
Photo by Jon Gilbert Fox, 2011

New Hampshire IDeAs

20 years | $180 million | 1 INBRE | 6 COBREs (4 active)

Since 2001, NIH has awarded $180 million to support Institutional Development Awards (IDeAs) in New Hampshire. Currently, we have four Centers (COBRE) and one statewide Network of Biomedical Research Excellence (INBRE).

These programs build and strengthen research capacity and infrastructure throughout our state.

NIH National Institutes of Health
Turning Discovery Into Health

New Hampshire INBRE

Experience the art of biomedical scientific discovery

https://geiselmed.dartmouth.edu/nhinbre/

$56.6m 2010–2025

NH-INBRE (IDeA Network of Biomedical Research Excellence) is building and strengthening biomedical research capacity in New Hampshire:

- 2 lead institutions -Dartmouth College and UNH
- 8 partner institutions plus the NH community college system and Rivier University (associate member)
- Research training for faculty members and students
- Funds for new investigators doing original research
- Resources and support for new infrastructure at partner institutions

1,298 undergraduate students have participated in INBRE-supported research or research training since 2010:

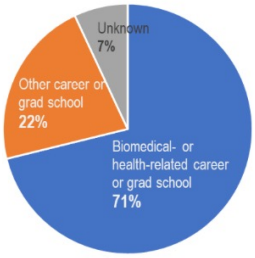
- 67% female
- 35% first-generation college students
- 31% from under-represented population (as defined by NIH)
- 30% from federally defined low- income families

84 new investigators and faculty members have been supported by NH-INBRE, producing:

- 3 Administrative Supplements
- 164 publications
- 34 external research grants

Where are they now?

962 students have graduated from INBRE – we touch base with them for 5 years:



CIBBR

CENTER OF INTEGRATED BIOMEDICAL AND BIOENGINEERING RESEARCH

unh.edu/research/cibbr $9.5M 2017–2023

- 7 Project Leaders and 10 Pilot Project Investigators supported in Phase 1
- $13.1M in funding awarded to CIBBR faculty
- 128+ publications from CIBBR faculty
- $1.9M invested in instrumentation
- 14 UNH biomedical and bioengineering faculty hired since Phase 1 submission

The Center of Integrated Biomedical and Bioengineering Research (CIBBR) is increasing the capacity of researchers at UNH to apply multidisciplinary approaches towards developing clinically relevant diagnostic therapies.

- Research areas include biosensor development, cancer biology, genomics and bioinformatics, tissue engineering, and molecular and behavioral neuroscience.
- CIBBR partners with the University Instrumentation Center to support the Molecular & Cellular Phenotyping Core (Molecular, Cellular, and Bioanalytics sub-cores) as well as the Hubbard Center for Genome Studies

CQB Center for Quantitative Biology

Bringing Biology and Bioinformatics Together

https://sites.dartmouth.edu/cqb/

$12.6m 2019–2024

- 4+ Junior faculty graduated by end of Phase 1
- 5 Junior faculty recruitments supported
- 5 Ongoing Research Projects
- Single Cell Genomics and Data Analytics Cores
- >$8M in funding to CQB faculty
- SARS-CoV-2 Surveillance Project for NH
- 40+ CQB supported publications

The Center for Quantitative Biology (CQB) has several goals:

- Recruit, mentor, and develop new faculty with expertise in computational and experimental genomic approaches
- Accelerate interdisciplinary and collaborative research projects
- Develop shared services through the formation of two Cores that provide the systems and infrastructure needed to support the Center's work
- Fund pilot projects for research related to computational biology, bioinformatics and experimental genomics

bioMT | Institute for Biomolecular Targeting

biomt.dartmouth.edu/
$12.8m 2016–2022

6 junior faculty will have graduated from the bioMT program in Phase 1

- All have received NIH R01-equivalent funding.
- Their combined total funding from NIH, along with NSF and/or venture capital support, exceeds $70M.

140+ bioMT supported publications

bioMT supports junior faculty doing research on cancer, infection, neuroscience, biomedical engineering

bioMT accelerates research productivity and scientific impact by:

- Enhancing research competitiveness of junior faculty, Providing experienced mentoring,
- Providing access to experts and state-of-the-art equipment, and Creating a vibrant scientific community, through seminars and
- symposia, pilot award funding, and start-up support for new faculty.

Center for Molecular Epidemiology at Dartmouth

https://geiselmed.dartmouth.edu/molecepi/
$23.7m 2013–2023

Grant funding has been awarded to Center-supported investigators:

$204.1M as Principal Investigator

$879.2m as Co-investigator

The Center for Molecular Epidemiology transforms research capacity at Dartmouth College by:

Stimulating high impact research and translating cutting-edge approaches to enhance human health discoveries.

- Address major health concerns throughout the life course;
- Identify early indicators of disease, and
- Explore pathways of the causes and progression of disease.

Offering a state-of-the-art Biorepository & Biospecimen Resource Facility

Statewide NIH IDeA Funding

FY22-23

Program/Grant Name	Type / Institution	FY	Cong District	Amount
New Hampshire INBRE (PI: William Green P20GM103506)	INBRE/ Dartmouth College	2022	NH-002	$3,937,100
Center of Integrated Biomedical and Bioengineering Research (CIBBR) (PI: Rick Cote, P20GM113131)	COBRE / University of NH	2022	NH-001	NCE
Center of Integrated Biomedical and Bioengineering Research (CIBBR) (PI: Rick Cote, P20GM113131-S1)	COBRE Supplement / University of NH	2022	NH-001	NCE
Center of Integrated Biomedical and Bioengineering Research (CIBBR) (PI: Rick Cote, P20GM113131-S3)	COBRE Supplement / University of NH	2022	NH-001	$789,189
Center for Molecular Epidemiology (PI: Margaret Karagas, P20GM104416)	COBRE/ Dartmouth College	2022	NH-002	$2,139,526
Center for Quantitative Biology: A focus on "omics", from organisms to single cells (PI: Michael whitfield, P20GM130454)	COBRE/Dartmouth College	2022	NH-002	$2,444,226
The Institute for Biomolecular Targeting (BioMT) (PI: Dean Madden, P20GM113132)	COBRE/ Dartmouth College	2022	NH-002	$2,460,000
			Total Funds	**$11,770,041**