WELCOME, NEW FACULTY

Nicolas Abreu, MD
Assistant Professor (Clinical)
Neurology

Robert Banh, PhD
Assistant Professor
Biochemistry & Molecular Pharmacology

David Beck, MD, PhD
Assistant Professor
Medicine

Amanda Bunting, PhD
Assistant Professor
Population Health

Caitlin Canfield, PhD
Assistant Professor
Pediatrics

Omni Cassidy, PhD
Assistant Professor
Population Health

Pau Castel, PhD
Assistant Professor
Biochemistry & Molecular Pharmacology

Sumit Chopra, PhD
Associate Professor
Radiology

Kelly Devereaux, MD, PhD
Assistant Professor (Clinical)
Pathology

Adam Faye, MD
Assistant Professor (Clinical)
Medicine and Population Health

Chiara Giannarelli, MD, PhD
Associate Professor
Medicine and Pathology

Erinn Hade, PhD
Associate Professor (Research)
Population Health

Ayana Jordan, MD, PhD
Associate Professor
Psychiatry and Population Health

Linda Kahn, PhD, MPH
Assistant Professor
Pediatrics and Population Health

Laura Kimberly, PhD
Assistant Professor (Research)
Plastic Surgery

Ofole Mgbako, MD
Assistant Professor (Clinical)
Medicine

Carla Nasca, PhD
Assistant Professor
Psychiatry

Carla Nowosad, PhD
Assistant Professor
Pathology and Immunology

Mila Ortigoza, MD, PhD
Assistant Professor
Medicine and Microbiology

Robin Ortiz, MD, MS
Assistant Professor
Pediatrics

Alejandro Pironi, PhD
Assistant Professor (Research)
Microbiology

Safiya Richardson, MD, MPH
Assistant Professor
Population Health and Medicine

Aasma Shaukat, MD, PhD
Professor (Clinical)
Medicine and Population Health

Lauren Taylor, PhD
Assistant Professor
Population Health

Benjamin tenOever, PhD
Professor
Microbiology

Christopher Wolfgang, MD, PhD
Chief, Division of Hepatobiliary Surgery
Surgery
MYRESEARCH PORTAL
OSR and Research IT launched MyResearch Portal last April on Inside Health to help researchers access the tools they need to do their work. The feedback that you provided through surveys was invaluable, leading to improvements including making My Applications easier to access and adding institutional news.

Upcoming Enhancements:
Collaborating with the Research Finance and Research Navigator teams for personalized alerts.

DATA HUBS
DataCore formalized the Data Ecosystem, a distributed framework to support the use of clinical data for research purposes throughout the enterprise. The key feature of the system is the concept of a Data Hub that provides departments with a structure to develop localized clinical data expertise that is connected to the larger ecosystem. This allows for sharing of skills, tools, and informatics knowledge. The Population Health Data Hub and Perlmutter Cancer Center Data Hubs are examples of the most recently developed and active Data Hubs.

Upcoming Enhancements:
Alerts feature that will help PIs know when to take timely action with their grant spending so projects don't end under budget.

GRANTS AT A GLANCE
Research Finance and Research IT released Grants at a Glance, a user-friendly way for PIs and their administrators to view grant award information, including expenses and balances. New features from the past year include the addition of projected facilities and administrative costs, indicators when targeted spending is behind by 15%, employee allocations, salary, lab membership, account category expense details, and monthly grant balances.

Upcoming Enhancements:
Redesign of the landing page, improved navigation between modules, integration with MyResearch Portal.

NEW SOFTWARE
eLab Notebook: NYU Langone version of Benchling that enables researchers to design, track, and document experiments and protocols electronically, using lab notebook and molecular biology tools.

SoftMouse: Rodent Colony Management System, which allows researchers to plan and execute breeding schemas, track genotypes, trace lineage, map family trees, plan experiments, and spot trends, while providing detailed analytical data.

BioRender: Software for rapid design of professional science figures with thousands of pre-made icons and templates from more than 30 fields of life sciences.
Postdoctoral training and career development have been strengths of NYU Grossman School of Medicine for many years and remain strong despite the impacts of COVID-19. We fully converted our career development program to a virtual format, retaining almost 100% of our offerings and actually expanding the number of postdocs who participated. The NYU Langone postdoctoral community itself has remained steady at over 500 fellows in 2021, a reflection of the supportive environment and high-quality research being performed here at NYU Langone. We have used the forced virtual format to expand career development beyond NYU Grossman School of Medicine, and have begun implementing plans to create on-demand modules that will only improve our ability to serve the needs of our postdocs. As the situation allows, we have returned to in-person events and look forward to building back the vibrant postdoctoral community we all would like to see. In 2022, we expect to remain flexible but poised to take advantage of opportunities as they arise.

Upcoming courses and workshops will include Project Management, Manuscript Writing, Laboratory Management, Medical Communications, and our foundation course in career planning. Although our ultimate goal remains to be an entirely in-person program as soon as possible, we have used these challenging times to improve our resources and will make them fully accessible to all.

“What Can You Be With a PhD?”

On November 20 – 21, the Postdoctoral Affairs team hosted the largest PhD career symposium in the country!
NEW CENTERS & PROGRAMS

Antimicrobial-Resistant (AMR) Pathogens Program

The Program is a collaborative framework to establish a comprehensive biorepository of human and microbial clinical samples with the goal of generating multi-module data for basic and translational research. The output of the Program will empower discoveries that could lead to the development of new preventives and therapeutics to combat AMR infections.

Parekh Center for Interdisciplinary Neurology

This exciting new research venture will bring together labs that synergize NYU Langone’s strength in clinical and basic research. This new Center will tackle neurological diseases using a broad array of approaches that reveal shared mechanisms such as inflammation, glia, and peripheral immune function to central nervous system interaction and will foster research that uncovers novel insights on the early diagnosis, progression, and treatment of neurological disease.

Institute for Excellence in Health Equity

Guided by a mission to achieve excellence in health equity research, clinical care, and medical education, the Institute’s vision is to become the leader in the development, implementation, and dissemination of evidence-based solutions to advance excellence in health equity, and to be a renowned magnet for talent.

Virology Institute

The Virology Institute is committed to enhancing our understanding of the biology between viruses and their hosts with a present focus on SARS-CoV-2 and its relationship to COVID-19 and Long COVID. In addition, the institute also focuses on pandemic preparedness though city-wide viral surveillance and the development of novel broad-spectrum antiviral therapeutics.

Research Goals

Victor J. Torres, PhD
Introduce the AMR program to the broader NYU Langone community and engage clinical partners to launch new syndrome-oriented AMR projects, and exploit microbial genomics to identify targets for vaccine development and novel therapeutics.

Bo Shopsin, MD, PhD
Establish metrics of nosocomial MRSA transmission in NYU Langone hospitals utilizing comparative microbial genomics and leverage these data for the identification of microbial traits involved in colonization and transmission.

Sarah E. Hochman, MD
Implement a genomic epidemiology system using clinical and surveillance cultures and electronic health data to measure the efficacy of infection control interventions at NYU Langone Health hospitals.

Un Jung Kang, MD
Understanding the plasticity of brain circuits that are responsible for beneficial and detrimental learning of motor function as a result of Parkinson’s disease and its treatment.

Shane Liddelow, PhD
Seeing this exciting new center grow even bigger!

Gbenga Ogedegbe, MD, MPH
Identify all existing health equity research programs and collaborating faculty across the NYU Langone network to create a health equity research community, and develop large, innovative health equity grants that integrate evidence-based interventions for clinical care across NYU Langone.

Benjamin tenOver, PhD
To determine the molecular basis of Long COVID to better understand how to treat it. We will also be expanding our institute in 2022 as we continue to prepare for any future pandemics.
NIH Award Trends at NYU Langone Health

NIH Funding
Here you can see the 5-year trend in award dollars from the NIH (excluding the portion of the RECOVER award that is to be distributed to other sites).

Our average year-over-year growth has been about 12.5% over the past 5 years—but this year, the growth tops this average at 14%! What a fantastic example of the hard work and dedication of our researchers that, despite the impacts of COVID-19, we were able to continue to grow.
In September 2021, the NIH awarded $470 million to large-scale studies on the long-term effects of COVID-19. The parent award was made to NYU Langone, which is tasked with making multiple sub-awards to more than 100 researchers at more than 30 institutions and serves as the Clinical Science Core for RECOVER (which stands for Researching COVID to Enhance Recovery). NYU Langone will build the RECOVER Consortium—a group of lead investigators among the research awardees—to harmonize and coordinate data, develop methods for monitoring protocols, and guide communication and engagement with key stakeholders such as patients and clinicians.

RECOVER's first participants enrolled on October 29 at Case Western Reserve University and the University of Texas at San Antonio. Seven sites are currently enrolling patients, six into the adult cohort and one into the pregnancy cohort. Watch the recent #RECOVERlive session, and visit recoverCOVID.org, to learn more!

“We’ve never been faced with a post-infectious condition of this magnitude so this is unprecedented… We don’t have time to waste.”

- Francis S. Collins, MD, PhD
Former Director, National Institutes of Health

**HISTORY OF WELL-ORCHESTRATED INTERDISCIPLINARY PROJECTS**

**NIDA Clinical Trials Network:**
- New York Node: $48,452,169
  - Judith Hochman, MD
  - John Rotrosen, MD

**ISCHEMIA:**
- $100,149,457
  - Judith Hochman, MD

**ACTIV - 4 Inpatient Platform:**
- $17,337,145
  - Jeffrey Berger, MD
  - Judith Hochman, MD

**EPPIC - NET DCC:**
- $17,596,275
  - Eva Petkova, PhD

**ZEDS CCC & DCC:**
- $17,179,715
  - Elisabeth Cohen, MD
  - Judith Hochman, MD
  - Andrea B. Troxel, ScD
What does collaborative science mean for you?
Human biology and medicine are so complicated that to gain a better understanding of diseases and treatments, you really need a team; you need collaboration among experts in different domains that can contribute to the whole picture.

What it has meant for me, personally, is that the only way to ensure that you get robust enough data to inform care in a clinical trial, is to make sure that it is large enough, and that requires a team—often of collaborators around the world.

What are the advantages of conducting collaborative science?
First of all, it is enjoyable to work with other people! But you also get to meaningful answers that are impactful more quickly, and you will be able to answer questions that you are unable to answer alone.

NYU Langone has an impressive history of winning collaborative science grants, what is responsible for our success in this area?
At NYU Langone, we prioritize, emphasize, promote, and reward collaborative science. We have developed the infrastructure to support multi-center studies.

We guide researchers through the process of applying for funding, pair them with people who are experts at multi-site studies and study design, and we support them through the implementation process.

Success leads to more success! If you build an infrastructure, implement it well, and conduct it well, then you get additional projects funded. And that's how we got RECOVER and many other NIH-funded multi-site projects.

What in particular does the Clinical and Translation Science Institute (CTSI) offer to help foster new collaborations?
We have a formal structure that teaches team science. The CTSI offers a team science course that is open to anyone. We also work to bring researchers together from very different divisions and departments who have overlapping interests. We bring them together, support their ongoing meetings, and potentially can provide pilot funding support for new collaborations.

What advice do you have for someone who wants to take part in collaborative science in the new year?
For young people, the best advice I have is to find yourself a niche. Work to gain expertise in a specific area that will allow you to be valuable to a team and then seek out natural collaborators who have common interests, but different expertise.

I also highly recommend familiarizing yourself with the rules for successful collaboration. Team science is not freeform, there is a very specific way to go about it. Resources, like the field guide provided by the NIH, can be extremely helpful.

What do you see as the future of collaborative science?
Going forward, I think that everything that is coming that is meaningful and impactful is going to be done through collaborative science. For example, addressing the COVID-19 pandemic could not have been done without massive collaborations from people around the world, and I think that will remain true in the future. Any and all meaningful advances in science and medicine are going to depend on successful collaborations.
**Graphic Design**
Need help with a graphical abstract, journal cover, or presentation slide? We are now offering creative services to help with your visual research communication needs! Please [click here](#) to initiate a new creative project or contact OSR's new graphic designer, Kristen Dancel-Manning with questions. Keep in mind that projects will be prioritized on a first-come, first-served basis with careful consideration to availability and deadline flexibility.

**Learning Development**
The Research Training team can help you create training content and work with you throughout the full learning and development lifecycle. Services include creating custom eLearning courses (Level 1-3); virtual conference or symposium support (project management); video capture, editing, publishing; and more! Reach out to Jay Naik, MBA, director of research education to get started!

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**OSR Acronyms and Initialisms Reference Guide**

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<th>Acronym</th>
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<td>ABL</td>
<td>Applied Bioinformatics Laboratories</td>
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<td>ACCRM</td>
<td>Association of Clinical Coordination and Research Management</td>
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<td>BHC</td>
<td>Bellevue Hospital Center</td>
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<td>CBRD</td>
<td>Center for Biospecimen Research and Development</td>
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<td>CIMU</td>
<td>Conflicts of Interest Management Unit</td>
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<td>CRMS</td>
<td>Clinical Research Management System</td>
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<td>Clinical Research Support Unit</td>
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<td>CTSI</td>
<td>Clinical and Translational Science Institute</td>
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<td>DART</td>
<td>Division of Advanced Research Technologies</td>
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<td>Division of Comparative Medicine</td>
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<td>EH&amp;S</td>
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<td>Health Sciences Laboratory</td>
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<td>IACUC</td>
<td>Institutional Animal Care and Use Committee</td>
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<td>IBC</td>
<td>Institutional Biosafety Committee</td>
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<td>Institutional Review Board</td>
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<td>OSR</td>
<td>Office of Science and Research</td>
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<td>QIA</td>
<td>Quality Improvement and Assurance</td>
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<td>RDI</td>
<td>Research Development and Implementation</td>
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<td>Research Digital Experience</td>
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