks and power grids, more resilient
- Creates safer coastal communities by mitigating a range of threats from climate change to plastics pollution
- Reduces the threats to individual and community health posed by pollutants and other environmental problems
- Leads to new materials that improve battery technology and reduce the need for rare earth metals in vital electronics components



# Searching for Funding



# External Affairs, Government Relations



External Affairs, Government Relations focuses on advancing the university's research agenda and on shaping policy that affects our students, faculty, and staff. Government Relations advocate for federal research funding, promote our faculty's expertise among members of Congress and our nation's funding agencies, facilitate new global research partnerships, and serve as Northeastern's official liaison on policy issues.

**Jack Cline**

**Vice President for Federal Relations**

**[j.cline@northeastern.edu](mailto:j.cline@northeastern.edu)**



# Federal Funding Resources

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## **Grants.gov**

Grants.gov is the most comprehensive source for information on federal funding opportunities and offers a variety of subscription services. The Grants.gov system houses information on over 1,000 grant programs for federal grant-making agencies.

**<https://www.grants.gov/>**

## **National Science Foundation**

Researchers may search the NSF website directly for funding opportunities and subscribe to a customized funding update service.

**<https://www.nsf.gov/funding/>**

## **National Institutes of Health**

The NIH Guide for Grants and Contracts is NIH's official publication of notices of grant policies, guidelines, and funding opportunities. The NIH publish daily grant updates and issue a table of contents weekly. Investigators may subscribe to receive weekly grant opportunity updates here <https://grants.nih.gov/funding/subscribe.htm>.

**[https://grants.nih.gov/funding/searchguide/index.html# /](https://grants.nih.gov/funding/searchguide/index.html#/)**

## **GovInfo**

GovInfo is a service of the United States Government Publishing Office (GPO), which is a federal agency in the legislative branch. GovInfo provides free public access to official publications from all three branches of the Federal Government.

**<https://www.govinfo.gov/>**



### **Contract Opportunities**

The System for Award Management (SAM) is the Official U.S. Government system that consolidated the capabilities of CCR/FedReg, ORCA, and EPLS. Anyone interested in doing business with the government can use SAM.gov to search for opportunities. Opportunities include pre-solicitation notices, solicitation notices, award notices, and sole source notices.

**<https://sam.gov/>**

### **SBIR and STTR**

The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs are highly competitive programs that encourage domestic small businesses to engage in Federal Research/Research and Development (R/R&D) with the potential for commercialization. Central to the STTR program is the partnership between small businesses and nonprofit research institutions. The STTR program requires the small business to formally collaborate with a research institution in Phase I and Phase II. STTR's most important role is to bridge the gap between performance of basic science and commercialization of resulting innovations.

Currently, eleven federal agencies participate in the SBIR program and five of those agencies also participate in the STTR program. Each agency administers its own individual program within guidelines established by Congress.

**<https://sbir.gov>**

# Limited Submissions



A limited submission program is a funding program in which the sponsor restricts the number of applications or proposals that an institution may submit. Northeastern University requires an internal review and selection process for any funding opportunity that limits the number of pre-proposal or proposal submissions.

Before applying for an opportunity with limited submission requirements, you must follow the Procedure for Programs with Limited Submissions to secure authorization to submit. Read the limited submission procedure requirements carefully, as they can vary from opportunity to opportunity. The Senior Vice Provost for Research, David Luzzi, authorizes limited submission decisions.

Opportunities are identified through invitations, internet searches, web services, and historical opportunities. Please be aware that the list may not be comprehensive. If you become aware of a funding opportunity with limited submission requirements that is not listed, please contact [limitedsubmissions@northeastern.edu](mailto:limitedsubmissions@northeastern.edu) immediately with the program title, due date, and URL.

It pays to be proactive with limited submissions. For example, some sponsors (the Department of Energy for instance), have a short time period (4-6 weeks) between program announcement and the due date for a pre-application, letter of intent, or proposal.

Current and archived limited submissions and their internal deadlines for submission are detailed on our website.

**<https://resdev.northeastern.edu/limited-submissions/>**



# Funding Opportunity Databases



## Pivot

Pivot is a powerful tool that combines funding and collaboration opportunities for researchers and graduate students across all disciplines. Pivot is pre-populated with Northeastern researcher profiles (and others) and matches them to current funding opportunities in their database. Pivot also allows individuals to create unique funding searches, choose to receive weekly emails based upon those searches, and track relevant opportunities.

Members of the Northeastern community can find instructions to sign up for access to Pivot at <https://resdev.northeastern.edu/resources/searchable-funding-databases/pivot/>

A personal Northeastern Pivot Training Session can be provided upon request. You may schedule a training session by contacting Alyn Gamble, STEM Librarian, at [aly.gamble@northeastern.edu](mailto:aly.gamble@northeastern.edu).

Pivot also has a YouTube channel for training webinars and FAQs at

**<https://www.youtube.com/user/ProQuestPivot>.**

## Foundation Directory Online

Foundation Directory Online is a subscription-based online funding research tool developed by the Foundation Center. Researchers may search for private foundations using this website. The library now has unlimited IP access for this research tool. For access, see

**<https://link.ezproxy.neu.edu/login?url=https://fconline.foundationcenter.org/ipl.php>**

The library also has university-wide access to the Grants for Individuals database, from Candid at **<https://link.ezproxy.neu.edu/login?url=https://grantstoindividuals.org>**



# Funding Opportunity Databases / *continued*



## **Northeastern Curated Funding Opportunities**

Northeastern researches and disseminates funding opportunities for faculty in strategic areas. Research development staff for each research active college send out funding opportunity announcements to their faculty. The central research development team disseminates funding opportunities to CPS, NUSL, DMSB, Roux Institute, KRI and global campuses. The central research development team also maintains a database with limited submission opportunities on our website for faculty reference.

The database is searchable by subject, sponsor, and award type and can be found at

**<https://foa.resdev.northeastern.edu/>**



# Internal Funding Opportunities



Northeastern University's Colleges and Office of the Provost provide support for interdisciplinary research through the TIER Awards programs. These awards seek to stimulate exciting new directions in interdisciplinary research and increase the competitiveness of external proposals.

## **TIER 1: Seed Grant/Proof of Concept Program**

This competitive program provides funds to support and encourage individual faculty members to form multidisciplinary teams to secure proof of concept, with a goal of successfully competing for future sponsored research opportunities. An explicit strategy for securing external funding must be outlined. Projects with cross-college collaboration are heavily favored.

Fifteen-month grants of up to \$50,000 are available, provided by the college(s)/units and the Provost's Office. Funding cannot be requested for faculty salary support. Between FY12 – 24, TIER 1 grants totaling \$13.1 million were awarded to 277 interdisciplinary teams. To date, the returns on those investments include over \$107 million in award-related funding, 500+ publications, and more than 900 presentations at scholarly conferences and meetings.

**Deadline is annually in January**

## **TIER 2: Federally Designated Centers; Major Programs Initiative**

The SVPR and the dean(s) will provide incentive support to interdisciplinary faculty groups pursuing large federal funding opportunities. Grants of up to \$50,000 may be requested to facilitate the preparation of highly competitive proposals.

**Rolling deadline**

## **TIER 3: Campus-wide Research Initiatives Program**

This competitive program provides support for development of broad, multidisciplinary research initiatives and centers that will position the University to become a national leader in an emerging or sustained area of research that responds to a national or societal need. Successful applicants may receive planning grants of up to \$150,000.

**Rolling deadline**



The image features a close-up of a hand inserting a network cable into a port on a switch. The scene is bathed in a cool blue light, with warm orange and red highlights from the switch's internal components. A large, semi-transparent blue circle frames the right side of the image. In the background, a faint, stylized gear or compass rose graphic is visible. The text 'Planning and Submitting Proposals' is written in a bold, white, sans-serif font, positioned in the lower-left area of the image.

# **Planning and Submitting Proposals**

# LIFECYCLE PHASES

FIND  
FUNDING

DEVELOP  
PROPOSAL

ROUTE FOR  
REVIEW &  
SUBMISSION

AGREEMENT  
REVIEW

SET UP  
PROJECT

MANAGE  
PROJECT

CLOSE OUT  
PROJECT

**REGULATORY COMPLIANCE**

# Research Development

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## **Central Research Development**

Housed within the Research Division under the Senior Vice Provost for Research, the Office of Research Development is dedicated to growing the research enterprise at Northeastern University by focusing on strategically important areas related to the University's research mission and goals. These areas include proposal development services to increase the competitiveness of large, center-level proposals, training grants, and early career program grants and contracts. The team also provides proposal strategy services, professional development opportunities for faculty, trainees or early career researchers, team science collaborative activities, strategic faculty positioning with federal or non-federal sponsors, and access to evaluation or grant writing resources - both internal and external.

[resdev@northeastern.edu](mailto:resdev@northeastern.edu)

[\*\*https://resdev.northeastern.edu/\*\*](https://resdev.northeastern.edu/)





## College Research Development

In addition to the support services provided by the central research development team, many of the colleges have research development staff dedicated to providing strategic support for faculty research and scholarship in the colleges. Some colleges will perform custom searches for faculty, some have newsletters or other communications about funding opportunities of specific interest to their faculty. Advancement staff assigned to each college can also help faculty identify industry or foundation funding sources, and work with you to hone your proposal to those specific sponsors. Colleges have support for grant preparation and research administration and should always be the first stop for faculty with research questions.

Individual contacts for both central and college-based research development colleagues can be found at <https://resdev.northeastern.edu/our-team/>



# Northeastern University

## Research Enterprise Services (NU-RES)

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Northeastern University is a dynamic, innovative, and entrepreneurial University with a diverse and growing research portfolio. The University's research management infrastructure, known as Research Enterprise Services, is dedicated to providing expertise and support to the University's faculty and researchers related to externally funded research and sponsored programs.

### **University Proposal Preparation & Internal Routing**

Proposals are prepared by Principal Investigators with assistance from their Departmental and College Administrators and routed for institutional review using the Electronic Proposal Approval & Workflow System (ePAWs). As a best practice, please notify your Department Administrator as soon as you know that you are interested in submitting a proposal. NU-RES Grant & Contract Officers are responsible for conducting the institutional review of all proposals for compliance with funding agency and University guidelines and policies. Training is available on the use of ePAWS at <https://coeus-web.neu.edu/epaws/login>

Most (but not all) funding agencies require electronic proposal submission. Methods and requirements will vary depending on the agency and solicitation. Keep in mind, submission through an online portal will require a user log-in which can take time to obtain. Please contact [NU-RES@northeastern.edu](mailto:NU-RES@northeastern.edu) if you need assistance to affiliate existing system usernames with Northeastern University. [Guidelines and policies related to proposal submission, including rate agreements and institutional information are located on the Policies & Guidelines page.](#)

**<https://research.northeastern.edu/nu-res/policies-guidelines/>**





### **Proposal Preparation Resources**

Your College Department Administrators can help with the following aspects of proposal development:

- Budget preparation
- Use of Northeastern's F&A, fringe, stipend or other rates and institutional data
- Following the correct procedure to prepare, review and route the proposal
- Entering and routing proposals through federal and non-federal systems

# Northeastern University

## Research Enterprise Services

### (NU-RES) / *continued*

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#### **PI Eligibility**

The privilege to act as a Principal Investigator (PI) or a Co-Principal Investigator (Co-PI) on an externally funded project is automatically conferred upon all Northeastern tenure track/tenured faculty members. Those without tenure or tenure-track appointments must work with their College administration to determine if the College's policies and procedures allow the College to confer temporary PI status. By approving the ePAWs record, the College will convey to NU-RES that they approve of the named PI. More information on PI eligibility can be found by reviewing NU-RES' PI Eligibility Guidelines.

#### **Institutional Proposal Review and Submission**

All proposals submitted on behalf of Northeastern University require institutional review by NU-RES prior to submission to external funding agencies. This includes proposals submitted to other institutions where Northeastern will be a subrecipient.

NU-RES Grant & Contract Officers are responsible for conducting the institutional review of all proposals routed via ePAWS, for compliance with funding agency and University guidelines and policies. NU-RES guarantees an error-free submission if the final, complete application is received by NU-RES for review 5 business days prior to the funding agency's deadline.





For applications received less than 5 business days before the deadline, Investigators assume the risk that their proposal applications may not be successfully submitted by the funding agency's deadline, may be rejected by the agency because of technical deficiencies, and are also subject to administrative withdrawal by NU-RES if, upon full institutional review, there are commitments that cannot be met or issues that cannot be resolved.

A streamlined review is available if the abstract, budget, and budget justification are routed to NU-RES via ePAWS three business days prior to the funding agency's deadline. The final complete proposal should be routed to NU-RES by noon, the business day prior to the agency deadline.

Proposal submission is the last step in the process; once a proposal has been received, reviewed, and approved by NU-RES, authorized institutional officials within NU-RES will submit proposals to the funding agency on behalf of the University.

NU-RES' proposal preparation page outlines our flexible e-submission approach and internal submission guidance, as well as information on connecting to ePAWS.

**<https://research.northeastern.edu/nu-res/lifecycle-management/develop-proposal/proposal-prep/>**





# **Award Acceptance**

# Agreement/Award Review & Processing



NU-RES is responsible for award acceptance of grant, cooperative agreement, and contract terms and conditions, as well as drafting, reviewing, and negotiating of sponsored research and related agreements (e.g. incoming or outgoing subawards and unfunded agreements), described below.

An award is not accepted until it has been reviewed and, as applicable, signed by NU-RES.

Generally, grants and cooperative agreements are straightforward and provide favorable terms by nature, requiring little to no negotiation. Many times, these agreements do not require signatures and terms are “agreed to” once NU begins to draw funds or perform the scope of work. With grants and cooperative agreements, institutional review includes documenting adherence to funding agency and University policies such as reporting, regulatory compliance, effort and salary commitments, cost share, and other key obligations.

By contrast, other transaction authorities, contracts, subcontracts, and subawards are more restrictive and often require negotiation with the funding agency before terms can be agreed upon. The complexity of the agreement, nature of the research or activity to be performed, and the stance taken by the funding agency will dictate the level of negotiation.

Academic freedom and openness in research are paramount at Northeastern. The purpose of NU-RES’ review is to protect these interests of Northeastern University and its researchers while balancing the needs of the funding agency.

# Agreement/Award Review & Processing / *continued*

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**Unfunded agreements requiring drafting, review, negotiation, approval and signature by NU-RES include:**

**Non-Disclosure Agreements (NDA)** – Sometimes referred to as a CDA (Confidential Disclosure Agreement), an NDA is used to outline information that two parties want to share for evaluation purposes but wish to restrict from wider use and dissemination.

**Material Transfer Agreements (MTA)** – Contractual document used for the acquisition of various biological, chemical, and research materials. Often these materials are proprietary, and the MTA is used to assert the parties' rights and set restrictions on the use and distribution of materials.

**Data Use and Transfer Agreements (DUA/DTUA)** – Contractual document used for the transfer of data that has been developed by nonprofit, government, or private industry, where the data is nonpublic or otherwise subject to some restrictions on its use. DUAs are most commonly used to exchange personally identifiable information (PII) and/or protected health information (PHI) resulting from research involving human subjects or other confidential and/or proprietary data.

University Standard templates are available on the NU-RES website and may be used to expedite engagement with a broad range of funding sources, particularly industry partners:

**<https://research.northeastern.edu/nu-res/corporate-sponsored-research-agreement/>**





All requests for the drafting and/or review of research-related agreements must be routed to NU-RES via the Electronic Contract and Legal Agreement Workflow System (eCLAWS).

Instructions for routing and checking the status of an agreement can be found on the eCLAWS Training webpage.

**<https://research.northeastern.edu/nu-res/ecd-eclaws-epaws/eclaws/eclaws-training/>**



# Negotiation & Signature



Institutional officials within NU-RES are the authorized signatories for research-related agreements (including funded or unfunded agreements and/or subawards). Faculty and researchers are not authorized to bind Northeastern University to contractual terms and conditions.

Faculty and researchers should contact NU-RES with any questions.

## **NU-RES Research Administration Contacts**

All NU-RES contacts can be found here:

<https://research.northeastern.edu/nu-res/contact/>



# Office of the General Counsel (OGC)



The Office of the General Counsel is responsible for all aspects of the legal representation of Northeastern University and strives to be proactive in meeting the University's legal needs. The Office centralizes and coordinates all legal services at the University, provides legal advice, guidance, and services to all senior University officials and their departments, and promotes a forum in which legal issues can be addressed and resolved, if possible, in a fair, speedy, and thoughtful manner. The Office participates in the creation and implementation of University policies on a wide range of matters that may have legal components to ensure consistent legal analysis and coordination of substantive decision-making.

OGC has staff focused on research enterprise and should be consulted on an as needed basis regarding sponsored research matters.

OGC also maintains and approves all university policies.

**<https://generalcounsel.northeastern.edu/>**







# Research Compliance

# Institutional Animal Care & Use Committee

(IACUC) A/K/A Division of Laboratory Animal Medicine (DLAM)



Northeastern University strives to operate in an ethical, honest, and lawful manner and expects all members of the University community to conduct their activities in accordance with University policies and applicable law.

NU-RES works with compliance partners across the University in identifying compliance risks, communicating and training on regulatory requirements, and advancing awareness and best practices.

Resources on many compliance topics ranging from Research and Regulatory Compliance, Responsible Conduct of Research, and training are available to assist Faculty, Investigators and College administrators in ensuring compliance in all research activities.

## **IACUC A/K/A Division of Laboratory Animal Medicine (DLAM)**

The mission of Northeastern's animal care program is to facilitate and support high quality research through a comprehensive program of humane and ethical animal care and use practices. This is accomplished by providing excellent husbandry, veterinary care, instruction, and technical knowledge. We believe the use of animals for research benefits human and animal kind alike. We also believe the use of animals for research is a privilege, one that must follow sound scientific and ethical principles. We are committed to these principles and to ensure the use of animals meets or exceeds the guidelines and principles governing the use of animals for research. All research using vertebrate animal models must be approved as part of an animal care and use protocol. If you have questions regarding using animals in research, including animal housing facilities or IACUC protocol submissions, please visit the Animal Care and Use Website (please use your NU credentials to access it) or contact the DLAM/IACUC Office at [iacuc-office@northeastern.edu](mailto:iacuc-office@northeastern.edu).

**<https://animalcare.research.northeastern.edu/nu-iacuc/>**



# Office of Academic & Research Safety (OARS) & Institutional Biosafety Committee (IBC)



The Office of Academic & Research Safety (OARS) offers programs, services, and expertise to assist you in all areas of research safety including biological safety, chemical safety, radiation safety, and the use of controlled substances. OARS also oversees the management of the University's Laboratory Safety Committee, Radiation Safety Committee, and Institutional Biosafety Committee (IBC). In conjunction with other University partners, OARS also provides assistance in the areas of lab related exposure monitoring and hazardous, radiological, biological, and other special waste management and disposal.

Before you start your research and when process and personnel changes occur for existing research, it is important to contact OARS to ensure the research you perform is done safely and in compliance with federal, state, and local laws. It is everyone's responsibility to ensure all Northeastern campuses operate in a safe and compliant manner.

It is also important that all faculty regularly review the university's policies that apply to safety and regulatory compliance in laboratories, including the Policy on Environmental Health and Safety and the Policy on Restricted Access and Supervision Requirements for Laboratories and Support Rooms

If you have questions, please contact [oars@northeastern.edu](mailto:oars@northeastern.edu)

**<https://oars.northeastern.edu/>**



# Human Research Protection Program (HRPP) & The Institutional Review Board (IRB)



The Human Research Protection Program (HRPP) serves several critical functions within Northeastern's research enterprise:

- Educates members of the University community about the ethical principles guiding human subject research.
- Assists students, faculty and staff in obtaining approval for teaching and research activities under those guidelines.
- Ensures University-wide compliance with federal, state, and University regulations relating to the protection of human subjects.
- Provides central administration to the Northeastern University Institutional Review Board (IRB) and serves as the primary point of contact for all IRB-related issues.

If you have not completed human subject protection training, Northeastern University utilizes CITI for Human Subjects Training. All NU-affiliates can take the CITI training course at no charge. Please register using your NU email address and then complete the CITI Social & Behavioral Research Stage 1 Basic Course (course number 55041274). It is the policy of Northeastern University that no activities involving human subjects be undertaken until those activities have been reviewed and approved by the University's Institutional Review Board (IRB). Accordingly, all University research involving human subjects must first be reviewed by the Human Research Protection Program.

If you have any questions about human subject research and/or the need for IRB review, please contact Rae Mwangi [r.mwangi@northeastern.edu](mailto:r.mwangi@northeastern.edu)

# Unmanned Aircraft Systems (UAS) Review Board



The Unmanned Aircraft System (UAS) Review Board is responsible for reviewing, approving, and monitoring the use or proposed use of UAS, also known as drones, on University property for any reason, including for education, research, recreational or commercial purposes.

In reviewing applications for use of UAS on University property, the Review Board follows guidance from the University Policy on UAS, the University's Small UAS (sUAS) Guidelines, and Use Restrictions developed by the Office of Risk Services, as well as FAA regulations.

For any questions or concerns regarding this process, please contact the UAS Review Board at [UASRB@northeastern.edu](mailto:UASRB@northeastern.edu).

**<https://risk-services.sites.northeastern.edu/uas-drones/>**



# Research-Related Conflict of Interest (COI)



A financial conflict of interest (FCOI), as detailed in the FCOI Policy, is a financial interest held by an Investigator that could directly and significantly affect the design, conduct, or reporting of research.

Northeastern University's Policy on Financial Conflict of Interest Related to Research is designed to help Northeastern Faculty members engaged in research comply with federal FCOI regulations, as well as other federal funding agency COI policies, including other types of research-related conflicts of interest could include a conflict of commitment (such as holding leadership roles or appointments at another entity) or sitting on a peer review committee.

For questions regarding COI regulations and the University's implementation of various agency requirements, contact [researchcompliance@northeastern.edu](mailto:researchcompliance@northeastern.edu).

**<https://nu-res.compliance.northeastern.edu/disclosing-conflicts-of-interest-cois-in-research/>**



# International Engagements



In response to concerns raised by the U.S. federal government related to national and research security, Northeastern approved a Policy on International Engagements. The new policy provides a process for the university to be aware of international activities before they occur, enabling the university to provide faculty with guidance and information about what disclosures they may need to make to the federal government. Please note that the policy requires disclosure of both funded and unfunded collaborations of more than two weeks in duration.

**<https://nu-res.research.northeastern.edu/compliance/international-engagements-compliance/>**



# Export Control



Northeastern University engages in research and educational activities that may involve the development or use of products, goods, hardware, software, materials, or technology that may be subject to U.S. export control laws and regulations. The U.S. government is increasingly focused on the compliance of universities with these laws and regulations. Northeastern is committed to complying with all applicable export controls. It is critical that everyone in the Northeastern community understands the rules and complies with them fully.

As a global university, NU works with our partners in the UK and Canada to navigate various export control regulations as they relate to specific research activities.

If you have any questions regarding export controls or believe that export controls may apply to your research project, please contact [exportcontrols@northeastern.edu](mailto:exportcontrols@northeastern.edu) to arrange a consultation.

**<https://nu-res.compliance.northeastern.edu/export-controls-and-controlled-unclassified-information-cui/>**





# Controlled Unclassified Information (CUI)



Controlled Unclassified Information (CUI) is defined as federal non-classified information that the U.S. Government creates or possesses or that a non-federal entity (i.e. Northeastern) receives, possesses, or creates for, or on behalf of the U.S. Government, that requires safeguarding through certain information security controls. CUI may include research data and other project information that a research team receives, possesses, or creates during the performance of a contract funded by the federal government. CUI may be received or generated by any Northeastern campus. The Research Compliance team will provide guidance on how to store CUI, as the handling instructions vary by category and agency. Please contact [cui@northeastern.edu](mailto:cui@northeastern.edu) for a consultation.

Classified information is excluded from the CUI program because it is subject to other rules and authorities. Within the Northeastern network, only KRI, LLC is authorized to participate in classified research and/or receive or transmit classified information.

Northeastern University engages in research and educational activities that may involve the development or use of CUI. The U.S. government is increasingly focused on ensuring universities comply with CUI protections. Northeastern is committed to complying with applicable CUI regulations and protections, as established by the applicable federal regulations. Northeastern offers a selection of appropriate environments for researchers to access, analyze and store CUI data in. CUI safeguarding requirements will depend based on the category of CUI. It is critical that everyone in the Northeastern community understands the rules and fully complies with them.

If you have any questions regarding CUI or believe that you will receive or generate CUI during the course of your research project, please email [CUI@northeastern.edu](mailto:CUI@northeastern.edu)  
**<https://nu-res.compliance.northeastern.edu/export-controls-and-controlled-unclassified-information-cui/>**



# Research Integrity and the Responsible Conduct of Research (RCR)



Today's research environment presents increasingly complex ethical and regulatory issues. As a result, many research sponsors and scientific organizations now consider formal instruction in the Responsible Conduct of Research (RCR) to be an essential component of research training in the sciences. In keeping with this view, two key federal awarding agencies, NSF and NIH, have specific requirements around RCR training. RCR in the sciences has been defined by the NIH as: "the practice of scientific investigation with integrity. It involves the awareness and application of established professional norms and ethical principles in the performance of all activities related to scientific research."

In addition to the mandated requirements, Northeastern offers additional topic areas designed to facilitate interdisciplinary and practical approaches to RCR. **<https://nu-res.compliance.northeastern.edu/responsible-conduct-of-research-program/>**





# **Data Management**



## Research Data Services

Research data should be appropriately managed to 1) provide greater visibility for your research, 2) enable simpler sharing and collaboration, 3) streamline data collection & findability within your lab or research group and 4) fulfill grant funding agency requirements.

Data Management Support (DMS) within Northeastern's library can help facilitate your research processes and ensure long-term access to your research data. DMS strives to support Northeastern's data-intensive teaching, research, and scholarship activities by assisting with data management plans (DMPs) for grant applications for all federal agencies, and non-federal if required, as well as advice and support in areas of data management, standards, documentation and organization to promote preservation and reuse of all data types. The Data Management Plan Online Tool (see below) creates easy-to-use DMPs for specific grant-funding agencies, including the NIH and more than a dozen NSF directorates. Researchers can collaborate with co-authors on data management plans for grant proposals and access funder information, sample plans, suggested answers, and links to data management resources specific to Northeastern University.

[https://library.northeastern.edu/data\\_services/research-data-services/](https://library.northeastern.edu/data_services/research-data-services/)



Data Management Plan tool: <https://dmptool.org/>





# Research Computing

# Research Computing



As a researcher at Northeastern University, you can take advantage of the comprehensive research computing offerings and services available to you—including access to centralized high-performance computing (HPC) clusters, storage, visualization, software, high-level technical and scientific consultations, documentation, and training.

A key feature of Northeastern's Research Computing program is the Massachusetts Green High-Performance Computing Center (MGHPCC) located in Holyoke, MA. MGHPCC is a 90,000 square foot, 15-megawatt research computing and data center facility that houses computing resources for five institutions: Northeastern University, Boston University, Harvard University, the Massachusetts Institute of Technology, and the University of Massachusetts. These resources are available to all faculty and students, with dedicated Research Computing staff available to assist researchers through consultations on how to leverage hardware and software for scientific applications and workflows. The team updates computational resources available through MGHPCC with the newest technologies on a yearly cycle to support the cutting-edge research being performed by Northeastern faculty and students.

Research Computing: [rchelp@northeastern.edu](mailto:rchelp@northeastern.edu)

**<https://rc.northeastern.edu/>**







# **Financial Award Management**

# Spending on Your Research Projects



To begin to expend funds for your research projects, start by connecting with your College's research administration and finance staff. They will help you obtain an account, make purchases and appoint staff, access systems, and monitor your finances. They will work closely with the Research Finance team in NU-RES to set up the correct account with a budget linked to your sponsored awards.

When you are ready to appoint research staff, your College research administration and finance staff, as well as your HR representative will walk you through the process.

As a PI on a sponsored award, you should be regularly monitoring your expenditures to ensure the best, most appropriate and most efficient use of your funds. You are responsible for spending research funds according to both the sponsor guidelines, any applicable terms & conditions of the award, and Northeastern's policies. Most sponsored awards will have associated reporting requirements and other deliverables, that are the responsibility of the PI to complete in a timely manner. College administrative and finance staff should be able to assist with these activities, though Colleges vary in the services available.



# Research Finance, NU-RES

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NU-RES Finance is here to support you with post-award financial needs. NU-RES Finance provides assistance with research-related transactions. The NU-RES Finance team also manages financial reporting and invoicing to all external funding agencies/sponsors. They work closely with Department Administrators to track and manage the financial aspects of awards. The projects are set up in Banner, the University's financial system, so you can begin utilizing funds for your project. Any changes to the award will be reviewed by NU-RES and updated in Banner accordingly.

The Principal Investigator (PI) on a sponsored award serves as the primary individual responsible for the scientific integrity and fiscal and administrative management throughout the life cycle of the award in accordance with the sponsor guidelines, any applicable terms & conditions of the award, and Northeastern's policies. Your College administrative, finance and HR staff should be able to assist you with starting your project with making purchases and appointing staff, access systems and monitor your finances. You should be regularly monitoring your expenditures to ensure the best, most appropriate and most efficient use of your funds. Most sponsored awards will also have associated reporting requirements and other deliverables that are also the responsibility of the PI to complete in a timely manner. Your College administrative team will work with central offices throughout the process and help in reducing the administrative burden, where possible.

## **Account Set Up**

Once an award has been accepted, all supporting documentation is sent to NU-RES Finance to be processed for account set up in the Banner Financial System. This will allow the PI to begin spending on the project and posting positions for hire. Banner account information will be conveyed to the PI, College administration, as well as NU-RES administrative and financial personnel. Setups are completed within 5 business days of receipt.

## **Managing a Project**

While Northeastern University is the awardee organization, the PI is the primary individual responsible for the proper management of the project, as they are in the best position to oversee



the completion of proposed aims, as well as the allocation of funds and personnel in support of those aims. The PI, the College, and NU-RES all play critical roles in ensuring that Northeastern is an effective steward of funds. Roles and responsibilities are outlined here: <https://research.northeastern.edu/nu-res/lifecycle-management/develop-proposal/roles-and-responsibilities/>

Effective stewardship through robust award management builds trust with our collaborators and funding agencies and supports Northeastern's growth as a preeminent research institution.

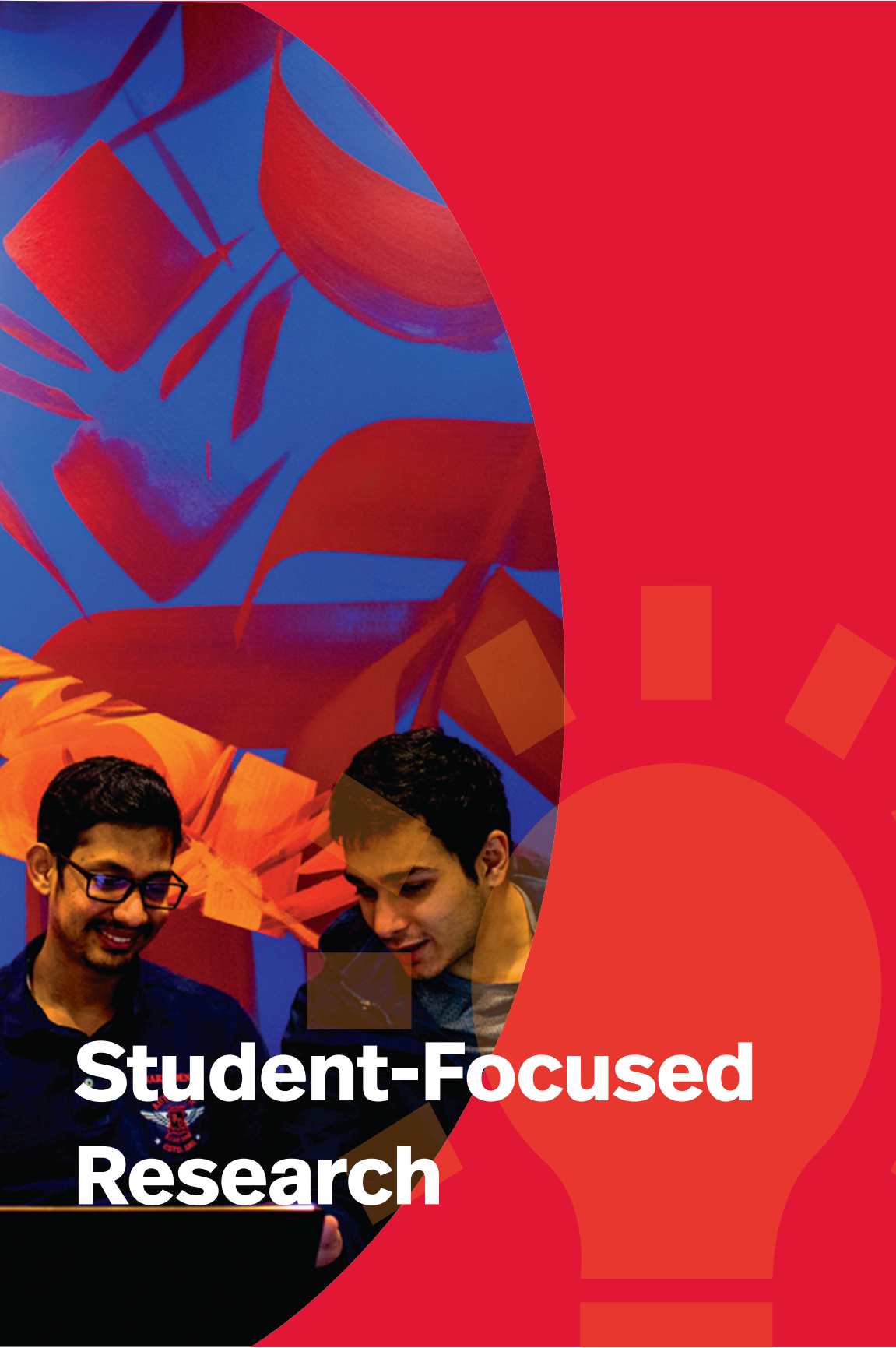
There are various ways to monitor the finances of your project. Cognos, Priority, ePrints, and SNAP reports are the various reporting systems that will allow you to review your expenses and make any adjustments if needed. It is recommended that you review your reports monthly so that spending and project progress is aligned. Your College administration can help you in your review as well. NU-RES Finance can work with your research team to ensure you are on target with your spending and complying with the terms and conditions of the award

### **Closing a Project**

Closeout of a grant, cooperative agreement or contract is a required element of most sponsored research projects. Upon reaching the project end date, the PI, College administrators, and NU-RES must verify all research activities have been completed and deliverables have been met. Colleges and PIs must work with NU-RES to submit final financial reports/invoices (NU-RES Finance) and non-financial reports (NU-RES Administration), as required by Sponsors. PIs are generally responsible for submission of technical reports or other technical deliverables. If PIs require additional time to complete the project, they must work with Grant Officers to pursue a no-cost extension. **[nu-res@northeastern.edu](mailto:nu-res@northeastern.edu)**

**<https://nu-res.research.northeastern.edu/contact/>**





# Student-Focused Research

# Graduate Researchers



Northeastern is a vibrant community of scholars with research that impacts society. PhD students pursue degree programs in the health sciences, computer & information sciences, engineering, and sciences, as well as the social sciences & humanities.

Northeastern offers graduate students a variety of resources to help them finance their education, including assistantships, scholarships, grants, loans, and work-study awards. Students should also consider starting their Free Application for Federal Student Aid (FAFSA), the first step toward receiving financial support from the federal government. Some assistantships are promised at the time of acceptance; others may be awarded at any time. Prospective students should visit their desired College's website to determine for which assistantship they're eligible.

**Research Assistantships (RA)** – Research assistants are involved in research activities under the direct supervision of regular faculty members. Research assistant positions are funded through externally funded grants.

**Teaching Assistantships (TA)** – Teaching assistants help faculty members in capacities that involve direct contact with either undergraduate or graduate students, such as serving as grading assistants or holding office hours.

**Stipend Graduate Assistantships (SGA)** – Doctoral students are eligible for an SGA, which offers a stipend, tuition remission, and health plan that covers the entirety of their program (see also PhD Network). A number of Colleges require tuition remission contribution to be budgeted into grant proposals.

<https://www.northeastern.edu/graduate/>



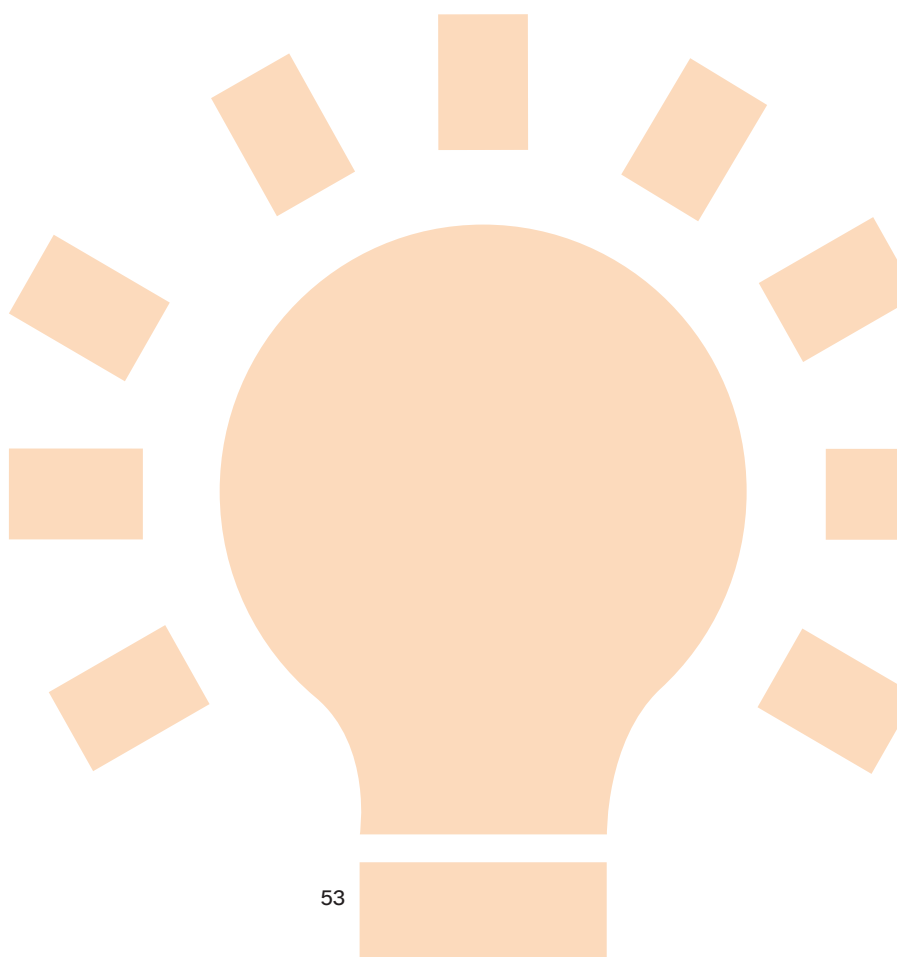
# Undergraduate Researchers

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The Office of Undergraduate Research and Fellowships (URF) fosters a culture of undergraduate research and creative endeavor—broadly defined—at Northeastern University. Research and creative endeavors are key components of Northeastern’s experiential learning model. Experiences can range from laboratory bench work to the analysis of big data to archival research to collaborative theatre productions. This work can take place in a variety of contexts and formats, including lab-based research, courses, co-ops, community-based endeavors. The Office of Undergraduate Research and Fellowships, along with other offices and programs on campus, support students through workshops, mentoring, and consultation on applications for distinguished fellowships and advanced study; funding through the University-wide Project-Based Exploration for the Advancement of Knowledge, or PEAK Experiences Awards; and much more. The Research Development offices at individual Colleges may also have resources for identifying student researchers. Northeastern undergraduates are an important part of Northeastern’s research and creative culture, and they frequently present their findings at national and international conferences; in scholarly journals and other field appropriate venues; and at the University’s annual Research, Innovation, and Scholarship Expo (RISE).

**<https://undergraduate.northeastern.edu/research/>**







# **Innovation, Intellectual Property, Tech Transfer and Development, and Venture Creation**



## Center for Research Innovation (CRI)

The Center for Research Innovation (CRI) is focused on the translation and development of University innovations into tangible solutions for unmet challenges through corporate engagement, licenses, spinouts, and collaborations. Our dedication to establishing ongoing relationships with industry informs Northeastern's progressive research, enabling a productive balance between exploration and implementation

**General contact:** [CRI@northeastern.edu](mailto:CRI@northeastern.edu)

**Agreements:** [CRIAgrreements@northeastern.edu](mailto:CRIAgreements@northeastern.edu)

**Disclosures:** [Disclosure@northeastern.edu](mailto:Disclosure@northeastern.edu)

<https://cri.northeastern.edu/>





# Discovery and Disclosures



Safeguarding Northeastern ingenuity is a fundamental responsibility of the Center for Research Innovation. The CRI proactively identifies world-changing innovation within Northeastern's labs and develops approaches to intellectual property across our global campuses and strategies for the protection of our patent and software assets.

If you have an idea for an innovation, submit a disclosure through our Inventor Portal so we can kick off our partnership with you. If your research or inventions can help to solve industry needs, the CRI can introduce you to actively interested companies. If you are contemplating a line of research and would like to gauge industry interest or seek additional funding, we can help secure feedback to inform the research and connect you with our industry contacts. If you need to report an invention to a research sponsor, we hold Northeastern's iEdison account and proactively connect with corporate and foundation sponsors. If you need a contract that covers intellectual property, commercial uses, or other commercialization interests, CRI tailors, negotiates, and signs contracts in support of our researchers.

With a focus on connectivity, the CRI's signature programs facilitate industry partnerships, promote innovative education, and catalyze technological development. These programs bring together industry professionals and academic researchers so that Northeastern's use-inspired solutions continue to drive change and address society's challenges.

# University Spinouts



At the Center for Research Innovation, we specialize in turning academic innovations into market successes. Our team brings a wealth of business experience, having been instrumental in launching, nurturing, and driving innovation in numerous ventures. We're here to connect you with investors, channel partners, and strategic allies, guiding your journey from research to real-world impact. Let's bring your ideas to life.

# Spark Fund



The Spark Fund is an evergreen fund dedicated to bringing transformational research and market-breaking ventures to life. The fund seeks to invest in early-stage technologies with identifiable commercial potential to bridge the gap between promising lab results and demonstrating a commercially viable prototype. Commercial outcomes can take the shape of industry licensing, spinout creation, and venture acceleration.

# NAI Northeastern Chapter

Recognizing and Inspiring our Community of Unparalleled Inventors



Embracing our century-long leadership in experiential education, translational research, and global presence, Northeastern's chapter of the National Academy of Inventors (NAI) serves to empower inventorship and entrepreneurship across the innovation ecosystem by recognizing, inspiring, educating, and connecting, members of the academic and industrial communities.

# Venture Creation Center at the Burlington Campus

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Inside the Innovation Campus' Venture Creation Center, emerging companies advance the research underlying their innovations. With support from Northeastern's entrepreneurial ecosystem, they move from proof of concept to preparing to commercialize their technologies off site. Faculty research gives rise to early-stage companies in this cost-efficient, low-rise facility and wet laboratory. Incubated here are breakthrough technologies, including those designed to redress crumbling infrastructure, test disease-fighting drug compounds, and model climate change. The center has recently tripled in size, with 30,000 square feet available for early-stage companies.

**<https://www.burlington.northeastern.edu/research/early-stage-companies/>**







# Research Resources

# Northeastern Colleges and the Associate Deans for Research (ADR)



## **Bouvé College of Health Sciences**

**Gene Tunik**

Associate Dean of Research and Innovation  
[e.tunik@northeastern.edu](mailto:e.tunik@northeastern.edu)

## **College of Arts, Media & Design**

**Brooke Welles**

Senior Associate Dean for Research  
and Partnerships  
[b.welles@northeastern.edu](mailto:b.welles@northeastern.edu)

## **College of Engineering**

Position vacant at time of publication

**Interim Contact: Mariah Nobrega**

Assistant Dean  
of Research and Faculty Development  
[m.nobrega@northeastern.edu](mailto:m.nobrega@northeastern.edu)

## **College of Science**

**Erin Cram**

Associate Dean for Research  
[e.cram@northeastern.edu](mailto:e.cram@northeastern.edu)

## **College of Social Sciences & Humanities**

**Natasha Frost**

Associate Dean of Research  
[n.frost@northeastern.edu](mailto:n.frost@northeastern.edu)

## **D'Amore-McKim School of Business**

**Koen Pauwels**

Associate Dean of Research  
[k.pauwels@northeastern.edu](mailto:k.pauwels@northeastern.edu)

## **Khoury College of Computer Sciences**

**Predrag Radivojac**

Associate Dean of Research  
[p.radivojac@northeastern.edu](mailto:p.radivojac@northeastern.edu)

## **Northeastern University School of Law**

**Lua Yuille**

Associate Dean for Research  
and Interdisciplinary Education  
[l.yuille@northeastern.edu](mailto:l.yuille@northeastern.edu)

## **College of Professional Studies**

**Francesca Grippa**

Associate Dean of Research  
[f.grippa@northeastern.edu](mailto:f.grippa@northeastern.edu)

## **Mills College at Northeastern University**

**Priya Marian Shimpi Driscoll**

Interim Associate Dean  
of Research and Partnerships  
[p.driscoll@northeastern.edu](mailto:p.driscoll@northeastern.edu)

## **Northeastern University London**

**Carolyn Barker**

Associate Dean for Research and Knowledge  
[car.barker@northeastern.edu](mailto:car.barker@northeastern.edu)



# Provost-Funded Research Institutes

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## **Coastal Sustainability Institute (CSI)**

Director: Geoffrey Trussell, Professor and Chair, Marine and Environmental Sciences

## **Cybersecurity and Privacy Institute (CPI)**

Executive Director: David Choffnes, Associate Professor,  
Khoury College of Computer Science

## **Global Resilience Institute (GRI)**

Co-Directors: Auroop Ganguly Professor of Engineering, and  
Daniel Aldrich, Professor of Political Science

## **Institute for Chemical Imaging of Living Systems (CILS)**

Director: James Monaghan, Professor of Biology

## **Institute for Experiential AI (EAI)**

Executive Director: Usama Fayyad, Professor of the Practice

## **Institute for Experiential Robotics (IER)**

Director: Taskin Padir, Associate Professor, Electrical and Computer Engineering



### **Institute for Mechanobiology**

Director: Ning Wang, Professor, Bioengineering

### **Institute for NanoSystems Innovation (NanoSI)**

Director: Matteo Rinaldi, Professor, Electrical and Computer Engineering

### **Institute for the Wireless Internet of Things (WIOT)**

Director: Tommaso Melodia, William Lincoln Smith Chair Professor,  
Electrical and Computer Engineering.

### **Kostas Research Institute at Northeastern University (KRI)**

Tom Vaneck, CEO, KRI LLC & Director, Kostas Research Institute

### **Network Science Institute (NSI)**

Director: Alessandro Vespignani Sternberg Family Distinguished University Professor  
Executive Director: Kathryn Coronges

### **Quantum Materials and Sensing Institute (QMSI)**

Director: Arun Bansil, University Distinguished Professor, Physics  
Deputy Director: Swastik Kar, Professor, Physics

# Other Research Institutes and Centers



For a complete list of research institutes and centers at Northeastern University, please refer to the research website.

**<https://research.northeastern.edu/about/institutes-centers/>**



# Northeastern Network Global Campuses



For more than 100 years, Northeastern has been a world leader in experience-driven learning, creating a distinctive approach to teaching and research. You can find this unparalleled, powerful approach throughout North America through our network of locations. Not only will you receive the same career-advancing education that has made us a top-tier University, but you'll also find programs tailored to meet the unique, in-demand needs of each region.

## **Arlington, VA**

Northeastern University established the Arlington Research Campus in March 2021. The Arlington Campus is centrally located in the National Capital Region, home to the core of government and defense programs. The Arlington Campus has two missions; to offer educational programs to students and professionals and to support government mission-driven agencies focusing on defense and security-related research, while also providing secure collaboration space within the Northeastern Global Research Network.

Moreover, the campus affords the capability found in few other academic settings to conduct secure research, with cleared personnel, into the most complex and specific challenging research needs.

Areas of research focus at Arlington include Network Science, Robotic Systems, Materials and Devices, Cybersecurity, Data Analytics, and Systems Modeling.

## **Jamie Jones Miller**

Regional Dean and CEO, Arlington Campus

**[ja.miller@northeastern](mailto:ja.miller@northeastern)**.

# Northeastern Network Global Campuses / *continued*

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## **Boston**

Northeastern's flagship campus builds on Boston's legacy of innovation. Students tackle some of the world's most pressing problems alongside expert faculty in our more than 30 federally funded research centers; develop 3D print models and laser cut projects inside the University's cutting-edge Snell Library; and apply what they learn in high-tech classrooms to real-world challenges facing local nonprofits, for-profits, and government agencies.

## **Burlington**

Northeastern's Innovation Campus at Burlington, MA (ICBM) accelerates technology and innovation through a powerful model of research driven by partnerships. Here, faculty and students work closely with experts from industry, government, and academia, translating discoveries into revolutionary new technologies, materials, and systems. The 14-acre campus is a hub of research breakthroughs and entrepreneurship. Companies, government agencies, universities, and startups convene on site, attracted by a unique set of benefits.

Areas of research focus at Burlington include Materials and Devices, Unmanned Aerial Systems (UAS), Cybersecurity, Additive Manufacturing, Nanomanufacturing, Structural Testing, Data Analytics, Biotechnology, and Systems Modeling and Network Science.

### **Rachel Spiller**

Associate Vice President, Innovation Campus at Burlington MA  
[r.spiller@northeastern.edu](mailto:r.spiller@northeastern.edu)

### **Tom Vaneck**

CEO and FSO, KRI LLC and Director, Kostas Research Institute  
[t.vaneck@kri.neu.edu](mailto:t.vaneck@kri.neu.edu)



## **Charlotte**

Northeastern University–Charlotte has grown its portfolio of degree offerings threefold since launching in 2011 as the institution’s first regional campus. Charlotte also houses the Center for Health Sciences focused on building health care talent in collaboration with R&D. Centrally located in Uptown, Northeastern University–Charlotte is as closely connected to industry as are the campus’ graduate degree and certificate programs. The campus is located on the 11th floor of the 101 N. Tryon Building, with approximately 24,000 sq. ft. of office, classroom, conference, workspaces, a medical skills lab and simulation lab spaces.

Current educational programs focus on post-baccalaureate programs in nursing and doctoral programs in education. The Charlotte campus has ongoing clinical partnerships with area hospitals and clinics, an educational partnership with Ft. Bragg and B2B partnerships with several companies in the energy sector. Recent research programs focused on voting rights and women in entrepreneurship.

### **Angela Hosking**

CEO and Regional Dean, Charlotte, NC

**[a.hosking@northeastern.edu](mailto:a.hosking@northeastern.edu)**

# Northeastern Network Global Campuses / *continued*

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## **Miami**

Northeastern's 14th Global Campus, Miami was launched in 2023 to bring the university's experiential learning model to South Florida. The campus is based in the Wynwood neighborhood and offers 20 graduate-level degree programs in technology, health care, and finance. South Florida's rapidly growing economy and booming tech sector is the perfect environment for the campus, providing opportunities for industry collaboration and a demand for newly trained professionals. The campus is designed to fill the future needs of the area's employers using Northeastern's specially designed programs. Through the Miami campus Northeastern is an integral part of the exciting economic expansion in the area.

### **Maria C. Alonso**

CEO and Regional Dean

**[m.alonso@northeastern.edu](mailto:m.alonso@northeastern.edu)**



## **Nahant**

In 1967, the University opened the Marine Science Center in Nahant, Massachusetts—one of the first such research centers in the United States. Over time, the University added new degrees and course offerings, recruited premier faculty, invested in advanced research equipment, and modernized MSC’s labs spaces to encourage scientific discovery and collaboration.

In 2012, Northeastern broadened its marine science focus by launching an initiative powered by multi- and interdisciplinary research. By integrating natural and social science, engineering, and public policy, the initiative aimed to create knowledge and tools to help coastal communities respond to climate change and other threats. By establishing the Coastal Sustainability Institute, Northeastern furthers its commitment to create resilient coastal communities. CSI researchers leverage the resources at the Marine Science Center and collaborate with partners worldwide to develop real-world solutions to coastal threats.

### **Geoffrey Trussell**

Vice President, Nahant, MA Campus

**[g.trussell@northeastern.edu](mailto:g.trussell@northeastern.edu)**



# Northeastern Network Global Campuses / *continued*

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## **New York City**

Northeastern has formally entered into a merger agreement with Marymount Manhattan College in New York City. Marymount Manhattan is a liberal arts college on the Upper East Side of Manhattan with a broad range of undergraduate degree offerings. The merger has been approved by the governing boards of both institutions, subject to final approval by state and federal regulators. This campus will be called Northeastern University – New York City.

## **Portland**

In 2020, Northeastern University launched the Roux Institute at Northeastern University with tech entrepreneur David Roux to build expertise at the intersection of humans and machines. The institute offers graduate education and research capabilities in areas that will revolutionize life and work: AI, computer and data sciences, digital engineering, and advanced life sciences and medicine.

The Institute is designed to spur innovation, build talent, and drive economic growth in Portland, the state of Maine, and the Northeast. Partnerships with industry, academia, and government set the Institute's education and research model apart. As the world leader in experiential learning, Northeastern has a history of aligning students' learning with employers' needs. The Roux Institute now partners with Maine companies to equip the workforce with essential tech skills and to advance research and development. The Institute and its partners will establish an innovation corridor stretching from Boston to Portland and beyond.



In early November 2020, the Roux Institute opened its campus in the city's Old Port district at 100 Fore St., within the facilities of a founding corporate partner, WEX, Inc. The campus, just one block from the eastern waterfront, features 82,000 square feet of space for classrooms, study, meetings, and engineering and computational research. Plans call for a permanent campus by 2028, with increased space for research laboratories and learning spaces, as well as space to support our entrepreneurship programming.

The Roux Institute is fulfilling its economic development mission through a three-part strategy:

- **Learning.** Deployment of tech-forward graduate degree programs and customized learning experiences for partner employees.
- **Research.** Applying computational medicine, engineering, and human data interaction to problems facing Maine employers and society writ large; and
- **Entrepreneurship.** Delivering programming and an environment that supports the establishment and growth of new ventures in Maine in the tech and life sciences sectors.

**Chris Mallett**

Chief Administrative Officer, The Roux Institute

[c.mallett@northeastern.edu](mailto:c.mallett@northeastern.edu)

**Michael Pollastri**

Senior Vice Provost for Portland and Academic Lead, Roux Institute

[m.pollastri@northeastern.edu](mailto:m.pollastri@northeastern.edu)

# Northeastern Network Global Campuses / *continued*

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## **San Jose**

San Jose is the first in a series of educational hubs embedded directly in select Bay Area companies, serving as both an incubator for top talent and a bridge to the region's corporate and startup communities. Located at 4 N. 2nd Street in the heart of downtown San Jose, the San Jose campus is a newly renovated, state-of-the-art facility. It features multimedia classrooms, breakout spaces for group collaboration, a recreation center and game room. Our faculty of industry experts instruct in a technology-focused portfolio of degree and certificate programs aligned with regional needs.

These programs offer working professionals an education tailored for today's workforce, with an emphasis on flexibility, experiential learning, and growth opportunities in emerging and innovative fields. In addition to the academic offerings, the campus as a co-working space for selected ventures led by Northeastern alumni or students. Startups that are chosen by application will be invited to use the space free of charge.

## **Caroline Simard**

Regional Dean, Bay Area Regional Campuses

**[c.simard@northeastern.edu](mailto:c.simard@northeastern.edu)**



## Seattle

Northeastern University–Seattle is in the South Lake Union neighborhood—an epicenter for innovation and discovery. Northeastern’s campus in Seattle has 50,000 square feet classroom, office, and collaboration space in two buildings. Home to industry titans such as Microsoft, Amazon, Costco, Boeing and more, Seattle is identified as the “geekiest” city in the US, with nearly 20% of all residents employed in STEM fields.

The programs offered at the Seattle campus strive to connect technology development to an ability to improve the human experience. Seattle seeks to develop lifelong learners with a desire to do good while they’re doing well, something that’s just as important for our graduates who go to work for Facebook and Google as it is for the those that join non-profits and research institutes. While the majority of the students come to learn about computing at scale—the intersection of AI, Analytics, and Cloud Computing—the hope is to instill a sense of global citizenship at the same time they are developing their technical skills. A second area of focus in Leadership & Management sees over a hundred students enrolled in the MS in Project Management or Doctorate of Education programs. A third area of focus, in Government and Civics, includes working professionals enrolled in the Doctorate of Law & Policy or the MS in Security & Resilience Studies.

Partnerships with industry, non-profits, government, and research organizations are an important part of the Seattle campus experience for our students. The majority of our faculty are part-time adjuncts who work for many of the area’s tech employers, providing first-hand industry experience in the classroom. The campus Dean also has strong connections to the Pacific Northwest National Laboratory.

### Dave Thurman

Dean & CEO, Seattle Campus

[d.thurman@northeastern.edu](mailto:d.thurman@northeastern.edu)

# Northeastern Network Global Campuses / *continued*

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## **Toronto**

Northeastern University–Toronto is the institution’s first international campus and the first comprehensive research University to receive approval by the Ontario government to offer multiple degree programs in the province without a local educational partner. Those degree programs are tailored to Toronto’s economic development needs and delivered in formats flexible to today’s working professional.

Established in 2015, Toronto is Northeastern’s first international campus. With more than 1,400 students, and over 100 staff and faculty, the Toronto campus offers Master’s programs in Project Management, Regulatory Affairs, Analytics, Informatics, Biotechnology, Bioinformatics, Cyber-Physical Systems (Internet of Things) and Information Systems (software engineering). Tailored closely to economic development priorities, these programs offer students flexibility and hands-on experience, alongside the outstanding academic support of a leading global research institution.

Toronto is the capital city of Ontario and the most populous city in Canada and the fourth most populous city in North America. Toronto is known for its diverse industries, strong talent, open immigration, high quality of living and burgeoning startup scene. Many students enrolled at the Toronto campus are working professionals living in the Greater Toronto Area. Our students include many senior professionals. Another significant contingent of students consists of recent graduates from bachelor’s programs who are studying online while beginning their careers. We also serve a number of international students who come to Northeastern with bachelor’s and graduate degrees but are looking to live and work in Canada.

We occupy 25,000 square feet in the heart of downtown Toronto.

## **Aliza Lakhani**

Dean & Regional CEO, Toronto Campus

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## Vancouver

Northeastern University–Vancouver is our first location in British Columbia and second in Canada. We're excited to join the rapid emergence of the international superhub known as the Cascadia Innovation Corridor. Immersed in experiential learning opportunities with local employers, our students develop exceptional relationships with employers well before they graduate. Vancouver has over 100,000 people working in tech, and 10,000+ companies and growing, including Microsoft, Amazon, SAP, Salesforce, Apple, Hootsuite, Slack, Eventbrite and more.

Tailored to Vancouver's needs as a tech and innovation hub, this campus' degree programs offer students and working professionals a clear path to advancing their careers. Our world-renowned experiential approach empowers our students, faculty, alumni, and partners to create impact far beyond the confines of discipline, degree, and campus.

The programs Vancouver offers include the Master of Science in Computer Science program, with focused specializations in Artificial Intelligence, Human-Computer Interaction (HCI) and Software Engineering, and the Align Master of Science in Computer Science, for students without a CS background. Vancouver campus currently offers the Master of Science in Computer Science program, with focused specializations in Artificial Intelligence, Human-Computer Interaction (HCI) and Software Engineering, and the Align Master of Science in Computer Science, for students without a CS background.

## Steven Eccles

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# **Other Resources for Northeastern Researchers**

# Academic Analytics



Northeastern University partners with Academic Analytics to provide faculty with a suite of tools. **Faculty Insight** empowers faculty users to uncover public and private funding opportunities and potential collaborators that span discipline, campus location, and academic age, providing faculty with a competitive advantage when competing for federal research resources. Faculty Insight provides faculty users with an integrated search tool, a pre-populated faculty profile page, a profile editing tool with which to add additional scholarly activity, and targeted funding opportunities—all in one integrated, intuitive interface. Dashboards are also available to executive leadership (access approval and training are required). The **External Discovery Site** is a public facing website encompassing the research portfolio of the entire University, intended to put your research strengths front and center for potential industrial partners, prospective students and faculty members, and the media.

<https://northeastern.sharepoint.com/sites/AcademicAnalyticsNU>





# Community-Engaged Research



Does your research seek to contribute to community impact and social change? Would the results of your research impact community stakeholders? Are you looking to collaborate with a community partner directly to utilize a research-based approach to social change? If these questions are prompting further consideration for you, you should consult resources and best practices around community-engaged research. The Community-Engaged Teaching and Research team at Northeastern can support you in various stages of your research, including but not limited to:

- Consulting around your research proposal, including around broader impacts, appropriate community-engaged research methods, and dissemination techniques.
- Connecting you to community-based collaborators around similar topics.
- Supporting relationship building with potential community partners.
- Sharing resources around community-engaged research best practices.

If you are interested in potential research programs/agendas that involve community, city, or state stakeholders, please contact Community-Engaged Teaching and Research.

**Becca Berkey**

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# Kostas Research Institute (Defense Research)



The Kostas Research Institute at Northeastern University, LLC (KRI, LLC), a wholly owned subsidiary of Northeastern and located on the Burlington campus, provides a collaborative environment where Northeastern faculty and KRI, LLC personnel work together with both the commercial sector and Department of Defense (DoD) contractors and system integrators to promote the transfer of innovative research to the end users. KRI, LLC is a legally distinct entity capable of undertaking specialized research. KRI, LLC can assist faculty with security requirements, including security clearances, visit authorizations, and secure spaces at the KRI, LLC space on the Burlington campus.

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# PhD Network



The Northeastern PhD Network is an organization designed to build community among PhD students. The Network provides students with support and resources University wide to enhance their educational experience and career preparation.

At Northeastern, every PhD student has opportunities to acquire experience beyond traditional dissertation research. Exposure to and integration with our many industry and academic partners – through internships, fieldwork, and other collaborations, and in authentic settings, from laboratories, startup companies, and nonprofit institutions – lead to research with greater impact and broader career opportunities, both within and beyond academia.

## **Sara Wadia-Fascetti**

Professor

Vice Provost for the PhD Network

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A full list of graduate Deans for the Colleges can be found at the PhD Network's website:

**<https://phd.northeastern.edu/network/overview/phd-network-leadership/>**



# Tufts Clinical Translational Science Institute (CTSI)



Tufts CTSI was established in 2008 with a Clinical and Translational Science Award (CTSA) from the National Institutes of Health (NIH). From bench to bedside, to clinical practice, to care delivery and public health, to public policy and beyond, Tufts CTSI is committed to fostering collaboration and innovation across the translational spectrum. The CTSI spans many of the schools of Tufts University, its affiliated hospitals across Massachusetts and Maine, participating universities, community organizations, and non-profit and for-profit organizations. It is also the home of support and education aimed at transforming research across all of our partners. Tufts CTSI has a number of valuable resources for NU faculty, such as the Trial Innovation Network, biostatistical support, connecting to collaborators and clinical partners, grant review, pilot funding, and other resources, or connect with the CTSI Senior Advisor for Research Collaborations.

**Tufts CTSI:** <https://www.tuftsctsi.org/>



## **Gene Tunik**

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