

Research Division:

New Faculty Orientation 2025

Research Development

NU-Research Enterprise Services

Center for Research Innovation

August 20, 2025

Trish Curtin, Interim Vice Provost for Research Development (RD)

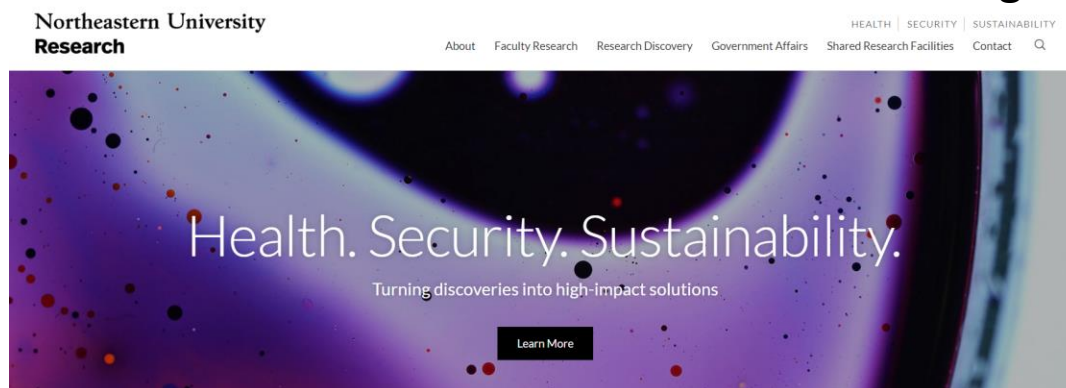
Amanda Humphrey, Chief Research Operations Officer, Northeastern
Research Enterprise Services (NU-RES)

Nancy Wetherbee, Director of Commercialization, Center for Research
Innovation (CRI)

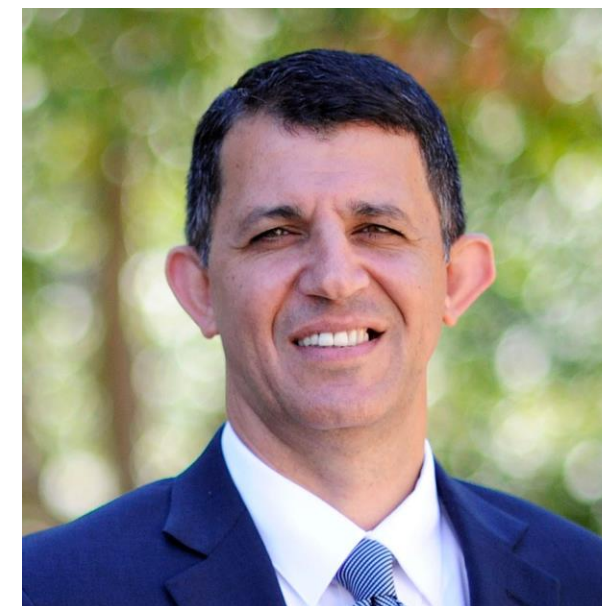
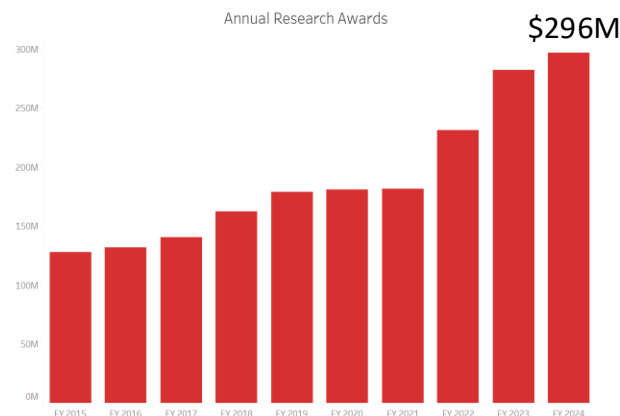
NORTHEASTERN •

Research Division

Northeastern's R1 research enterprise emphasizes use-inspired, interdisciplinary research and translation of scientific discoveries into real-world solutions with a focus on challenges in **health, security, and sustainability**.



- Northeastern has increased research awards from ~\$30M in 2001 to \$296M in 2024
- Commensurate increase in research enterprise support, particularly in the past 4 years
- Focus on research excellence and strategic research initiatives and research institutes in thematic areas



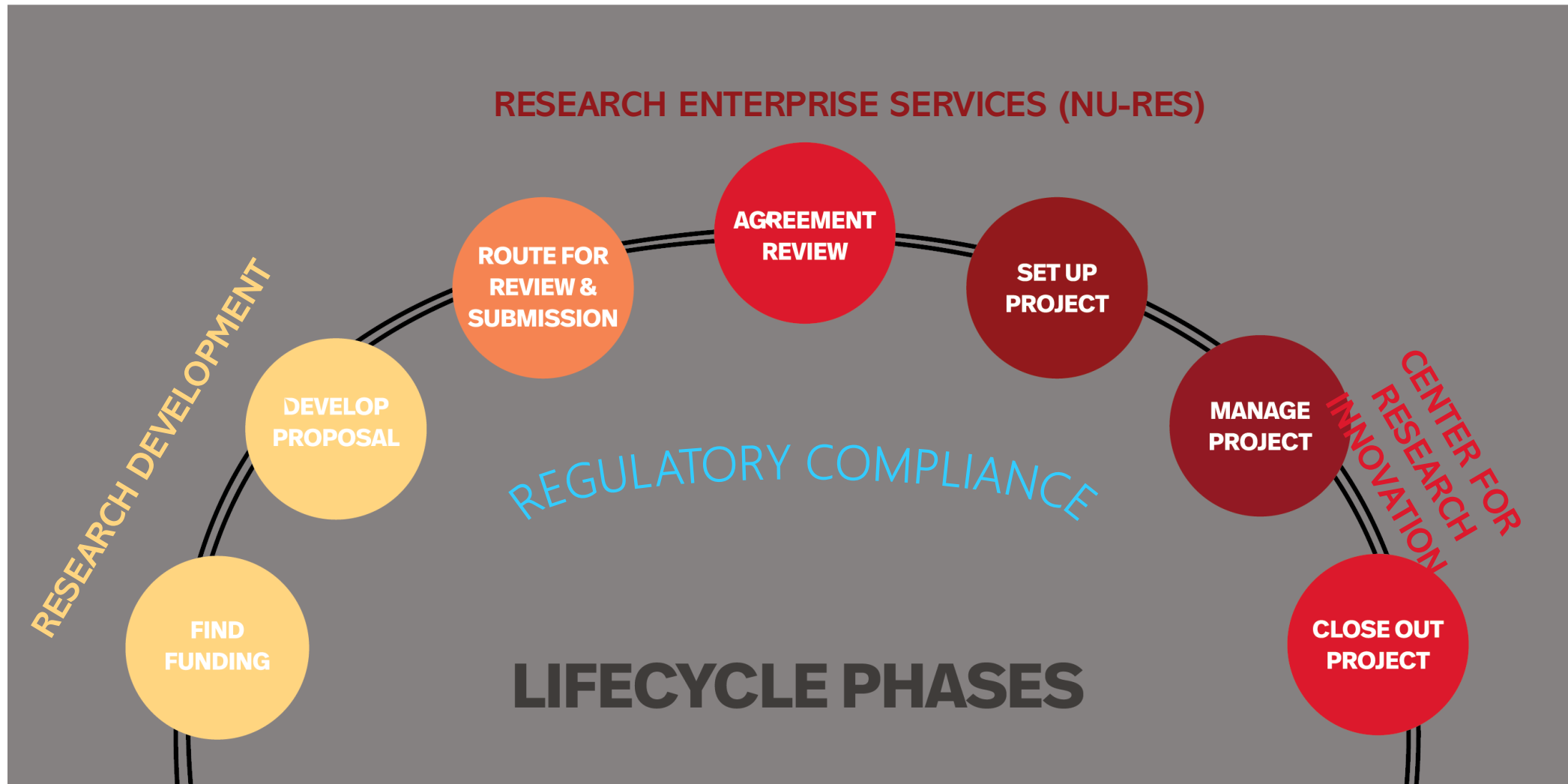
Akram Alshawabkeh
Interim Senior Vice Provost for Research

Key Research Support Offices



Research Development (RD) Trish Curtin	Research Enterprise Services (NU-RES) Amanda Humphrey	Center for Research Innovation (CRI) Nancy Wetherbee
<ul style="list-style-type: none"> • Strategic and tactical support for faculty at all career stages • Manage internal funding programs • Faculty professional development related to research • Support collaborative, high impact proposals • Identify and disseminate funding opportunities • Manage limited submissions 	<ul style="list-style-type: none"> • Institutional review & submission of externally funded grants & contracts • Research-related contracts (inc. unfunded) • Research finance • Award set-up & management • Research compliance & regulatory requirements • Research Security & export compliance • Faculty & Staff training 	<ul style="list-style-type: none"> • Invention protection (patent & copyright) • Sponsored research IP support (with NU-RES) • Commercialization through licensing and industry engagement • Federal Grant support (commercialization section) • IP policy • Conflicts of interest • Compliance (government invention reporting) • Venture development programs
resdev@northeastern.edu	nu-res@northeastern.edu or researchcompliance@northeastern.edu	cri@northeastern.edu

Our Roles in the Research Lifecycle



What is Research Development?

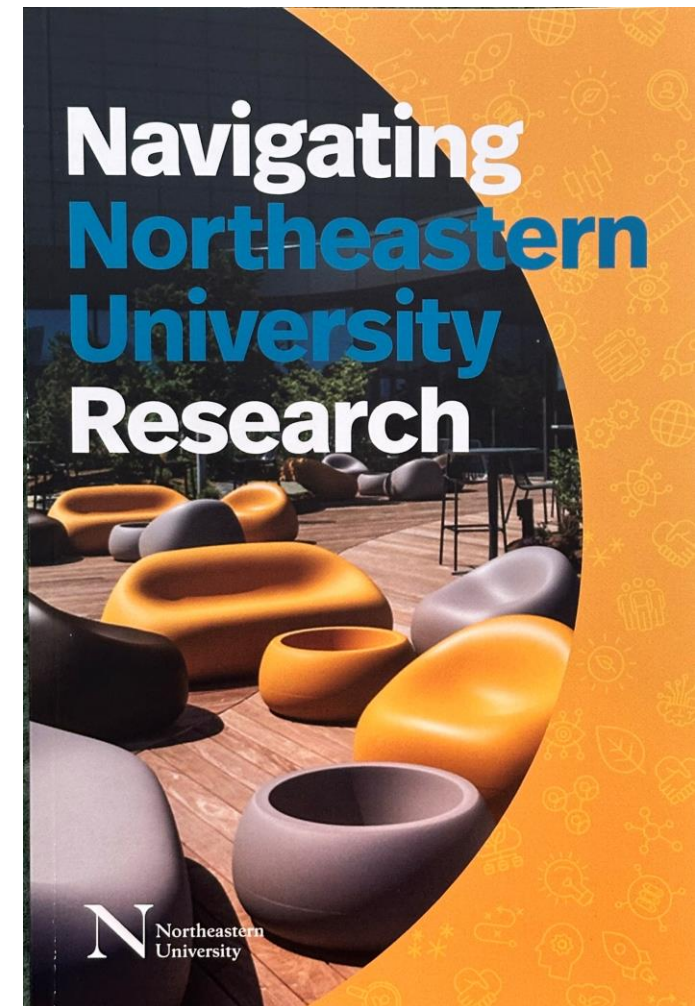
“Set of activities designed to **facilitate individual faculty members, teams of researchers, and central research administrations** in **attracting extramural research funding**, **creating relationships**, and **developing and implementing strategies that increase institutional competitiveness.**”

THE CHRONICLE OF HIGHER EDUCATION

ADVICE

The Emergence of the Research-Development Professional

By Jacob Levin | MARCH 27, 2011



Research Development: Central Team



Trish Curtin
Interim Vice Provost
for Research
Development



Erin Hale
Colleges, Strategic
Initiatives



Zac Perry, Ph.D.
Institutes, Large
Programs



Laura Maliszewski, Ph.D.
Large Projects, Roux,
International



Jenna Horan
Internal Programs



Garrett Morrow, Ph.D.
Limited Submissions



Daniel Mueller
DOD/Events



Caroline Millard, Ph.D.
Events

Research Development: Colleges

College of Engineering



Mariah Nobrega



Jessica Chace, Ph.D.



Helen Fawcett, Ph.D.

Bouvé College of Health Sciences/Charlotte



Melinda Boehm, Ph.D.



Hilary Prosnitz

College of Science



Vance Blankers, Ph.D.

Khoury College of Computer Science



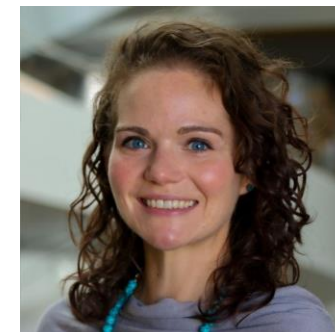
Andrea Stith, Ph.D.

College of Arts, Media & Design



Liz Allen, Ph.D.

College of Social Sciences & Humanities



Kate Duggan

Research Development Support



01

- Offer proposal-related programming – Early Career workshops, etc.
- Collaborate to promote institutional research priorities, centers and institutes
- Provide strategic advice and resources
- Evaluate reviews from unfunded grant proposals; recalibrate for strategize next steps

02

- Disseminate curated grant opportunities (weekly digests, pivot, academic analytics)
- Provide outreach to faculty for specific opportunities aligned with their research
- Manage limited submissions internal process

03

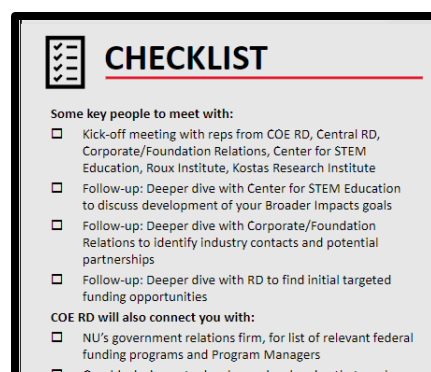
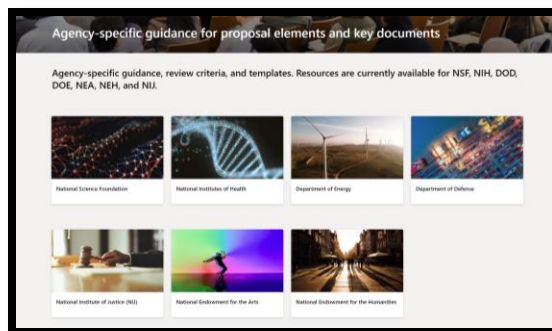
- Convene and coordinate research interest groups around topics and opportunities
- Catalyze new cross-disciplinary research initiatives
- Facilitate intra-campus and external partner collaborations (industry, univ., govt, etc.)
- Develop and coordinate resources and tools to promote collaboration
- Support internal research funding programs (TIER program, seed funding, etc.)

04

- Work with investigators to refine grant writing skills
- Support proposal writing and responsiveness to solicitation
- Coordinate proposal support across the university (e.g., obtaining Institutional data, BI toolkit)
- Develop templates and boilerplate language for proposal components (e.g., institutional mission, regional information)

Early Career Support

- New faculty meetings to discuss research goals and introduce RD, Advancement and other potential resources/collaborators – new faculty checklist
- Curation and targeted dissemination of early career opportunities
- NSF CAREER Awards: Training sessions and coordinated review process for submissions
- Runway to Broader Impacts – facilitating community research partnerships
- NIH K Awards: K-Club for eligible faculty



Faculty Training & Events

- Research Development runs Faculty training and other informational events throughout the year.
<https://resdev.northeastern.edu/events/>
- **Recent Workshops**
 - NSF CAREER Series
 - Finding Funding 101
 - Runway to Broader Impacts Peer Learning Groups
 - Destination Collaboration Series
 - Environmental Pollutants and Forever Chemicals
 - Social Media
 - Space
 - NIH K Award Series
 - Funding for Commercialization
 - Introduction to ARPA-E
 - Center Grants 101

Research Development Events

Professional Development & Collaboration Opportunities

Upcoming Events



Discover the MatrixSpace Facility at Northeastern Oakland

MatrixSpace is at the forefront of intelligent sensing, offering a new paradigm in real-time, AI-driven, innovative radar technology that provides unparalleled situational awareness, even in complex environments where traditional sensors fall short. This new facility will provide Northeastern's academic community and their industry partners with direct access to this platform, which has enabled critical applications such as the world's largest "Drone First Responder" site in Palm Springs, an ultra-portable Expeditionary Kit with full AI classifiers for rapid deployment and tracking, and robust critical asset and perimeter security solutions. During this presentation, leaders from MatrixSpace will introduce the platform, showcase its diverse capabilities, and answer your questions.

🕒 8/12/25, 12:00 PM ET via Teams; join [here](#)



NIH K-Award Series Workshop Session 1: Overview

This is the first of three sessions explaining NIH's Career or K-Awards, which provide support for senior postdoctoral fellows or faculty-level candidates. The objective of these programs is to bring candidates to the point where they can conduct their research independently and are competitive for major grant support. This session will focus on introducing the program.

🕒 10/27/25, 2:00 PM ET via Zoom; Register [here](#)



NIH K-Award Series Workshop Session 2: Mentoring

This is the second of three sessions explaining NIH's Career or K-Awards which provide support for senior postdoctoral fellows or faculty-level candidates. The objective of these programs is to bring candidates to the point where they can conduct their research independently and are competitive for major grant support. This session will focus on providing an overview of finding a relevant mentor and tips for writing a mentoring plan.

🕒 11/20/25, 2:00 PM ET via Zoom; Register [here](#)



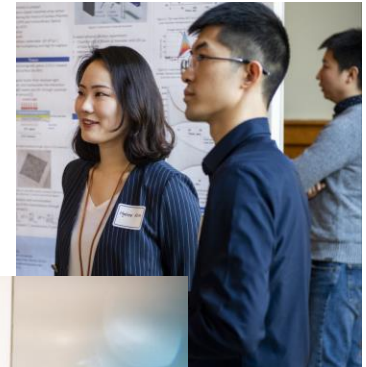
NIH K-Award Series Workshop Session 3: Specific Aims

This is the third of three sessions explaining NIH's Career or K-Awards which provide support for senior postdoctoral fellows or faculty-level candidates. The objective of these programs is to bring candidates to the point where they can conduct their research independently and are competitive for major grant support. This session will focus on preparing your specific aims. The Specific Aims section is the most vital part of any NIH grant application and central to your grant proposal. We will provide some tips on the structure, content, and organization of your Specific Aims page for NIH K-Awards.

🕒 12/1/25, 2:00 PM ET via Zoom; Register [here](#)

Finding External Funding

1. We identify and curate funding opportunities and share via targeted emails to researchers
 - Federal, State, Foundation, International, Industry, etc.
2. *Pivot* database of funding opportunities [Pivot-RP \(proquest.com\)](https://proquest.com)
3. *Academic Analytics Faculty Insight* for funding opportunities and potential collaborators [Faculty Insight \(academicanalytics.com\)](https://academicanalytics.com)
4. Additional Resources include Foundation Directory Online & Philanthropy News Digest email alerts





Internal Funding

- **TIER Award Program** (Transforming Interdisciplinary Experiential Research)
 - **TIER 1** (15-month awards up to \$50K, yearly submission cycle in January)
 - **Seeds Grant/Proof of Concept funding for multidisciplinary teams** applying for future external sponsored research opportunities
 - **Mentored** Tier 1 for early career tenure track faculty member and a senior tenured faculty from a different discipline/College
 - **TIER 2** (up to \$50K on rolling basis)
 - For building interdisciplinary teams to apply for **center-level funding and major initiatives**
 - **TIER 3** (up to \$150K on rolling basis)
 - For development of **institutional strategic priority initiatives** that will position the university to become a national leader in an emerging area of research
- **Seed Grants** (varies)
 - To promote new institutional-level partnerships





We Facilitate Team Science

- Build topical teams
- Convene research symposiums with academic, industry, and government partners
- Promote collaboration with extramural partners
- Advise faculty about collaboration opportunities and help build relationships

We Support Proposal Development

- Internal proposal review, editing and/or project management
- Advise faculty to prepare for meetings with program officers
- Coordinate with Research Admin professionals to support teams in developing budgets, tracking and developing all supplemental documents and required letters, etc.
- Develop guides and boilerplate draft documents that faculty can download, edit, and use in proposals
- For large, complex, proposals:
 - Convene faculty around major submission opportunities, both current and anticipated
 - Organize an internal kickoff meeting to discuss administrative support (Timeline, FOA “shreds”, etc.)
 - Support development of proposal strategy
 - Facilitate team organization and meetings
 - Coordinate with broader university and college resources
 - Advise on internal TIER program support
 - Write, review and edit sections of the proposal, as needed

Proposal Development Resources

Resource Repository for Proposal Development

Access materials and information to craft successful proposals

The Research Development Resource Repository in SharePoint contains detailed descriptions of university resources, facilities and institutes. Northeastern researchers may copy and paste information from these documents into proposals as appropriate. Additionally, the Resource Repository has funding agency-specific guidelines, proposal development guides, and training materials.



Agency Guidelines

Agency-specific guidelines and review criteria. Resources focusing on finding funding opportunities and developing proposals for NSF, NIH, DOD, and DOE are currently available.



Proposal Guides

Guidance about funding opportunities for early career researchers, center proposals, equipment grants, and training grants. *{coming soon}*



Shared Facilities

Detailed descriptions of core shared research faculties, including documentation of unique equipment and research capabilities.



Research Institutes

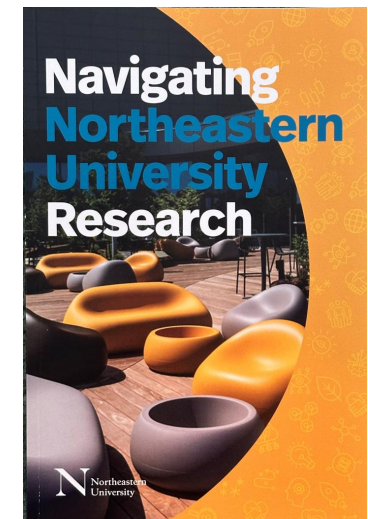
Information about major research institutes across Northeastern's global campuses to be used in research proposals.

Proposal Library [HERE](#)

Proposal Development Resources on our website: <https://resdev.northeastern.edu/>

Campus Collaborators & Partners

- **Corporate and Foundation Advancement**
[University Advancement | Northeastern University](#)
Rob Silk, Senior Associate Vice President of Development, r.silk@northeastern.edu
- **ADVANCE Office of Faculty Development** <https://faculty.northeastern.edu/advance/>
- **Undergraduate Research & Fellowships** (Support for undergraduate research)
[Home | Undergraduate Research & Fellowships at Northeastern University](#)
- **PhD Network** (Shares graduate and postdoc funding opportunities)
[Overview | PhD Graduate Education at Northeastern University](#)
- **Center for Research Innovation** (Technology commercialization)
[Center for Research Innovation \(CRI\) | Northeastern University](#)
- **Public Evaluation Lab (NU-PEL)** (Evaluation for research grants)
[Home - Northeastern University Public Evaluation Lab](#)



When in doubt, reach out! Any of us can point you in the right direction!

Research Enterprise Services (NU-RES)



Northeastern
University

Research Administration

- Proposal Review & Submission
- Award Acceptance & Management
- Contracts & Agreements

NU-RES Hub

ePAWS
eCLAWS
eCD

Research Compliance

- Research Integrity
- Financial Conflicts of Interest
- Export Controls
- Responsible Conduct of Research
- International Engagements
- Animal Use & Care
- Biosafety
- Human Research Subjects

Research Finance

- Grants & Contracts Account Setup
- Financial Management & Reporting
- Invoicing & LOC Draws
- AR & Cash Management

Workday

NU-RES eRA Systems: Overview

- electronic **C**onflict **D**isclosures: (eCD)
 - Annual and ongoing, off-cycle disclosures
 - **(MUST COMPLETE BEFORE ANY AWARDS CAN BE SET UP)**
- electronic **P**roposal and **A**ward **W**orkflow system: **ePAWs** v. 1.0
 - Award transfers!
- electronic **C**ontract and **L**egal **A**greement **W**orkflow system: **eCLAWs**



e-PAWS
Electronic Proposal Approval & Workflow System
For assistance, email NU-RESMC@northeastern.edu. Visit the NU-RES website

Username
username

Password
password

Login

[EPAWs 1.0](#)

[eCD](#)

[eCLAWs](#)

[ePAWs 2.0](#)

(Future)



Welcome

Login as NU User

ePAWS, eCLAWs, eCD

[Sign In](#) or [Sign Up](#) as External User

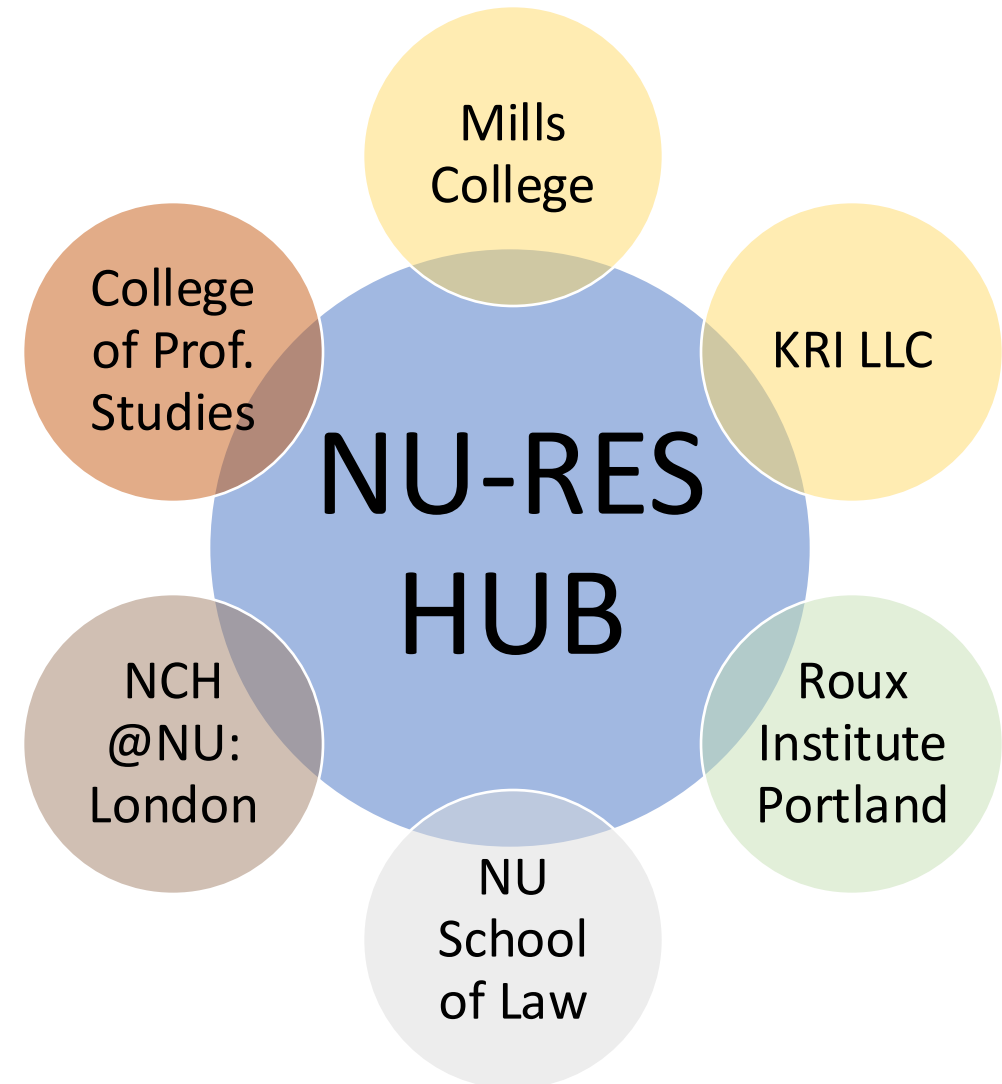
Award Transfers?



- Faculty with existing sponsored awards need to transfer them to NU
- Please contact your departmental research administration team for help with this process, if you have not already done so
- NU-RES are also here as a resource
- Expectation: this is a complex processes
 - It takes time and a little patience to get through....

NU-RES Hub: Overview

- Direct assistance to faculty and research investigators
- Cross-function support to Hub and NU-RES team members; and
- Works closely with all units reporting to the Senior Vice Provost for Research



nu-res_hub@northeastern.edu

Responsible Conduct of Research (RCR) Program Overview

Why RCR?

- **Foundation of Research Excellence:** Ethical, reproducible, and impactful scholarship
- **Evolving Landscape:** Increased Federal oversight of research integrity & security
- **Professional Development:** Skill-building opportunities for students, postdocs, and faculty—not just compliance

Important Updates

Registration: Opens September 1, 2025





RCCR Training Options & Requirements

In Person

- **Core Research Ethics & Compliance** (Fall) - Research misconduct, grant stewardship, conflicts of interest, lab manual development
- **Lab Leadership** (Spring) - Mentoring, team building, safe and inclusive environments, wellness, and self-care for the researcher
- **Ethical Issues** (Spring) - International collaboration, academic freedom, societal responsibilities

Virtual

- **Fall:** Responsible Authorship, Publication Ethics
- **Spring:** Copyright & Intellectual Property, Peer Review Process

30 Min Essentials

- Research Data Management
- Cybersecurity
- AI Privacy
- Export Controls
- International Travel

Virtual Policy Workshop

Secure Your Success: Key Policies to Protect Your Research & Navigate Pitfalls

- **Date:** Monday, September 23, 2025
- **Time:** 12:00 PM - 1:00 PM EST
- **Host:** Jeff Seo, Chief Research Compliance Officer, NU-RES Compliance
- **Focus:** Federal enforcement trends, case studies, policy navigation, Q&A
- **Contact:** Morgan Fielding, Associate Director for Training and Learning, m.fielding@northeastern.edu
- There is no formal registration. The [NU-RES Compliance Events Calendar](#) will be updated with the downloadable calendar invites.

Microsoft Teams Meeting Link

- [Join the meeting now](#)
- Meeting ID: 260 279 773 843 2
- Passcode: rD6H2vc3

Research Security

- **Federal government released research security requirements on 7/9/24**
 - Government-wide requirements & agency specific requirements
 - Much of the activity to date has been around disclosures, including participation in foreign talent programs
 - Northeastern has a policy to address this: [Policy on External International Engagements](#)
- **Foreign Travel Security**
 - Northeastern policy [requires registration of all professional travel](#)
 - High risk destinations also require completion of an [acknowledgement of risk](#), and [required loaner devices during travel](#)
- **Research Security Training**
 - Available through Workday
 - Personalized [briefings](#) also available
- **Export Control Training**
 - Available through CITI
 - Personalized [training](#) also available

Center for Research Innovation (CRI)

The CRI is Northeastern's **technology transfer office**, dedicated to accelerating, protecting, and commercializing innovations. We help researchers and entrepreneurs turn bold ideas into real-world impact by building scalable, solution-driven discoveries and inventions.



INTELLECTUAL PROPERTY



COMMERCIALIZATION



VENTURE



Partner **with us**

- Invention protection (patent & copyright)
- Commercialization through licensing
- Venture development programs
- Grant support (commercialization & IP plans)
- IP policy/Conflicts of interest/Compliance
- Industry engagement support
- National Academy of Inventors Chapter

Disclose **innovations**

- Inventions
- Software
- Agreements related to ongoing research

If you are transferring from another institution, complete our intake form: bit.ly/newresearcherform



WEBSITE

CAPSTONE PROTOCOL
CONFLICT OF INTEREST
CRI TRAINING COURSE
DISCLOSE YOUR INVENTION
IP GLOSSARY
NAI CHAPTER
NEW FACULTY ONBOARDING
PATENT & COPYRIGHT
SPARK FUND

Follow us!



Globally minded, culturally diverse



<https://northeastern.instructure.com/enroll/8FDRNP>

The on-demand training series demystifies the commercialization process—from protecting intellectual property to licensing technologies and launching startups.

CRI Team



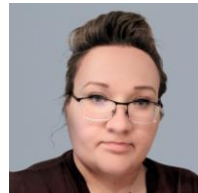
Jennifer Boyle-Lynch
Executive Director

The CRI team is agile and responsive—focused on translating university innovations into tangible solutions through licenses, spinouts, and collaborations.

INTELLECTUAL PROPERTY AND COMPLIANCE



Elmira Zenger
Associate Director
Intellectual Property
& Contracts



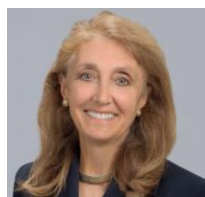
Monika Kasprzak
Patent Administration
Manager

VENTURE DEVELOPMENT

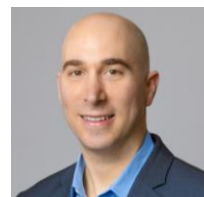


Katie Hemphill
Director
Technology Ventures
and Talent Network

COMMERCIALIZATION



Nancy Wetherbee
Director
Commercialization



Mark Saulich
Associate Director
Commercialization



Vaibhav Saini
Senior Manager
Commercialization

See website for full staff.

Questions? Suggestions? New research ideas?

Get in touch with us!



Northeastern
University

Research at Northeastern website: <https://research.northeastern.edu/>

Research Development

General Email: resdev@northeastern.edu

Limited Submissions email: limitedsubmissions@northeastern.edu

Website: <https://resdev.northeastern.edu/>

NU-RES

General email: Nu-res@northeastern.edu

Research compliance email: researchcompliance@northeastern.edu

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

Center for Research Innovation (CRI)

General email: cri@northeastern.edu

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