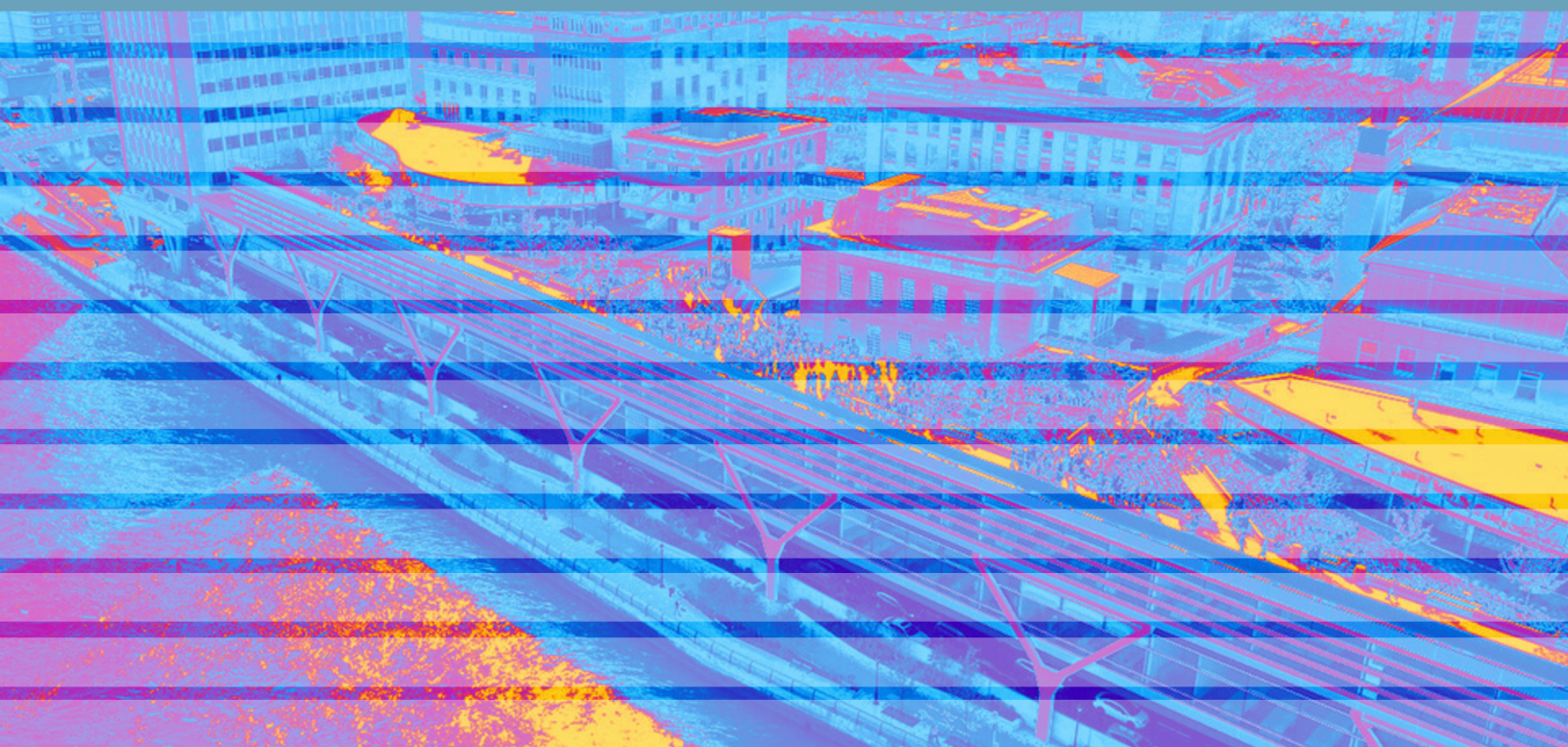


the rockefeller university scientific resource centers



what's
new

FY25

“*E*very breakthrough requires the right people and the right tools. Our investment in the Scientific Resource Centers reflects our belief that empowering our research community today leads to the biomedical advances the world will depend on tomorrow.”

*Timothy P. O'Connor, Ph.D.,
Executive Vice President*

Supporting Discovery Across the Research Lifecycle

The Scientific Resource Centers are an essential part of Rockefeller University's research ecosystem. Through advanced technologies, specialized expertise, and sustained collaboration with investigators, the Centers support scientific inquiry across disciplines, from fundamental discovery to translational research.

This FY25 edition of **What's New** offers a snapshot of the people, platforms, and activities that shape the Resource Centers today. It highlights investments in infrastructure, education and training, scientific collaboration, and campus engagement, as well as selected examples of research outcomes supported by the Centers.

Together, these pages reflect the collective work of Center heads, staff, and collaborators who enable researchers to access cutting-edge tools, develop new methodologies, and advance science in service of the University's mission.

Amy Wilkerson
Associate Vice President for Research Support

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What's New FY25

Scientific Resource Centers
The Rockefeller University

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For more information

<https://www.rockefeller.edu/researchsupport>

The Scientific Resource Centers comprise a network of shared facilities that provide specialized technologies, services, and expertise in support of research across the University. The Centers and their heads are listed below.

at a glance

the centers

- ABCF** Antibody & Bioresource Core Facility • **Frances Weis-Garcia, Ph.D.**
- BIRC** Bio-Imaging • **Alison North, Ph.D.**
- BRC** Bioinformatics • **Thomas Carroll, Ph.D.**
- CBC** Comparative Bioscience Center • **Ravi Tolwani, V.D.M., Ph.D.**
- CGERC** CRISPR & Genome Editing • **Chingwen Yang, Ph.D.**
- CEMRC** Cryo-EM • **Mark Ebrahim, M.S.**
- DDRC** Drug Discovery • **Fraser Glickman, Ph.D.**
- EMRC** Electron Microscopy • **Amalia Pasolli, Ph.D.**
- FCRC** Flow Cytometry • **Svetlana Mazel, Ph.D.**
- GRC** Genomics • **Connie Zhao, Ph.D.**
- GW** Glasswashing Services • **Frank Schaefer, M.S.**
- HPCRC** High-Performance Computing • **Jason Banfelder, M.Chem.E.**
- LCP** Laboratory of Comparative Pathology • **Ileana Costa Miranda, V.D.M., Ph.D.**
- PIT** Precision Instrumentation Technologies • **Peer Strogies, Mstr.**
- PRC** Proteomics • **Henrik Molina, Ph.D.**
- TRTC** Transgenics & Reproductive Technology • **Rada Norinsky, M.S.**
- VGL** Vertebrate Genome Project • **Jennifer Balacco, M.S. & Giulio Formenti, Ph.D.**



Data-Driven Research Capacity

"The insights and techniques gained from BRC courses have profoundly impacted our lab's research efficiency and output. They are an invaluable resource for any lab looking to enhance their data analysis capabilities."

— Sairaj Sajjath

Senior Ph.D. Student
Robin Chemers Neustein
Laboratory of Mammalian Cell
Biology and Development
The Rockefeller University

Accelerating Complex Genetic Models

The services and input offered by the Transgenic and Reproductive Technology Center greatly help us design and perform experiments more efficiently, particularly when working with new transgenic mouse strains and age-dependent disease models."

— Alexander Lercher, Ph.D.

Research Associate
Laboratory of Virology and Infectious
Disease
The Rockefeller University

Ensuring imaging excellence

"The BIRC is mission critical to the Vosshall Lab – essentially every study we do relies on the instrumentation and expertise that Alison North has so steadfastly secured for RU over the past several decades. Alison is deeply committed to training the next generation of scientists in the art and science of microscopy and goes out of her way to solve problems with samples and data analysis. Alison and her team are the best!"

— Leslie Vosshall, Ph.D.

Robin Chemers Neustein Professor
Head of Laboratory
of Neurogenetics and Behavior
The Rockefeller University

Electron Microscopy in Neuroscience

"Under Amalia's leadership, the EMRC has not only honored its storied past but also moved forward in the field of electron microscopy. The EMRC's support is essential to our ongoing study of neurodevelopmental disorders."

— Mary Beth Hatten, Ph.D.

Frederick P. Rose Professor
Head of Laboratory of Neurosciences
and Behavior
The Rockefeller University

Custom Instrumentation for Neuroscience Research

"The Precision Instrumentation Technologies Center provides amazing support. These capabilities have significantly advanced our research and were instrumental in the findings reported in several of our recent manuscripts, including, Toader et al., Cell 2023; Yadav et al., Nature 2022; and Hsiao et al., Cell 2020."

— Priya Rajasethupathy, M.D., Ph.D.
Jonathan M. Nelson Family Associate
Professor

Head of Skoler Horbach Family
Laboratory of Neural Dynamics
and Cognition
The Rockefeller University

From Discovery to Translation

"Collaboration with the Drug Discovery Resource Center was essential to advancing our work from initial screening to lead compound development."

— Jochen Buck, M.D., Ph.D.

and Lonny R. Levin, Ph.D.
Professors of Pharmacology
Weill Cornell Medicine, LevBuck
Laboratory

The Resource Centers expanded their capabilities this year with new instruments, facility upgrades, and infrastructure improvements designed to support evolving research needs.

new equipment & resources

Bio-Imaging

The BIRC added **Evident FV4000**

a next-generation confocal system that increases high-resolution imaging capacity.

Beckman system components upgrading both **BALM lattice light-sheet and SCAPE imaging systems**.

The BIRC expanded its computational and imaging capabilities with **new high-performance workstations** including a Linux system optimized for ClearMap analysis and a Thinkmate workstation for advanced image processing.

High Performance Computing

12 NVIDIA L40S GPUs and 528 CPU cores were added to the HPCRC cluster's shared resource pool.

Additional **electrical power distribution capacity** was added to the HPCRC data center.

The HPCRC launched an **infrastructure modernization project** including operating system and upgrades across the cluster and an updated workload scheduler implementing FairShare scheduling.

Comparative Bioscience Center

The CBC **upgraded** animal facility infrastructure and research capabilities, including **LED lighting, HVAC controls, the SureVac CleanBedding system, behavioral core facilities, Biobubble containment units**, improved **anesthesia systems**, and advanced **imaging platforms (VEVO F2, IVIS XR)**.

Flow Cytometry

The FCRC significantly expanded its capacity and infrastructure: **Two Cytex Aurora CS cell sorters**, enabling high-parameter spectral sorting.

BD FACSDiscover S8, commissioned with a University-supported free-trial period (August 2024–February 2025), with participation from thirteen labs. **New facilities on WRB 14**, offering enhanced biosafety for sorting instruments, dedicated training and meeting space, and expanded workstations.

A new partnership led by Dr. Mazel now facilitates RU **access to the Cytex/Amnis ImageStreamX Mk II at the Columbia University CSCI Flow Cytometry Core**, with full support provided by Michael Kissner, Director of Operations at CU. The FCRC coordinates consultations, scheduling, and billing for RU investigators.

Drug Discovery

The DDRC strengthened its biophysical screening and high-throughput capabilities with:

ITC2 PEAK (Malvern)

for advanced calorimetry and thermodynamic studies.

Two WellJets with four stackers, and an additional **WellJet Dispenser Stacker**, streamlining high-throughput plate preparation. **Assist Plus Autopipettor**, providing precise and reproducible liquid handling.

About 120,000 new compounds added to the small-molecule library.

Metropolitan Anti-Viral Drug Accelerator (MAVDA)-funded instruments, now available to all DDRC users include:

- **Perkin-Elmer Operetta** (High-Content Screening)
- **Nanotemper Prometheus Panta** (DLS, TMA)
- **Qiagen Digital PCR**
- **Biacore 8K SPR**
- **Multi-Flo Biotek Reagent Dispenser**
- **Perkin-Elmer Janus Pin-Tool Dispenser**

Transgenics & Reproductive Technologies

The TRTC installed **airtables** to house vibration-sensitive equipment, improving stability and imaging precision.

Genomics

The GRC expanded its capabilities with:

Luna FX7 fluorescent cell counter for reliable, imaging-based cell quantification.

Element AVITI sequencing system was installed and commissioned. Since its installation, it's the most frequently used sequencer at GRC. **Covaris E220 Sonicator**, now available free of charge for walk-up use.

Precision Instrumentation Technologies

PIT expanded its makerspace and instrumentation capabilities with:

3DS Projet 2500 Plus, a multi-material 3D printer for high-precision prototyping.

Ultra X6000 laser cutter, a multi-wavelength fabrication tool expanding design and fabrication options.

Keyence scope system, a high-resolution digital microscope for rapid inspection and measurement.

Proteomics

Infrastructure improvements this year included:

UPS systems installed to safeguard mass spectrometers from power fluctuations.

A **Dell server** replacement providing improved data-processing speed and storage for proteomics workflows.

Resource Center staff contributed to the scientific community through lectures, invited talks, scientific posters, and presentations at internal and external venues.

lectures, talks, & presentations

RUTomo Seminar Series

Ongoing participation:

Dr. Pasolli (**EMRC**) presented seminars as part of the RUTomo seminar series.

High pressure freezing

how it works, vitrification process, cryoprotectants, effects on protein structure. /August 8th 2024

CEMOVIS (Cryo Electron Microscopy of Vitreous Sections) a technique based on cutting thin sections with a knife as an alternative to FIB milling. /April 18th 2025

Volume EM with emphasis on Serial block face SEM and images related to the Katana demo and preliminary results. /June 13th, 2025

Ezkhova Lab Talk (Mt. Sinai)

Dr. Pasolli gave an invited presentation on electron microscopy of skin to the Ezkhova Lab /February 10, 2025

Lecture at MSK Tech Talk

Dr. North (**BIRC**) gave an invited presentation at the MSK Tech Talk event, hosted by Murray Tipping, Director of the MSK Molecular Cytology Core Facility /April 2, 2025

Colocalization Analysis Workshop

Pablo Ariel, Director of the Microscopy Services Laboratory at UNC School of Medicine, led a half-day workshop on colocalization analysis at Rockefeller. Dr. North delivered lecture during the session, addressing why standard colocalization techniques are not well-suited for super-resolution imaging /April 16, 2025

63rd Canadian Association for Laboratory Animal Science Annual Symposium

Leung G, Diaz LL, Monette S, Jiang CS, Tolwani R, Peneyra S. (**CBC**) Effectiveness, Safety, and Pharmacokinetics of Meloxicam Formulations in African-clawed Frogs, *Xenopus laevis*. /June 2024.

scientific dissemination

scientific posters

CYTO2025 / Dr. Shalaby presented the **FCRC** poster: "**Exploring the Imaging Capabilities of the BD FACSDiscover S8 in the Shared Resource Lab**"-Program Poster P180 /May 31 – June 4, 2025

Anderson Center for Cancer Research Retreat / Dr. Pasolli presented an **EMRC** poster highlighting recent **advances in volume EM workflows**. /April 9–11, 2025

RU Infectious Disease, Immunology & Metabolism Retreat Dr. Zhao (**GRC**) presented: "**The Multiomics World of Genomics**." /Oct. 15–16, 2024

Workshops, courses, user groups, and hands-on training continued to support researchers across campus and beyond.

education & training

Bioinformatics

8 open community courses

for 155 attendees including:

IGV, Loupe Browser, Epigenomics, RNAseq, Advanced plotting with GGplot2, Reproducibility, and Interactive applications with Shiny

2 "Intro to Bioinformatics" course series for Graduate Fellows

Comparative Bioscience Center Training Workshops

Ongoing workshops introducing investigators to CBC procedures, facility operations and best practices.

Electron Microscopy

Dr. Anurag Sharma and Dr. Pasolli participated in the **Advanced Ultramicrotomy Workshop at NYU** /November 18–21, 2024

Flow Cytometry

Beyond the Basics Class

27 labs and 41 participants

Pre-Sort & Sample Preparation

Overview 25 labs, 40 participants.

These classes are in group format & required for new users.

One-on-one training provided on an as needed basis.

Bio-Imaging

Image Analysis User Group

Meetings. Regular user-led and staff-supported sessions facilitated by Dr. Sharma, **focusing on new analysis pipelines, tools, and methods** (including 3D segmentation using deep learning).

Precision Instrumentation Technologies:

PIT staff led **guided tours** of the facility introducing first-year graduate fellows to the makerspace, instrumentation resources and fabrication capabilities /November 8, 14, and 20, 2024

Proteomics

Christopher Peralta and Ece Kilic participated in **Cancer Metabolism and Signaling in the Tumor Microenvironment** /April 8, 2025.

PRC staff also attended **ASMS** /June 1–5, 2025

High-Performance Computing

"Quantitative Understanding in Biology" Graduate Fellows Course led by Jason Banfelder.

Four-day "Introduction to Unix" for investigators using computational resources. /July 2024

Publications acknowledging or co-authored by Resource Center staff reflect their scientific involvement and support of research across the University.

publication metrics

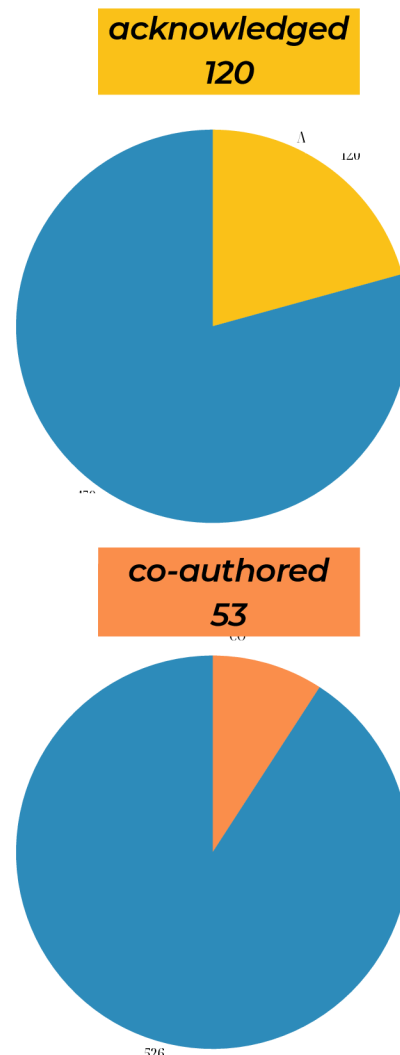
Acknowledging

the Scientific Resource Centers in publications ensures compliance with funding-agency requirements, strengthens the reputation of the Centers and increases the competitiveness of grant applications that reference their use.

In FY25, Rockefeller investigators produced **579 original research articles**. Of these, **120 publications acknowledged support from one or more Scientific Resource Centers**, representing 21% of all publications for the year.

Among the publications acknowledging Resource Centers, 51 were preprints and 69 were peer-reviewed articles.

Resource Center staff also served as **co-authors on 53 publications**, reflecting their direct scientific contributions and collaborative work with laboratories across the University and external partners.



selected peer-reviewed publications & preprints

Campbell et al. — JAALAS

Assessment of postoperative analgesic efficacy and animal well-being using a novel triaxial accelerometer device (Rodent Fitbit)

Drs. Tolwani and Peneyra (**CBC**) co-authored this study in collaboration with investigators from the Tri-Institutional Training Program in Laboratory Animal Medicine and Science and external academic partners.

Leung et al. — Comparative Medicine

*Effectiveness, safety, and pharmacokinetics of meloxicam formulations in African-clawed frogs (*Xenopus laevis*)*

Drs. Diaz, Monette, Tolwani and Peneyra (**CBC**) co-authored this study with Rockefeller University investigators through the Tri-Institutional Training Program in Laboratory Animal Medicine and Science.

Lin et al. — Nature

MED1 IDR deacetylation controls stress responsive genes through RNA Pol II recruitment

Dr. Douglas Barrows (**BRC**) co-authored this study in collaboration with the Roeder Lab, with contributing investigators from The Rockefeller University, Cornell University, and Columbia University.

Lyu et al. — Cell

Stem cell activity-coupled suppression of endogenous retrovirus governs adult tissue regeneration

Drs. Sharma and Pasolli (**EMRC**) co-authored this study in collaboration with investigators from MD Anderson Cancer Center and affiliated institutions.

Meyer et al. — Nature

Small-molecule inhibition of SARS-CoV-2 NSP14 RNA cap methyltransferase

Drs. Glickman (**DDRC**) and Molina (**PRC**) co-authored this study in collaboration with the Tuschl Lab.

Murakami et al. — bioRxiv

Open-source Photobleacher for Fluorescent Imaging of Large Pigment-Rich Tissues

Nick Belenko and Griffin Dennis (**PIT**) contributed to this study in collaboration with the Heintz Lab.

North & Sharma et al. — Journal of Microscopy & Imaging

A comparison of super-resolution microscopy techniques for imaging tightly packed microcolonies of an obligate intracellular bacterium

Drs. North and Sharma (**BIRC**) co-authored this study with collaborators from A*STAR (Singapore), Lonza (USA), and the University of Cambridge (UK).

Ryu et al. — Nature

Cellular ATP demand creates metabolically distinct subpopulations of mitochondria

Drs. Sharma and Pasolli (**EMRC**) co-authored this study in collaboration with the Thompson Lab, MSKCC.

Stewart et al. — Nature

Stem cells tightly regulate dead cell clearance to maintain tissue fitness

Drs. Pasolli and Sharma (**EMRC**) co-authored this study in collaboration with the Fuchs Lab.

Grants, institutional partnerships and participation in scientific networks illustrate the Centers' broader contributions to the research community.

advancing our reach

grants, gifts & awards

Metropolitan Anti-Viral Drug Accelerator (MAVDA)

Dr. Glickman (**DDRC**) served as the lead of the HTS and biophysics center under the MAVDA grant through April 2025. This support enabled the purchase of several key instruments—including new biophysical platforms, automated pipettors, and a 100,000-compound library—all now available for general use. The University has submitted an application for an additional two years of transition funding.

Through 2025, Dr. Carroll (**BRC**) served as a PI on a multi-institutional **NIAID P01 grant** focused on the neuroimmunology of food allergies. This project includes Daniel Mucida (Rockefeller), Steve Liberles (Harvard), Ruslan Medzhitov (Yale), Brad Lowell (Beth Israel), and Christine Olsen (FAS) and expands the BRC's capabilities in single cell analysis and visualisation.

HHMI Grant Support - A grant led by Leslie Voshall and several HHMI investigators funded the acquisition of the Evident FV4000 confocal microscope, now installed at the **BIRC**.

scientific networks & professional engagement

Dr. Mazel (**FCRC**) founded in 2015 the Big Apple Flow Network (BAFN), a regional network of Shared Resource Laboratory professionals supporting collaboration and knowledge exchange in flow cytometry across New York-area institutions.

HPCRC hosted semi-annual NYC Regional HPC and Data meetings. 42 people from 12 institutions including Columbia, Cornell, Princeton, Yale, and the Flatiron institute attended. Jason Banfelder (Rockefeller) and Rob Bjornson (Yale) are co-chairs.

Dr. Weis-Garcia (**ABCF**) co-founded the Antibody Research Group within the Association of Biomolecular Resource Facilities.

Dr. Pasolli (**EMRC**) joined the newly formed NY Electron Microscopists group, sponsored by ThermoFisher. The group includes representatives from Einstein, NYU, CUNY, SUNY, and Columbia. The inaugural meeting was held at NYSBC.
/May 22, 2025

The inaugural Spanish Language Laboratory Animal Symposium. Co-founded by Dr. Diaz and hosted by the **CBC**, this event brought together global experts to discuss advancements in the field in a multilingual forum. */June 12-13, 2024*

Technology demonstrations, collaborations with industry partners and leadership activities reflect the Centers' engagement with external scientific communities.

technology & vendor presentations @RU

NYC Optical Microscopy Cores Directors/Managers Meeting

Dr. North (**BIRC**) founded and hosted the inaugural gathering, bringing together representatives from Columbia (two cores), NYU, CUNY, MSK, WCM, and Mount Sinai
/October 23, 2024

Following a campus tour, AVR Optics and Zaber demonstrated their new "Nucleus" microscope to the group. These meetings now occur quarterly.

"Insights and Educational Tools from Industry" series

Jim Sims of Hamamatsu presented "Scientific Cameras: A Basic Introduction" - Seminar- Biolmaging North America (BINA)
/June 18, 2025

Element Biosciences Lunch-and-Learn

organized and hosted by Dr. Zhao (**GRC**)
/March 19, 2025

FCRC & GRC Co-hosted BD Single-Cell Multiomics Interactive Presentation

by Dan MacDonald (BD Biosciences) "Reimagining Single-Cell Multiomics: More Biology, More Samples. Smarter CITE-seq"
/February 4, 2025

Transcend Research Barriers with the Vevo F2.

The Next Evolution in Preclinical in vivo Imaging organized and hosted by Dr. Diaz (**CBC**)
/September 19, 2025

staff leadership & external roles

Dr. North (**BIRC**) continued to serve in national and international leadership roles, including:
Biolmaging North America (BINA)

Co-hosted two virtual career presentations with Vimal Gangadharan of Zeiss & with Vania Cao of CZI
/April 17 & May 15, 2025

Dr. North joined the **Global Biolmaging "Impact of Imaging Infrastructures"** working group in 2025.

Dr. Diaz (**CBC**) has joined **AAALAC International** as an *ad hoc* site visitor, contributing her expertise to the world's leading animal research accreditation body.

Dr. Mazel (**FCRC**) continued to serve in international leadership role as a member of the **Meetings Committee for the International Society for Advancement of Cytometry (ISAC)**, which acts as the advisory & strategic body for the CYTO congress and beyond.

Recent updates across the Resource Centers include new hires and promotions, digital resource enhancements, and campus events.

Center updates

promotions

BIRC, Ved Sharma Ph.D.

Advanced Image Analyst

CBC, Naomi Lingenhol

Associate Director of Operations

CBC, Tom Wiley

Financial Supervisor

CBC, Eddy Caraballo

Facility Supervisor

FCRC, Samer Shalaby, Ph.D.

Senior Research Support Specialist

& new hires

BIRC, Ivan Rey Suarez, Ph.D.

Senior Research Support
Specialist

EMRC, Behnam Lak, Ph.D.

Research Specialist

HPCRC, Linelle Abueg, M.S.

Scientific Systems
Administrator

digital resources

High-Performance Computing

Website updates with
numerous technical guides.

➤ [explore the website](#)

Bio-Imaging

Website updates introducing
**the Beckman Advanced
Light-sheet Microscopy
center (BALM)**, a staff
publications page and
expanded resources on
Data Management,
Workshops, and Seminars.

➤ [visit the center website](#)

Bioinformatics

A new training website

was launched to streamline
access to workshop offerings
and operational procedures.

➤ [access training resources](#)

RU Community News series

Monthly features spotlighting
Resource Center staff, services,
and scientific achievements,
launched in October 2024
on the *Centers Latest News*
webpage.

➤ [read the series](#)

featured
event



EXPO
**SCIENTIFIC
RESOURCE
CENTERS**

Resource Center EXPO

A campus-wide event
showcasing Center capabilities,
new technologies, and staff
expertise.

March 12, 2025



Centers	RU Labs	External Labs
ANTIBODY & BIORESOURCE	4	>100
BIO-IMAGING	45	18
BIOINFORMATICS	32	1
CBC	39	8
CRYO-EM	24	0
DRUG DISCOVERY	35	12
ELECTRON MICROSCOPY	27	12
FLOW CYTOMETRY	46	0
GENOMICS	43	0
CRISPR & GENOME EDITING	21	1
GLASSWASHING	62	4
HIGH PERFORMANCE COMPUTING	50	0
PRECISION INSTRUMENTATION TECHNOLOGIES	40	2
PROTEOMICS	35	17
TRANSGENIC & REPRODUCTIVE TECHNOLOGIES	20	3
VERTEBRATE GENOME LAB	5	12

number of labs using the resource centers

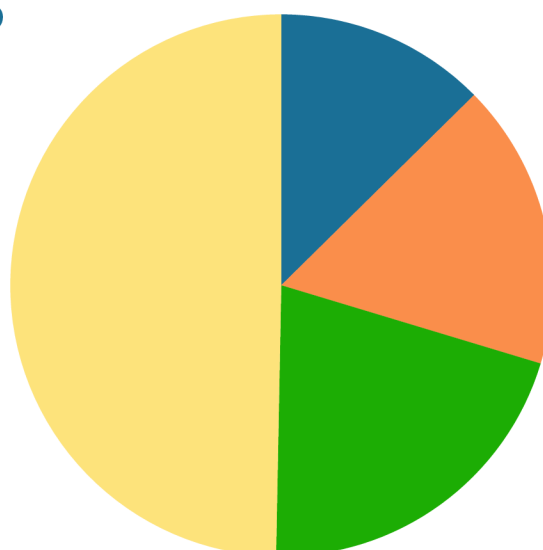
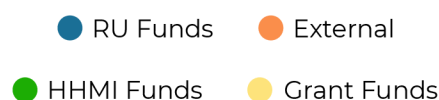
The Resource Centers continue to support a wide cross-section of Laboratories across the University.

In FY25, nearly every RU lab used at least one Center, and most used an average of seven, reflecting the essential role of shared scientific infrastructure in enabling research across all disciplines.

RU labs spending at resource centers by funding source

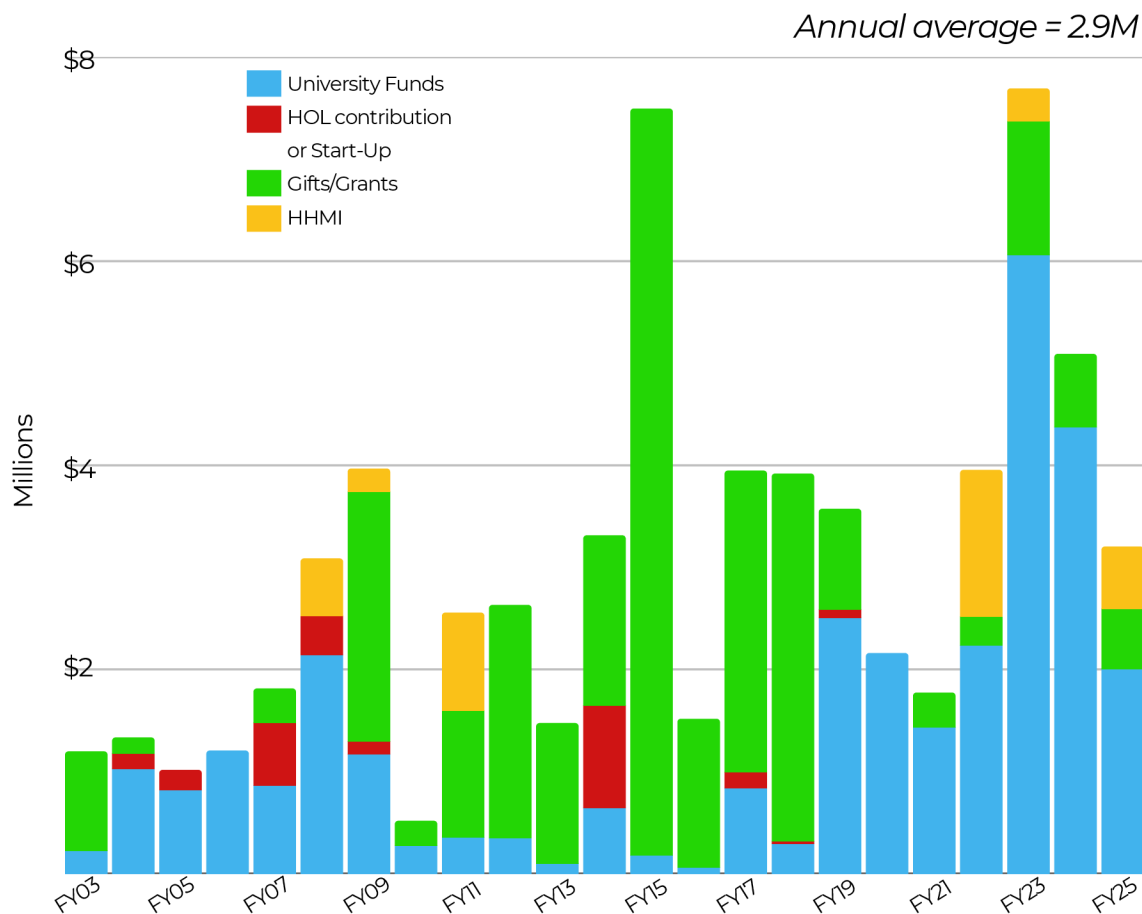
Spending at the Centers is supported by a mix of RU funds, external grants, HHMI support, and other sources.

These investments ensure that critical services, technologies, and expertise remain accessible to the research community.



resource center capital equipment FY03 to FY25

The University has made sustained, long-term investments in Resource Center capital equipment, averaging \$2.9 million per year from FY03 to FY25. These funds support the acquisition of advanced scientific instruments across the Centers, ensuring that researchers have access to cutting-edge technologies essential for discovery.



operating budgets & cost recovery FY22 to FY26

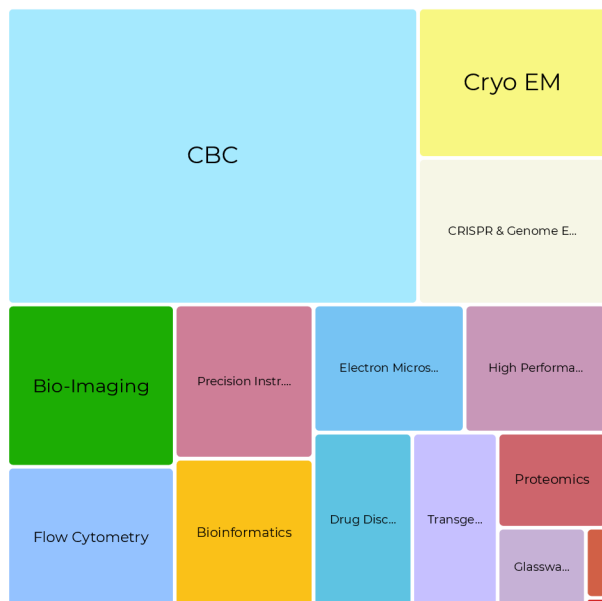
Resource Center operating budgets

are funded through the University's annual allocation and offset in part by user fees.

In keeping with NIH guidelines, fees recover only direct operating expenses and do not contribute to capital equipment purchases.

User fees for services and products are established by the University administration, in compliance with NIH requirements, with input from the Centers' Scientific Advisory Committees and with review by University Finance.

	FY23		FY24		FY25		FY26 (budgeted)	
Center	Operating	Cost Recovery	Operating	Cost Recovery	Operating	Cost Recovery	Operating	Cost Recovery
ABCF	94,525	75,460	32,044	28,901	28,718	24,767	40,001	40,000
BIRC	1,171,641	579,210	1,301,876	627,098	1,418,581	658,269	1,681,916	610,000
BRC	773,347	271,463	819,903	271,571	842,026	266,008	917,599	270,313
CBC	12,813,651	10,088,504	13,364,024	10,199,994	13,263,012	9,844,647	13,636,700	8,942,893
CGERC	773,403	180,382	946,268	150,000	923,023	147,123	951,325	139,650
CEMRC	1,446,124	484,069	1,500,793	743,511	1,417,135	630,602	1,635,405	788,000
DDRC	1,192,741	1,046,224	1,265,622	1,072,805	1,422,626	939,740	1,042,104	755,000
EMRC	570,612	155,528	562,837	136,944	684,969	136,959	662,375	142,000
FCRC	1,012,163	506,546	1,364,867	492,859	1,176,928	527,655	1,318,815	505,000
GRC	3,135,119	3,102,460	2,795,221	3,052,609	2,263,248	2,268,677	2,446,108	2,416,000
GW	455,374	235,486	464,920	255,621	466,668	272,924	454,093	251,000
HPCRC	909,959	343,592	926,816	491,166	1,069,851	560,530	1,109,930	591,175
PIT	503,062	138,997	836,360	151,185	772,963	167,104	893,313	140,000
PRC	1,158,394	938,928	1,211,859	828,888	1,020,792	731,551	1,157,690	635,000
SBRC	145,257	27,477	98,993	18,006	n/a	n/a	n/a	n/a
TRTC	963,653	428,420	996,100	460,500	975,920	559,100	1,063,952	497,014
VGL	1,269,396	932,898	1,026,768	977,148	1,748,162	1,710,000	1,748,162	1,710,000
TOTAL	26,155,372	18,602,746	28,488,503	18,981,658	27,746,460	17,735,656	29,011,326	16,723,045
Subsidy	29%		33%		36%		42%	

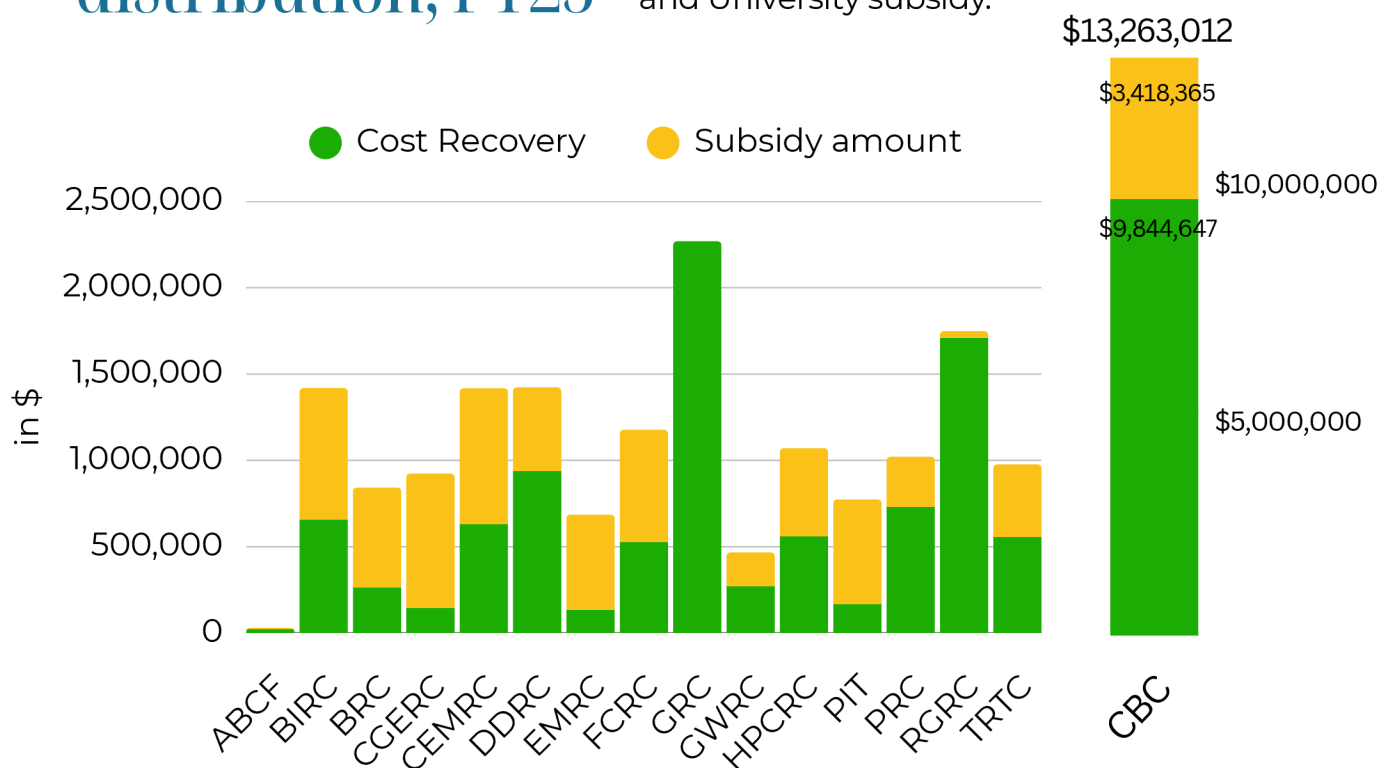


relative size of subsidies by center, FY25

The treemap shows the relative amount of the total FY25 subsidy provided to each Resource Center from University funds. Subsidy is defined as the amount of direct operating costs not offset by user fees.

cost recovery & subsidy distribution, FY25

Operating costs per Center, divided into cost recovery and University subsidy.



the faces of the centers



Bio-Imaging



Transgenic and Reproductive Technology



Proteomics



Genomics



High-Performance Computing



Electron-Microscopy



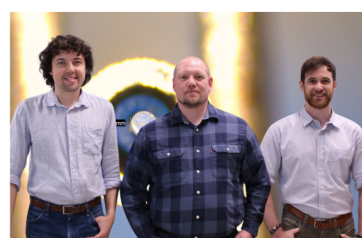
Drug Discovery



Flow-Cytometry



Bioinformatics



Precision Instrumentation Technology



CRISPR & Genome Editing



Glasswashing



Cryo-Electron-Microscopy



Antibody & Bioresource



Comparative Bioscience Center