Construction Program Update

C06 - Building for Lasting Impact

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National Institutes of Health

Overview

Construction grant program is a unique funding mechanism at NIH, tracing its roots to the Health Research Facilities Act of 1956 (Public Law 84-835)

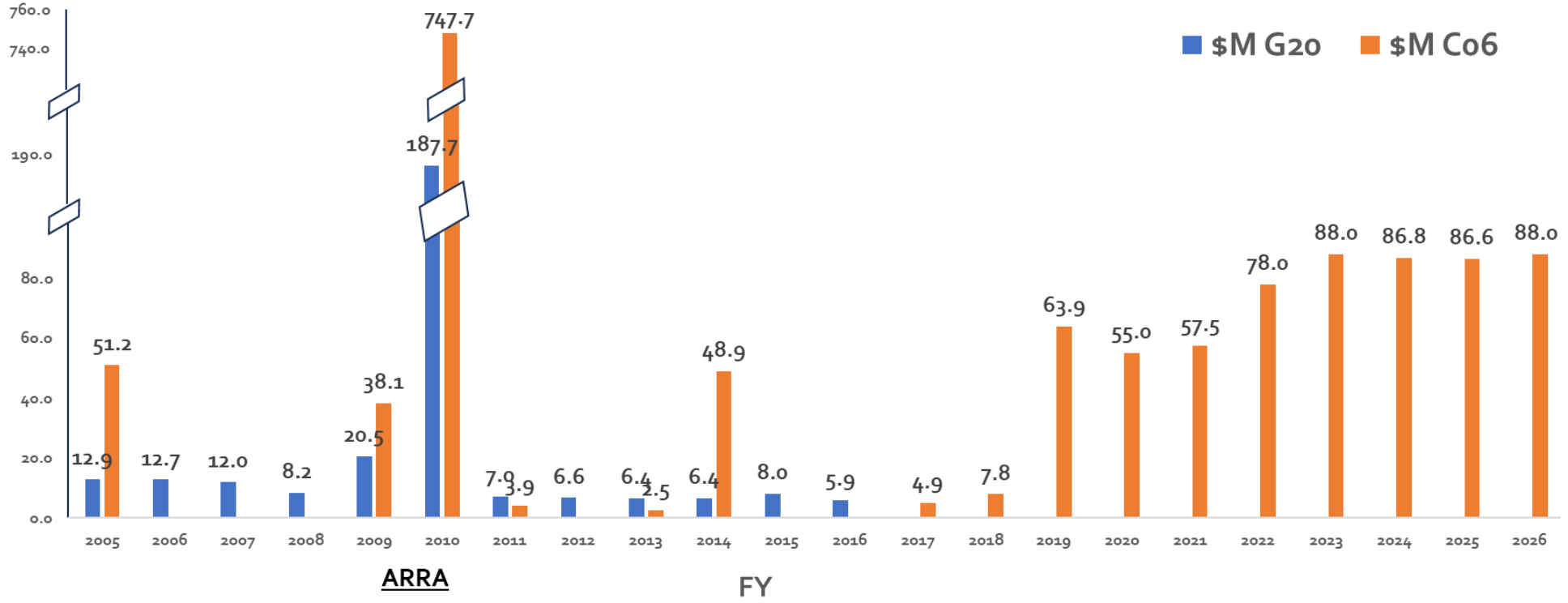
Per *42 U.S. Code § 283k - Biomedical and behavioral research facilities,* only NIH Director or NIAID Director has authority to make grants or contracts to public and nonprofit private entities to expand, remodel, renovate, or alter existing research facilities or construct new research facilities

25% budget for Institutions of Emerging Excellence (IEEs) per *42 USC 283k(c)(2)(D)*

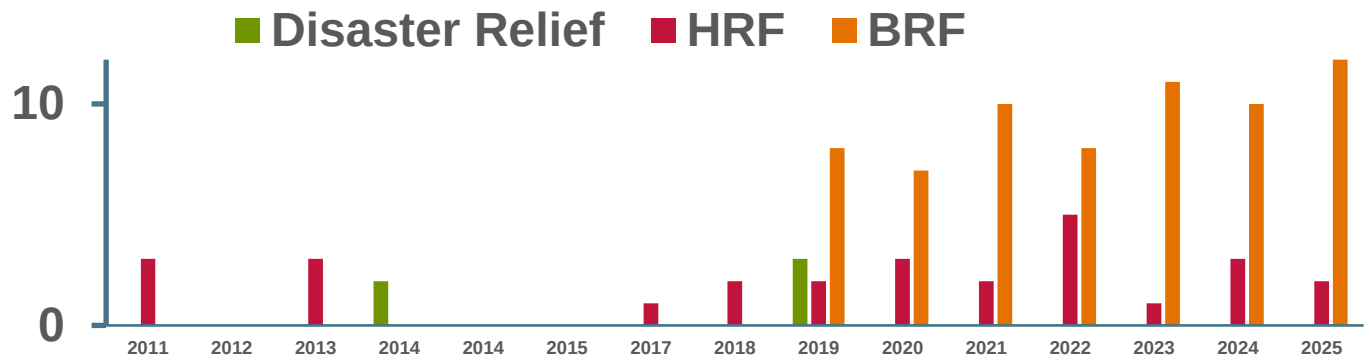
Requires its own yearly congressional appropriation

Budget (in $M): FY2005-2026 Construction (C06) and Renovation (G20)

NCRR: 2005-2011 => ORIP: 2012-2026

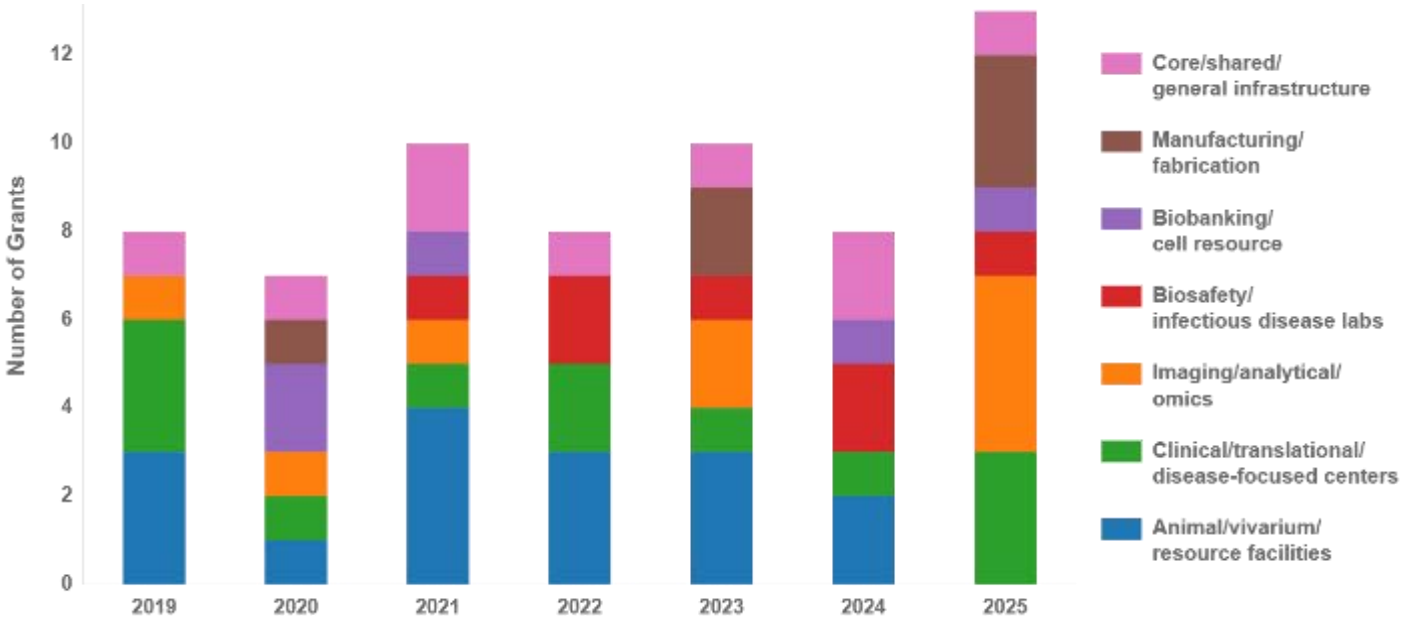


FY2011-2025
Numbers of C06s

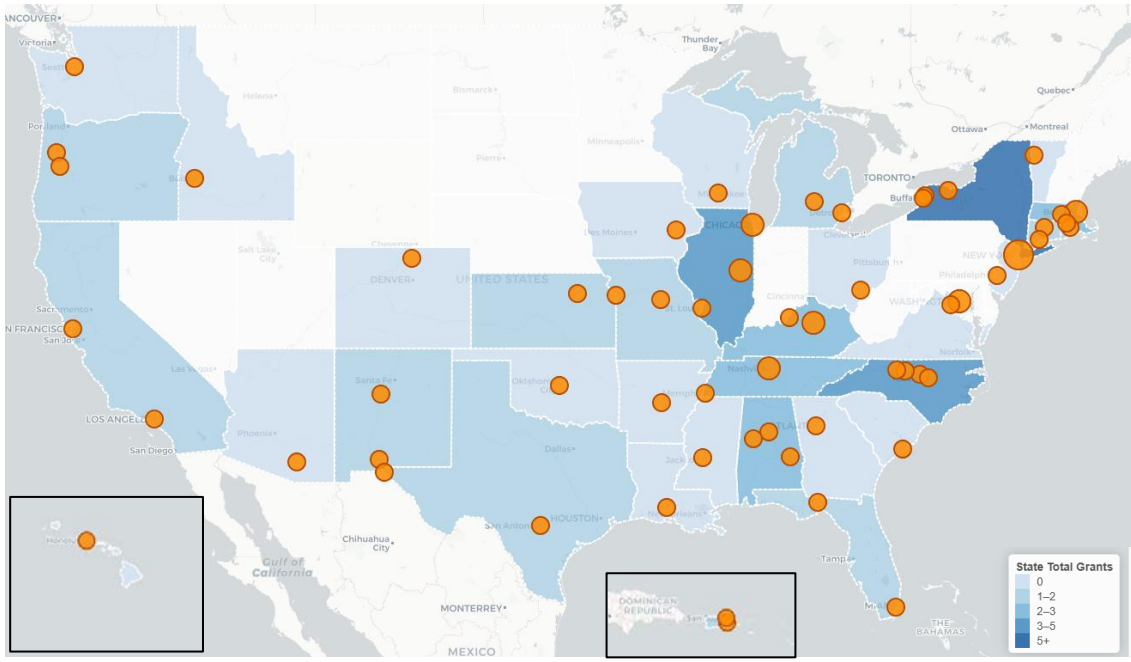


FY2019 - 2025 BRF C06s

Types of Facilities



Geographical Distribution



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C06 Construction Program Management

- ORIP in DPCPSI/OD manages NIH construction programs
  - develops Notice of Funding Opportunity (NOFO)
  - coordinates with CSR for receipt due date and review date
  - holds informational webinars
  - conducts administrative review for responsiveness of applications
- CSR is responsible for scientific/merit review
- CoC review/concurrence
- ORIP prepares funding recommendations
- DPCPSI Director and NIH Director make funding decision
- ORIP oversees of awarded grants and holds Federal Interest

Current C06 NOFO: PAR-26-106

"Development of Collaborative Research Facilities or Research-Resource Facilities"

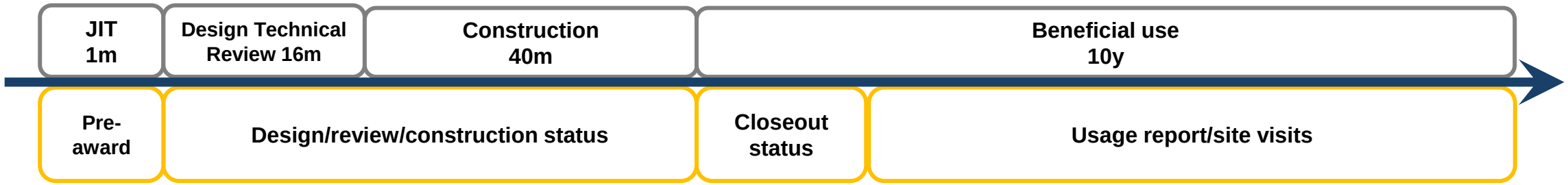
PAR-26-106 supports two existing construction programs:

- BRF - Biomedical Research Facilities program
  - Shared-use facilities: collaborative research spaces, core laboratories, biorepositories, imaging centers, HPC centers, clinical research centers, cGMP installations, etc.
  - FY26 total budget: $80M, 25% for IEEs
  - Award budget: $2M to $8M
- HRF - HIV/AIDS Research Facilities program
  - Co-managed by OAR and ORIP
  - FY26 total budget $8M
  - Award budget: $2M to $4M

Application Due Dates	Review and Award Cycles		
New Submission	Scientific Merit Review	Advisory Council Review	Earliest Start Date
April 06, 2026	June 2026	October 2026	December 2026
January 25, 2027	June 2027	October 2027	December 2027
January 25, 2028	June 2028	October 2028	December 2028

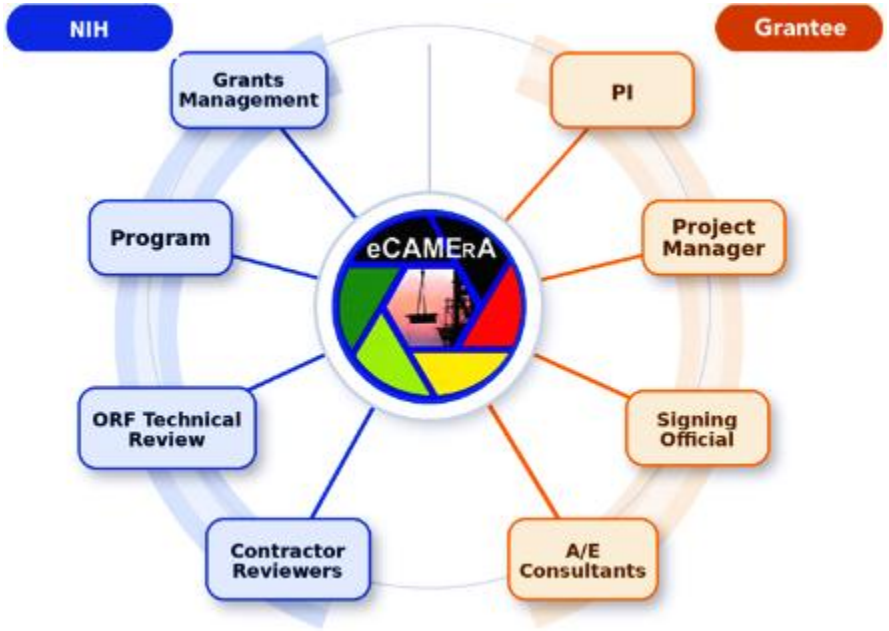
Administration of a C06 Award

- 5-year Project Period
  - Program staff coordinate and monitor overall project progress
  - NIH/ORF (Office of Research Facilities) oversees technical reviews
    - DTR (Division of Technical Resources) leads design technical review, to ensure compliance with NIH Design Requirements Manual (DRM)
    - DEP (Division of Environmental Protection) ensures environmental policy compliance, and conducts environment assessment if needed
  - Grants Management provides policy guidance: contract methods, notice of federal interest, revision of Notice of Award, etc.
- 10- or 20- year Oversight of Grant Facility
  - Close-out Site Visit within one or two years after completion
  - Annual Certification of Usage during 10- or 20- year Federal Interest
  - Fina Site Visit near the end of Federal Interest

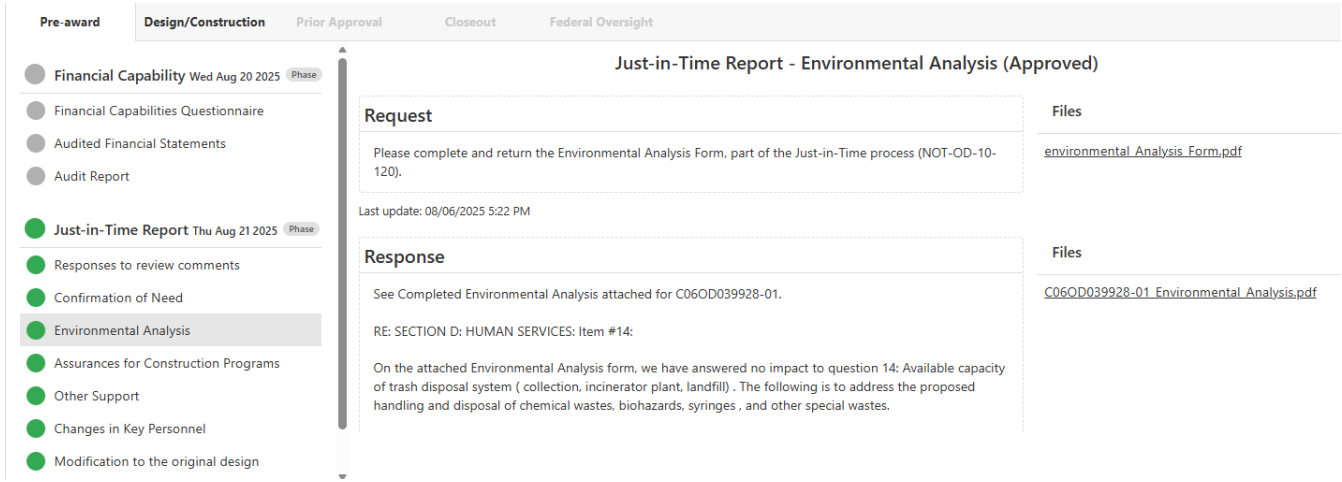


Extramural Construction Award Management and Early Risk Alert (eCAMERA) System

Unified Documentation Platform



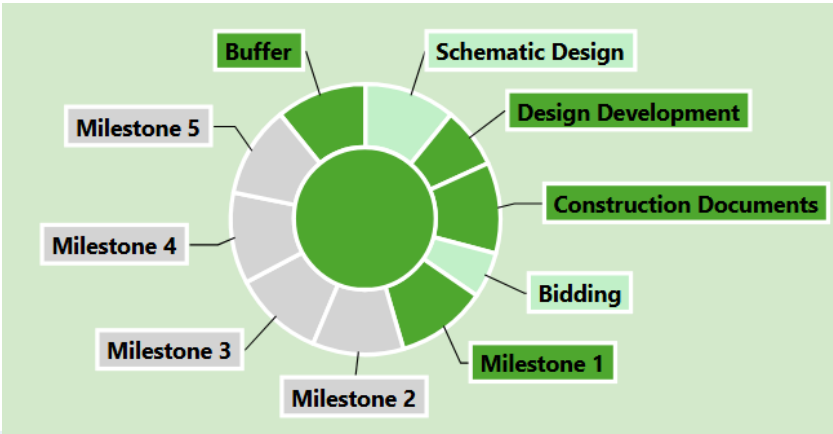
Task List Interface





Progress Chart

Risk Meter



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C06s Empowered Recovery of NYU Facilities from Aftermath of Superstorm Sandy

Background:

Hurricane Sandy (October 2012) severely damaged NYU Langone Health's Manhattan main campus,

Extensive water damage and power outages necessitated emergency patient evacuations and affected multiple research and clinical facilities, including an ongoing NIH renovation project in the Medical Sciences Building vivarium (1G20RR030901)

Dr. Francis Collins, then–NIH Director, visited the NYU Langone campus to assess the damage and promised to provide help

NYU Langone received emergency funding from NIH, as well as FEMA, to support the recovery of critical facilities

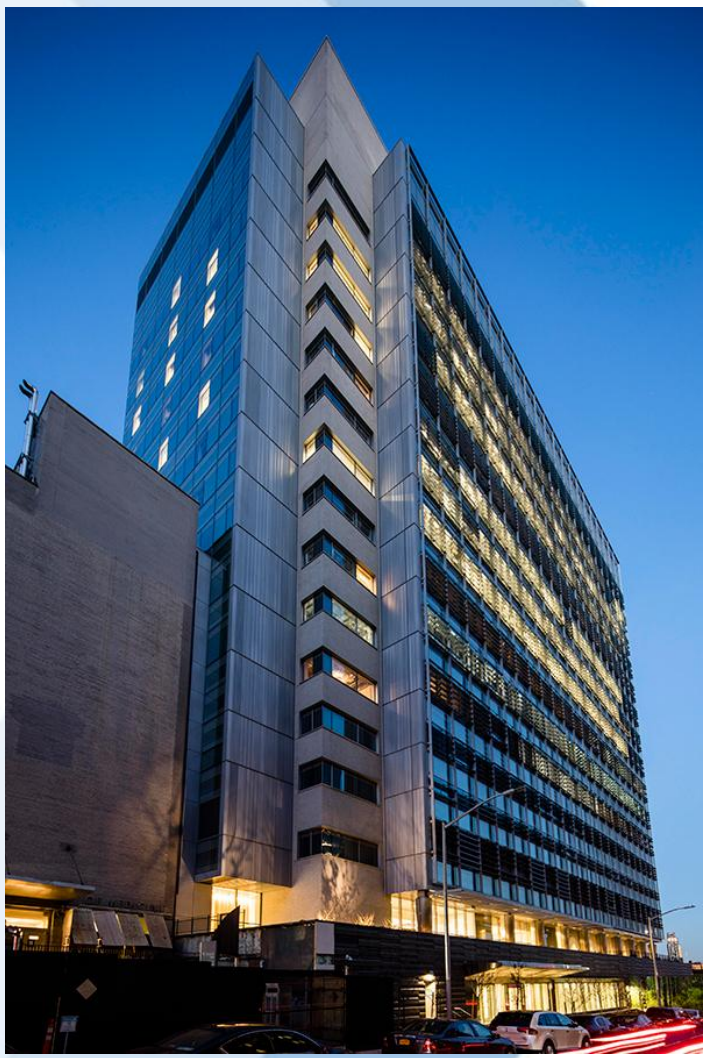


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1C06OD018416 and 1C06OD018417 Rebuilt Resilience in Science

Fitting-out of 3rd and 5th floors of the new Science Building

- 22,270 GSF of new lab space with an open-concept design
- a state-of-the-art vivarium with over 5,300 rodent barrier cages
- an Animal Biosafety Level 3 (ABSL-3) facility
- extensive sustainable infrastructure including a cogeneration plant, flood gates, a 45,000-gallon stormwater tank, and heat-recovery HVAC
- support a broad portfolio of research in areas like cardiology, diabetes, immunity, and neurodegeneration, leading to 16 startup companies and 108 filed patents
- a key factor in recruiting 14 new faculty members since 2018









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1C06OD028370 - University of New Mexico

Interdisciplinary Substance Use and Brain Injury (ISUBI) Center

Shared research space consolidates NIH-funded projects from over 11 UNM departments, colleges, and centers:

- *Substance use disorders*
- *Fetal alcohol spectrum disorder*
- *Alcohol use disorders*
- *Stroke and traumatic brain injury*
- *SUDs and child development*

Dedicated core resources for preclinical/translational, and clinical research work, including data science

A shared research and training center for NIH-funded partners across multiple institutions and networks — including UNM, NMSU, UNLV, CTSA members, and the VA















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1C060D023830 – cGMP Facility at Duke Human Vaccine Institute

- 4,200 GSF cGMP facility fitted with state-of-the-art equipment
- Supports ~$200M programs from
  - NIAID/DAIDS (Division of AIDS) - proteins from mammalian cells, as well as of 11 HIV mRNA and DNA vaccine and biologic candidates
  - NIAID/DMID (Division of Microbiology and Infectious Diseases) - influenza and coronavirus vaccine candidates
  - DoD/DARPA







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1C06OD030170 – University of Miami Federated Biorepository Facility

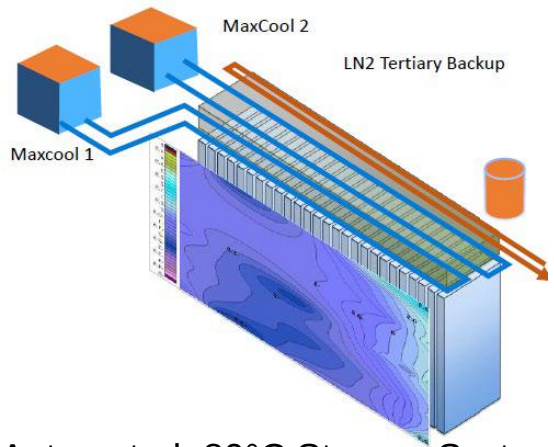
5,824 GSF new centralized biobank

- Enable university-wide biospecimen intake, processing, storage, and distribution
- Launch an electronic medical records-linked institutional biospecimen collection
- Establish the UM Precision Medicine Initiative (UPROMISE)

An essential resource for all downstream Genomics efforts: Genotyping, Sequencing, Biomarkers, etc.

- Supports 222+ registered studies
- Contains samples on ~601,136 unique participants
- Tracking 2,497,819 total aliquots
- 17 unique UM departments
  - 14 MSOM (HIHG, Medicine, Neurology, Human Genetics, Sylvester Cancer Center, Urology, etc.)
  - 3 Gables/RSMAS
- 57 unique UM Institutional PIs
- 11 External Site PIs (Duke, Harvard, MSSM, UPMC, CWRU, etc.)





Automated -80°C Storage System





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1C06RR029852 University of Florida Institute on Aging Clinical Translational Research Building (UF IOA-CTRB)

2009: UF application for NIH ARRA funding to construct UF IOA-CTRB, a 39,500 GSF Leadership in Energy & Environmental Design (LEED) Platinum building

Projected occupants: 93 employees

2010: NIH Award ($14.7M) catalyzes UF Board of Trustees authorization of $30M bond to expand UF CTRB to a 127,706 GSF LEED Platinum building

FY2022 occupants: 289 employees facilitating 961 projects led by 150 PIs (30 depts, 8 colleges)



3X



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Long Term Scientific and Economic Benefits

Growth in UF Aging Research Collaborations

UF NIA Projects FY2013	UF NIA Projects FY2022
13 Projects($20M, 2 MPI)	87 Projects($43M, 35 MPI)
11 UF PIs (4 Colleges)	84 UF PIs (10 Colleges)

Source: NIH RePORTER

UF CTSI Average Annual Economic Contributions 2017-2021

$770.5M gross output ($444M value added)

4,518 additional full and part time jobs

Source: "Economic Impacts of the UF CTSI," UF Bureau of Economic and Business Research, Dec. 15, 2022

National UF-led Impact

- LIFE Study (U01): $71.7M
  8 centers, >300 jobs
- ENRGISE Study (U01): $5M
  5 centers, >200 jobs
- MoTrPAC (U24): $23.1M
  25 centers, >750 jobs

SBIR/STTR Projects

- EveryFit/QMedic(NCI 2013-15)
- AEIOU/OSTEODX (NIA 2018-22)
- etectRx(NIA 2022-23)
- Outlier Technology (NIA 2023-24)
- SenoTracBiotechnology (NIA 2022-24)

Thank you!

Questions or comments?