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**Joan and Sanford I. Weill
Department of Medicine**

Annual Report 2023



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In FY 2022, the Weill Department of Medicine's **sponsored research portfolio increased from \$92.4 to \$98.5 million.**

Grant revenue increased 12% from \$85.6 to \$96 million, while clinical trial revenue increased from \$15.2 to \$16.9 million.



Dear Colleagues and Friends:

It is a pleasure to welcome you to our 2023 annual report, highlighting the achievements of the Joan and Sanford I. Weill Department of Medicine. The Department remains dedicated to its missions, which are centered around clinical care, health equity, biomedical research, and education, as well as growing emphasis on the crucial importance of inclusion, equity, and diversity. In this report, you will find a detailed overview of activities that span 2022 and, in some cases, 2023, for all of our Department's divisions. You will also find faculty honors and awards, leadership biographies, information on our residency training programs, and features underscoring our value of collaboration, spirit of mentorship, and commitment to innovative research.

We are pleased with the Department's significant growth in all areas, particularly in the complex aftermath of COVID-19. Our research growth continues on a positive trajectory, jumping from 50 to 19 in National Institutes of Health (NIH) research funding over the last decade. This represents a tremendous accomplishment.

In 2022, the Division of Hematology and Medical Oncology welcomed Dr. Jedd Wolchok, an internationally acclaimed physician scientist, as the Meyer Director of the Sandra and Edward Meyer Cancer Center. Our educational programs continue to thrive under the leadership of Dr. Kirana Gudi, as we support and mentor those who will advance academic medicine for years to come.

Our features include the work of **Drs. Madeline Sterling** and **Catherine Riffin**, two faculty members who are making remarkable contributions to the historically under-researched areas of home health care and family caregiving. We also explore **Dr. Hasina Outtz Reed's** lab and its work on lung disease, **Dr. Pinkal Desai's** work on clonal hematopoiesis, and our Department's mentorship initiatives, featuring **Dr. Marshall Glesby**, Vice Chair for Mentoring and Faculty Development, and **Dr. Monika Safford**, recipient of the 2023 Jessica M. and Natan Bibliowicz Award for Excellence in Mentoring Women Faculty.

While we undoubtedly will face many challenges in the future, the strength and commitment of our faculty, trainees, and staff represents a force that will continue to positively impact our field, our patients, and our society. Please enjoy our annual report and our ongoing accomplishments.



John P. Leonard, M.D.
Chair (Interim)
Joan and Sanford I. Weill Department of Medicine



At the Heart of it All: Our Dedication to Mentorship

Mentorship is a core part of Weill Cornell Medicine's tripartite mission of education, research and high-quality patient care. It is at the center of the Department of Medicine's spirit of collaboration.

"Mentoring is one of the most rewarding aspects of my career," said Dr. Monika Safford, Chief of the Division of General Internal Medicine, Director of the Cornell Center for Health Equity, and the John J. Kuiper Professor of Medicine. She attributes communication and honesty as key components of a successful mentoring relationship. In 2023, she received the Jessica M. and Natan Bibliowicz Award for Excellence in Mentoring Women Faculty during Weill Cornell Medicine's fifth annual Diversity Week.

The Bibliowicz Award recognizes outstanding faculty at Weill Cornell Medicine who demonstrate a commitment to advancing the academic careers of women in the areas of clinical care, research, or education. The individual must have an established record of providing strong mentorship as well as fostering a nurturing and supportive environment for all faculty.

A unique aspect of Dr. Safford's approach to mentorship is her relationship with mentees from different specialty areas, agreed longtime mentees Drs. Jamuna Krishnan and Kerri Ilene Aronson, who both specialize in pulmonary and critical care medicine.

"[Dr. Safford] takes the role [of mentoring] very seriously," said Dr. Aronson, an Assistant Professor of Medicine. "She takes a 'whole person' approach that is immersive." The inevitable challenges and roadblocks that go with research are normalized as part of the process.

Added Dr. Krishnan, also an Assistant Professor of Medicine: "We're reminded that it's the first time we're doing something like this." When she reached out to Dr. Safford to be her mentor, Dr. Safford immediately set up regular 30-minute weekly meetings to touch base. A key part of having an effective mentoring relationship as a mentee, Dr. Krishnan added, was being transparent and accountable.

Through her mentoring relationship, Dr. Aronson said she felt empowered to make bolder choices in her career – seeing herself in a leadership capacity in a way she might not have without Dr. Safford's impact. Both Drs. Krishnan and Aronson remarked that Dr. Safford was a phenomenal problem solver, able to cut through roadblocks in creative and innovative ways.

When Dr. Laura Pinheiro, an Assistant Professor of Health Services Research, started her first faculty appointment at Weill Cornell Medicine in 2017, Dr. Safford quickly took her under her wing. "At once she made me feel like I was part of the team," Dr. Pinheiro said. Dr. Safford helped Dr. Pinheiro craft and submit six small grants during her first year, propelling Dr. Pinheiro's research in studying cardiovascular disease in patients with cancer. "Her hands-on approach allowed me to grow and develop as an early career researcher," Dr. Pinheiro said.

Another longtime mentee, Dr. Madeline Sterling, an Associate Professor of Medicine, lauds Dr. Safford for "visionary support of big ideas. She added: She has this great ability to see the trajectory [of an initiative or person's work] and encourages you to think not just about the one study, but the bigger, overall picture."

Dr. Sterling has been recognized for her extensive research on the working conditions of home health care workers. She recently received a \$3.7 million dollar R01 grant from the National Heart, Lung, and Blood Institute titled "I-TRANSFER-HF: Improving Transitions and Outcomes for Heart Failure Patients in Home Health Care: A Type 1 Hybrid/Effectiveness Implementation Trial."

In essence, "Dr. Safford is extraordinarily generous with her time and resources," noted Dr. Lisa Kern, Associate Professor of Medicine and Population Health Sciences and Associate Director for Research in the Division of General Internal Medicine. "And she can hone in [on a research challenge] with enormous precision, reliably coming up with solutions that work."

Dr. Safford's commitment to mentorship is a value reflected in Weill Cornell Medicine itself. In September 2022, Dr. Marshall Glesby, Associate Chief of the Division of Infectious Diseases and Director of the Cornell HIV Clinical Trials Unit at Weill Cornell Medicine, was appointed Vice Chair for Mentoring and Faculty Development. His objective in this role is to support faculty members seeking guidance on career development and the promotions process, and to better promote and formalize Weill Cornell Medicine's many existing career development resources. This includes the newly developed Diversity Leadership Program targeting URiM (underrepresented in Medicine) faculty early in their Weill Cornell Medicine careers. The inaugural cohort ran from March 2022-June 2023. A new cohort is set to run in February 2024. Another URiM-focused program is the Mastercard Diversity-Mentorship Collaborative. Established through the support of a generous grant from the Mastercard Impact Fund, the Collaborative supports a range of diversity and inclusion programs, including a salary support program for new faculty, competitive career development awards for junior faculty from URiM populations, research assistance for faculty members with childcare commitments, a mentoring curriculum, and a visiting mentor speaker series.

Another initiative is the Group Peer Mentoring Program for early and mid-career researchers, bringing together early career clinicians, leaders in medical education and experienced faculty alike. Research has shown that facilitated group peer mentoring has multiple benefits, including improved physician



vitality, career advancement, and inclusivity, drawing faculty from a range of backgrounds. Participants engage in regular faculty development workshops and meet with peers for 30-60 minutes between sessions, creating individually tailored goals for professional development. Through these relationships, participants learn effective approaches to negotiation, feedback and team leadership.

Additional programs include the Healthcare Leadership Fellows Program for fellows interested in health care policy and leadership; the Leadership in Academic Medicine (LAMP) program for faculty in their second, third or fourth year of their faculty appointment; the Quality Improvement Academy, for clinical instructor or assistant professor-level faculty committed to becoming leaders in interdisciplinary process improvement; the Mentored Clinical Research Training Program (MC RTP) for junior faculty pursuing intensive clinical research training

in partnership with Houston Methodist; the K Early Career Award Training (KECAT) Program for early career investigators planning to apply for an NIH K-series grant or equivalent foundation career development award; and the Faculty Advancement & Research Mentorship (FARM) program for junior faculty developing independent research careers (i.e. K to R transition; pursuit of R01 grants).

Dr. Glesby's goals include making these resources – currently listed in the education section of the Department of Medicine website and, in some instances, the Office of Faculty Affairs website – more centralized on the Department of Medicine homepage.

"I've benefited from mentoring my entire career, and aspire to be an excellent mentor myself," Dr. Glesby said. In his Vice Chair role, he holds consistent office hours and has an overall "open door" policy for faculty seeking career advice. "A lot of guidance is centered around promotions," Dr. Glesby said. "Our goal is to make the process more transparent, no matter where faculty may be in their career."

When he joined the Weill Cornell Medicine faculty in 2017, Dr. Justin Choi, an Assistant Professor of Medicine and hospitalist, connected with Dr. Glesby over his interest in infectious diseases. "He is an excellent listener and incredibly grounded and personable, despite his seniority," Dr. Choi said. "I appreciate how [Dr. Glesby] always takes notes during our meetings." Dr. Glesby's counsel helped Dr. Choi's research into the performance of biomarkers to improve hospital diagnoses. More recently, Dr. Glesby has become more than a research mentor. "He's a mentor in personal growth, too," Dr. Choi said. "It's easy to go to him because of the trust we developed early on."

"Our goal is to make the process more transparent, no matter where faculty may be in their career."

Dr. Marshall Glesby

Upon starting her journey at Weill Cornell Medicine as an internal medicine resident in 2013, Dr. Carrie Johnston knew she wanted to pursue a career in infectious diseases. After starting her Infectious Diseases fellowship, she began interacting with several senior faculty members in the Division of Infectious Diseases, including Dr. Glesby.

"Knowing Dr. Glesby's extensive work in HIV, it seemed like a natural, synergistic fit to work with him in my research in HIV and aging," Dr. Johnston said. "Thankfully, the medications for HIV treatment have improved so much in the U.S. and internationally; many of my outpatient patients are active into their 80s. My central questions are how healthy aging can be supported and identifying biomarkers of less successful aging."

Dr. Glesby's guidance, she says, is often pragmatic. "He has a really insightful view on grant application planning," she continues. "Pretty quickly – within six months of joining the Weill Cornell faculty – I submitted a successfully funded K23 grant (K23 grants are a Mentored Patient-Oriented Research Career Development Award from the NIH). Effective mentorship can have a lasting, positive impact on careers."

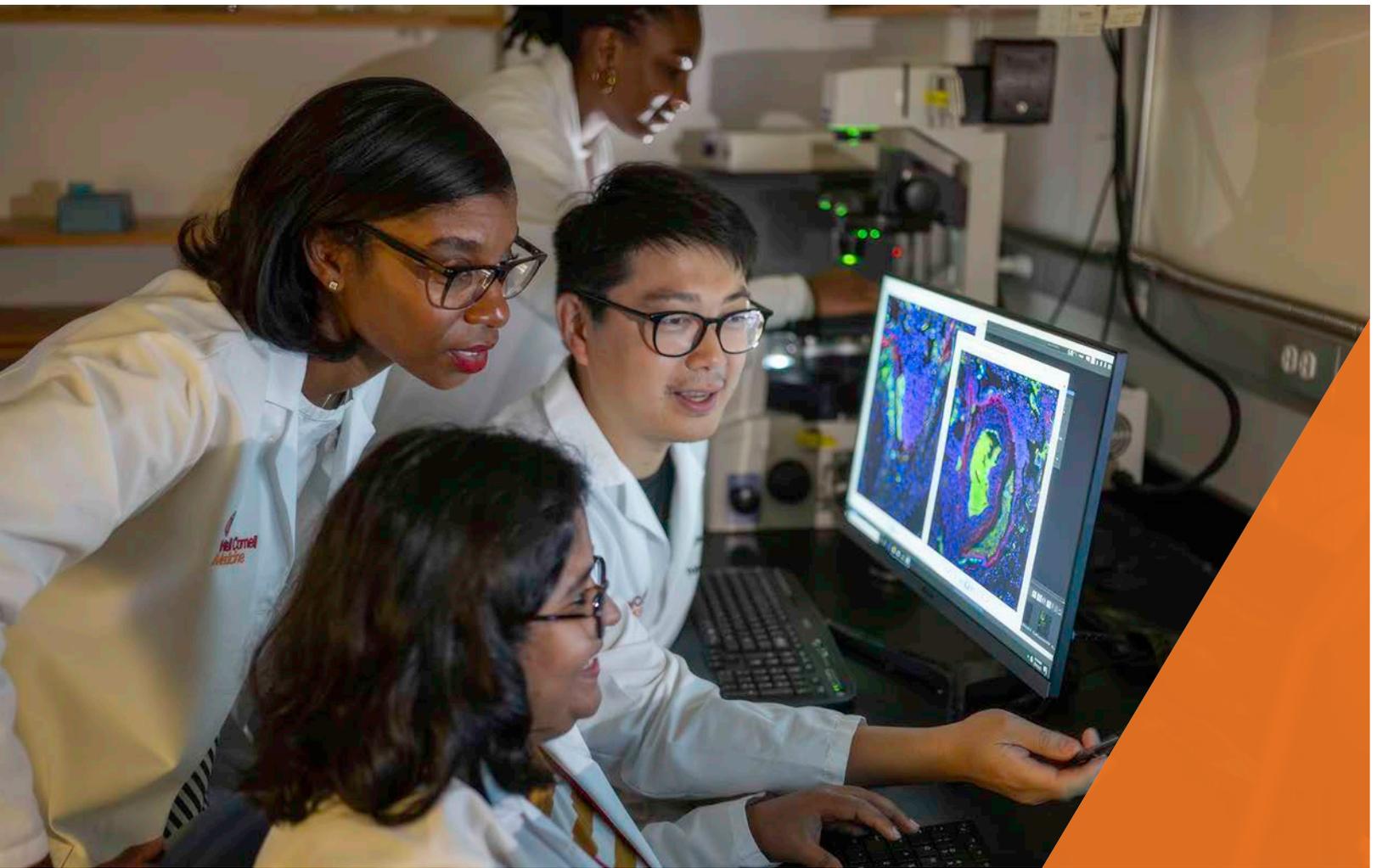
Getting Back to Basics: Dr. Hasina Outtz Reed's Mission to Uncover the Origins of Lung Disease

When Dr. Hasina Outtz Reed pursued a Ph.D. in science, she knew she wanted her work to directly impact people. "I wanted to have the ability to use my knowledge to see how science related to medicine and patient care, particularly translational medicine," she says. Today, Dr. Outtz Reed, the James Hilton Manning and Emma Austin Manning Foundation Research Scholar and Assistant Professor in the Division of Pulmonary and Critical Care Medicine, leads the Outtz Reed Lab, which she founded in 2019 – right before the COVID-19 pandemic. "There was a long pause where we couldn't hire people," Dr. Outtz Reed says. "But finally we were able to move forward and today the lab is at a place where it's growing, and that's exciting."

Dr. Outtz Reed investigates how the lymphatic vessels, which drain fluids and traffic immune cells from lung tissue, affect the development of lung disease, including chronic obstructive pulmonary disorder (COPD) and emphysema. Despite a large amount of research about how the lymphatics work in other organs, scientists still know relatively little about lung lymphatics compared to the lymphatics in other organs.

Through her use mouse models, including a smoke machine that recapitulates cigarette smoke exposure, Dr. Outtz Reed has been able to show a direct effect of cigarette smoke on lymphatic vessels, revealing a link between lymphatic dysfunction and disease development. This can help reveal how certain people are predisposed to COPD while other, lifelong smokers, rarely develop the disease, or develop the disease at a much slower rate. Her lab has found that cigarette smoke exposure can cause lymphatic dysfunction and the development of lymphatic clots, similar to blood clots. "That was a complete surprise," Dr. Outtz Reed says. "It's fascinating when we form a hypothesis and the exact opposite happens. It's about following the data and the science."



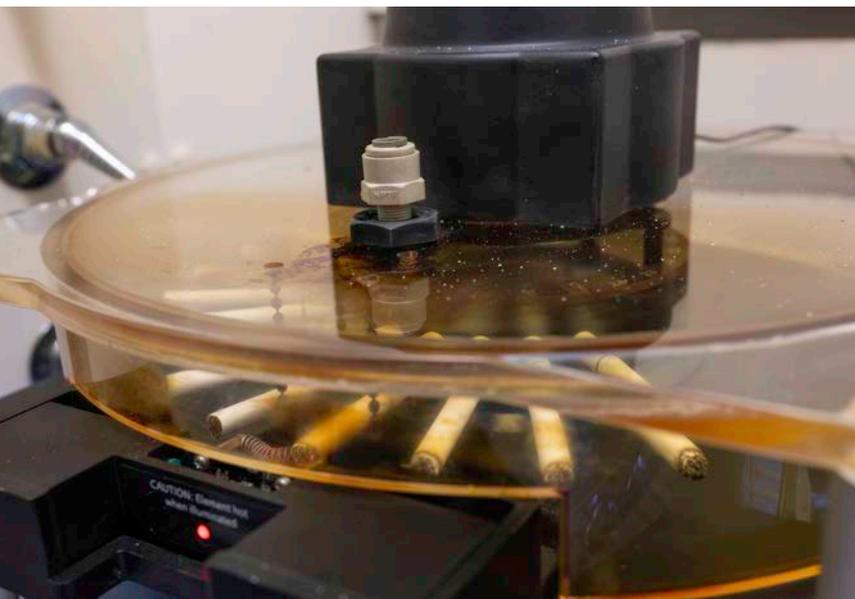


“It’s fascinating when we form a hypothesis and the exact opposite happens. **It’s about following the data and the science.**”

Dr. Hasina Outtz Reed

She says the smoke machine, a gift from Dr. Daniel Libby, a Professor of Medicine and currently voluntary Weill Cornell Medicine faculty member, has been critical to her research findings. Dr. Outtz Reed also credits a succession of mentors, notably Dr. Augustine Choi, Professor of Medicine, a leading clinician-scientist in pulmonology, for providing her support as she navigates the still relatively early stages of her career. “Mentorship definitely works in both directions,” she adds. “I’ve been trained by my own mentees about how to support them best and mentor them effectively.” An advocate of promoting a truly open and inclusive environment, the Outtz Reed lab employs undergraduate students from Hunter College and other area universities as well as a close-knit team, including Drs. Aneel Bhagwani and Anjali Trivedi, postdoctoral researchers; Chou Chou, Research Fellow; Tony Lakouetene, M.S., Senior Animal Technician; and Barbara Summers, Research Specialist and Lab Manager. Together, they are developing novel models of lung lymphatic dysfunction to test the role of lymphatic vessels in lung homeostasis and injury.

As her lab’s mentoring mission statement acknowledges, there is a persistent lack of diversity in scientific research that must continue to be addressed. Dr. Outtz Reed is dedicated to ensuring her lab is inclusive, including the recruitment and retention of underrepresented individuals.





Drs. Madeline Sterling and Catherine Riffin Want to Change Our Approach to Home Health Care and Family Caregiving

Dr. Madeline Sterling's interest in home health care began at the patient bedside. When speaking with patients, Dr. Sterling, an Associate Professor of Medicine and clinician at Weill Cornell Internal Medicine Associates (WCIMA), often heard a similar refrain in response to questions around issues like new health problems or medication routines: "'Ask my aide,' or 'my aide knows,'" she says. "I quickly learned how essential home health care workers often are to the patient's day-to-day care." Paid home care workers (including health aides, attendants and personal care aides) provide additional support to families beyond personal care assistance, such as help bathing, dressing and preparing meals.

In the last few decades, more aging Americans and their families have turned away from traditional nursing homes in favor of trained caregivers who can provide critical help with basic care and daily tasks – right in the comfort of patients' homes. Getting patients homecare in the U.S., however, is complex; typically, patients and their families must navigate multiple concerns around cost, process, and delivery.² For instance, Medicare covers skilled care, but for 60-day periods based on the patient being homebound and under a physician's care, among other parameters. Medicaid can cover personal care, but only for those who meet its financial eligibility requirements. While the popularity of home health care has grown, the need for at-home care has significantly outpaced the more modest growth in the number of active home health care workers.

One of Dr. Sterling's patients, Maria Munoz, 68, has been cared for by Carmen Gamboa, a home health care worker with Sunnyside Community Services, based in Queens, NY, for well over a decade. After suffering a massive stroke while still in her 40s, Ms. Munoz has managed a constellation of concurring health challenges, including cardiac problems and complications from COVID-19.

In addition to helping administer and track medication for Ms. Munoz, Ms. Gamboa accompanies Ms. Munoz to doctor appointments and assists with household tasks like cooking, grocery shopping, and more. With a young son and her own health challenges, Ms. Munoz's daughter, Sherry, is grateful for the help. "We couldn't do it without her," she says, noting that Ms. Gamboa is like "part of the family."

In a study published in October 2022 in the *Journal of the American Medical Directors Association*, of the 800 adult New York State residents surveyed, a quarter would consider working as a paid home care worker. The researchers, led by lead author Dr. Sterling, concluded that improved work conditions and compensation could address the U.S.'s increasingly critical demand for home care. The Better Care Better Jobs Act, introduced to Congress in 2023, proposes increased salaries for home health care workers and a stronger, community-based investment into Medicaid, which would expand access to a greater number of aging Americans.

Better pay and quality of life could be key to ensuring homecare workers' own physician and mental wellbeing. Dr. Sterling's own research has found that the health of home health care workers themselves is often poor, potentially undermining their ability to counsel patients on how to maintain good health. Dr. Sterling was recently awarded a \$400,000, three-year grant from the American Heart Association (AHA) to test and implement a behavioral lifestyle intervention among home health aides to improve their cardiovascular health and overall wellbeing.

Entitled "Leveraging Home Health Aides to Achieve Life's Essential 8," Dr. Sterling's study is based on the AHA's Life's Essential 8, a multipronged approach to enhance sleep, diet, exercise, weight management, and other daily life factors. Conducted in partnership with the Training and Employment Fund (TEF) of 1199SEIU, the United States' largest health care union. Dr. Sterling's study will be achieved through a hybrid implementation and effectiveness trial.

“There is an urgent need to improve the cardiovascular health of home health aides, both to ensure that we have a workforce capable of caring for our rapidly aging population, but also to mitigate health disparities that this workforce has endured,” Dr. Sterling said. “We hypothesize that the home health aides in this study may have better health,” she continued, which could positively impact their patients’ care.

In addition to her research on the home health care worker workforce, Dr. Sterling is also working to improve the transition from hospital to home for heart failure patients by optimizing Medicare home health care services, which consist mostly of nursing and physical therapy visits alongside outpatient care. She recently received a \$3.7 million dollar R01 grant from the National Heart, Lung, and Blood Institute titled “I-TRANSFER-HF: Improving Transitions And Outcomes for Heart Failure Patients in Home Health Care: A Type 1 Hybrid/Effectiveness Implementation Trial.” The study’s objective is to reduce readmissions and increase days at home for heart failure patients who receive home health care following a hospitalization.

Dr. Sterling is conducting the study in partnership with Dr. Kathryn Bowles of VNS Health.

“As the population ages, and as more adults want to age in place, it is critical we study and improve the care that patients receive at home,” Dr. Sterling said.



Another critical gap in care is also brewing. By 2035, the U.S. Census estimates that the first time in our country’s history, the number of adults ages 65 and older will outnumber those 18 and under (78 vs. 76.4 million, respectively). As this happens, the demand for unpaid caregivers will increase, adding extra burden to existing workforce shortages in long-term care.

Dr. Catherine Riffin, an Assistant Professor of Medicine in the Division of Geriatrics and Palliative Care, leads research to address this family care gap. A major goal of her work is to develop practical strategies for identifying and supporting family caregivers in health care systems. As part of this vision, Dr. Riffin recently directed a national initiative – funded by the National Institute on Aging – that convened thought leaders from across the nation to establish a policy-and practice-aligned research agenda on family caregiving.³ The initiative identified the need for evidence-based training and education programs that prepare health care professionals to delivery person-and family-centered care.

Dr. Riffin’s research shows that primary care clinicians experience uncertainty about when and how to engage caregivers effectively and efficiently in medical visits.⁴ A key challenge for clinicians is navigating “shared care,” in which an older adult has multiple caregivers, including family caregivers and home care workers. “Having multiple caregivers in the visit can be tricky,” Dr. Riffin says, “and clinicians receive little training in this area.” Even communication with a single caregiver can be challenging.

In a national survey⁵ of primary care physicians, Dr. Riffin found that structural barriers impede meaningful engagement

of caregivers during clinical visits. Common barriers include lack of time and inadequate reimbursement. While growth in Medicare Advantage could bring new opportunities to reimburse clinicians for the time they spend with caregivers, their potential has not been fully realized.

Another recommendation from Dr. Riffin’s Summit was to leverage health information technology to facilitate caregivers’ access to health information and participation in care. In April 2021, the U.S. passed the 21st Century Cures Act – also known as the Cures Rule – a national policy requiring health care providers to give patients access to all their health information in their electronic medical records (EMR) without delay or charge. In Oct. 2022, the Act expanded to encompass all electronic Protected Health Information (ePHI), which the patient can access under HIPAA. One feature is OpenNotes, in which notes providers make during patient sessions are shared with the patient, becoming part of the patient’s medical record. These administrative changes are core to assisting in the history-tracking of health changes, particularly in the geriatric community, which often involve chronic conditions with unpredictable episodes. Dr. Riffin is collaborating with national partners to expand the OpenNotes platform to

“I quickly learned how essential home health care workers often are to the patient’s day-to-day care.”

Dr. Madeline Sterling

facilitate caregiver identification, inclusion, and support in health care delivery.

Like home health care workers, unpaid caregivers receive little training and support. To address this gap, Dr. Riffin has developed a multi-component training program to help caregivers of dementia patients recognize and communicate their loved one’s pain symptoms. She was awarded a \$4 million grant from the

National Institute on Aging to evaluate this in a multi-site clinical trial targeting frail, nursing home-eligible adults who participate in the Program of All-Inclusive Care for the Elderly (PACE).

“These types of programs are not only key for caregivers to be empowered to better assist patients, but contribute to a more collaborative partnership between clinicians, caregivers, and patients,” Dr. Riffin says, potentially improving future outcomes across the care spectrum.

¹ Sterling, MR, Shaw, AL, Sharing the Care-a patient and her caregivers. *JAMA Intern Med.* 2019; 179(12): 1617-1818 doi:10.1001/jamainternmed.2019.4231

² Obtaining and Paying for Home Care-Navigating Patients Through the Complex Terrain of Home Care in the US. *JAMA Intern Med.* 2023 Aug 1;183(8):755-756. doi: 10.1001/jamainternmed.2023.2072. PMID: 37273215.

³ Riffin, C., Griffin, J. M., Brody, L., Wolff, J. L., Pillemer, K. A., Adelman, R. D., ... & Czaja, S. J. (2022). Engaging and supporting care partners of persons with dementia in health-care delivery: results from a National Consensus Conference. *Public Policy & Aging Report*, 32(2), 58-65.

⁴ Riffin, C., Wolff, J. L., Butterworth, J., Adelman, R. D., & Pillemer, K. A. (2021). Challenges and approaches to involving family caregivers in primary care. *Patient education and counseling*, 104(7), 1644-1651.

⁵ Riffin, C., Wolff, J. L., & Pillemer, K. A. (2021). Assessing and addressing family caregivers’ needs and risks in primary care. *Journal of the American Geriatrics Society*, 69(2), 432-440.



Making Prevention More Precise: Unraveling the Links Between Aging, Gene Mutations, and Cancer

Dr. Pinkal Desai, Associate Professor of Medicine and the Charles, Lillian, and Betty Neuwirth Clinical Scholar in Oncology Medicine, always wanted to be a physician, but was drawn to oncology specifically after her mother was diagnosed with Triple-negative Breast Cancer (TNBC). Dr. Desai was in medical school. Her mother was in her forties. “Growing up in India at the time, no screenings really existed,” Dr. Desai recalls. “If you got cancer, it was considered a death sentence.” Many patients in India refused chemotherapy in those days.

Thankfully, after successful rounds of chemotherapy, surgery and radiation, Dr. Desai’s mother’s cancer went into remission. Although Dr. Desai’s mother would develop breast cancer again 10 years later, she would again beat it.

As a result of her mother’s experiences, Dr. Desai thought her work would center on breast cancer and prevention of cancer. But it was her experience taking care of leukemia patients – often among the sickest she saw – that shifted her focus to leukemia treatment and research. She took her passion for the prevention of cancer to the field of blood cancers. Her current research focuses on the epidemiology of hematological malignancies, particularly with identifying

to be more precise.” Her groundbreaking work published in *Nature Medicine* established, for the first time, a premalignant state in Acute Myeloid Leukemia (AML). This has led to accelerated interest in understanding the factors that lead to the progression from CH to AML. Dr. Desai and her many collaborators within the fields of hematology and oncology, epidemiology, and other areas, hypothesize that an exciting future step would be developing effective medical treatments that could target patients with inflammatory pathways that theoretically prevent cancer from eventually forming.

“Mutations happen in our bodies all the time,” Dr. Desai. “Some of us age differently than others. Some with the same risk factors have different outcomes. We want to better understand and eventually treat the distinction between those people with risk factors who remain healthy and those who go on the path toward developing disease. Over time, we can have better, earlier intervention through better screenings for blood-cancer predisposition, that may cause problems later. It’s a holistic approach, and an emerging field in blood cancers, we still are learning a lot about.”

"We want to better understand and eventually treat the distinction between those people with risk factors who remain healthy and those who go on the path toward developing disease."

Dr. Pinkal Desai

preventative strategies through the identification of risk factors, including certain gene mutations, that might lead to cancer later. This includes tracking patients with clonal hematopoiesis (CH). Strongly associated with aging, CH occurs when a hematopoietic stem cell develops mutations: blood cells with different genetic patterns than the rest of the person’s blood cells. People with CH have a higher propensity for cardiac disorders and for developing blood cancer (approximate rate of 1% per year). However, for some people with lower blood counts with these mutations, the risk is much higher and can reach up to 80% risk over the next 10 years. There are no warning signs or clear symptoms of CH; many people find out if they have it after genetic testing of their blood for other reasons.

Dr. Desai is fascinated by the idea of identifying biomarkers in healthy people years – possibly decades – before cancer potentially develops. In essence, she says, “Prevention needs

Dr. Desai is a National Cancer Institute (NCI) of the National Institutes of Health-funded physician and has a clinical practice devoted to clonal hematopoiesis, leukemia, and myelodysplastic syndrome (MDS). She is also the Clinical Director of the Molecular Aging Institute at Englander Institute of Precision Medicine. A clinical researcher with expertise in experimental therapeutics, Dr. Desai serves as principal investigator and co-investigator of numerous investigator-initiated and industry-sponsored clinical trials. She has had numerous peer-reviewed publications in the field of oncology and epidemiology and is published in various journals, including *Journal of Clinical Oncology*, *Nature Medicine*, *Nature*, *Blood Advances*, *Cancer Medicine*, and more. Dr. Desai also has a translational laboratory dedicated in to studying deleterious effects of clonal hematopoiesis on health and aging.

Funding Our Future – At the center of all we do

Philanthropy is crucial to the Weill Department of Medicine's pioneering research and life-saving care. The Fund for the Future award supports selected junior faculty during a crucial period in their career development - the completion of their research training into the early years of their first faculty position at Weill Cornell Medicine.

Backed by the generosity of donors to the Weill Department of Medicine and Iris Cantor Center for Women's Health, the Fund for the Future program provides an initial year of funding to the recipient with a total funding maximum of \$300,000. This funding is based upon academic progress and a competitive training award (such as an NIH K) application timeline within 18 months of initiation of the Fund for the Future support.

We are honored to recognize our 2022 recipients:

Dr. Mark Bustoros, Assistant Professor, Division of Hematology and Medical Oncology, studies the genetic and epigenetic alterations involved in Multiple Myeloma pathogenesis and works on identifying novel targets in this malignancy. He also focuses on studying the biological factors associated with racial disparities in Multiple Myeloma development and mechanisms of drug resistance to standard and novel therapies in patients.

Dr. Sasha Fahme, Assistant Professor of Medicine, focuses on the syndemic effects of armed conflict and forced displacement on women's sexual and reproductive health. Her long-term goal is to become an independent physician-scientist studying and addressing the impact of humanitarian crises and forced migration on women's health in resource-limited settings. Her current research project will examine the determinants, prevalence, and longitudinal sequelae of sexually transmitted infections among a community-based cohort of vulnerable Syrian refugee women living in Beirut, Lebanon. Dr. Fahme has conducted several years of clinical service and research on the health and human rights of Syrian refugee women and girls in Lebanon, where she developed a peer-led sexual and reproductive health intervention for adolescent refugee girls. She has also performed research consultancies for the United Nations Development Programme and World Health Organization on gender, health and migration in the Middle East and North Africa. Dr. Fahme serves as the Co-Director of the Weill Cornell Women in Global Health Research Initiative's Female Global Scholars Program, a training program for early-career women conducting global health research in resource-poor countries.

Dr. Christopher J. Gonzalez, Assistant Professor of Medicine, Division of General Internal Medicine, is a practicing primary care physician. After receiving his M.D. from Columbia University Vagelos College of Physicians and Surgeons,

Dr. Gonzalez completed his Internal Medicine residency training at NewYork-Presbyterian Hospital/Columbia University Medical Center. He received a master's in Clinical Epidemiology and Health Services Research as the inaugural Health Equity Research Fellow at the HRSA Diversity Center of Excellence at Weill Cornell Medicine. Dr. Gonzalez's research aims to understand and leverage social and cultural behaviors to improve the health of diverse Hispanic populations in the U.S. He will identify patient and practice-level factors pertinent to developing and implementing a diabetes prevention intervention for Hispanic immigrant men within Federally Qualified Health Centers. His research experience, along with his established history of clinical practice in predominantly Hispanic communities, has provided important insights into the social determinants and social relationships that both facilitate and impede numerous health behaviors for diverse Hispanic populations. This is the basis of his aspiration to develop a career in academic research assessing and addressing health inequities faced by Hispanic populations.

Dr. Hana I. Lim, Assistant Professor of Medicine, Division of Hematology and Medical Oncology, has a special interest in hemostasis and thrombosis. She completed her Internal Medicine training and Hematology/Oncology fellowship at NewYork-Presbyterian Hospital/Weill Cornell Medical Center. Her primary research interest is coagulation abnormalities in liver disease, specifically looking at fibrinolytic alterations in patients with non-alcoholic steatohepatitis (NASH) cirrhosis. Thrombogenicity of NASH cirrhosis is not well understood, and portal vein thrombosis (PVT) can be highly morbid in this complex patient population. Her project investigates the potential role of adipokines such as leptin and their effects on cell-surface fibrinolytic receptors such as the annexin A2 complex that may lead to PVT in NASH cirrhosis.

Dr. Grace Anne Maldarelli completed her undergraduate work in Public Health Studies at Johns Hopkins University, then earned her M.D. and Ph.D. from the University of Maryland School of Medicine. She matched to the NewYork-Presbyterian/Weill Cornell Medical Center Internal Medicine Residency Training Program as part of the Medical Research Track program. She completed her fellowship training in June 2022. Her overall research interests are in enteric bacteria and their interactions with each other and the human host. Her Fund for the Future project focuses on the characterization of enteric bacteria contributing to the development of extraintestinal manifestations of inflammatory bowel disease, as well as understanding the mechanisms by which these bacteria exert these effects.

To support our work or learn more about Fund for the Future and our other gift programs, visit <https://medicine.weill.cornell.edu/giving>.

2023 Leadership

John P. Leonard, M.D.

Chair (Interim)



A nationally and internationally recognized authority on hematological malignancies, Dr. Leonard has pioneered the development of novel therapeutics in lymphoma, serving as Chair of the Lymphoma Committee for the Alliance for Clinical Trials in Oncology (part of the National Clinical Trials Network of the National Cancer Institute). He was an elected

member of the American Board of Internal Medicine subspecialty board for Hematology and the American Society of Clinical Investigation. He has served as Chair of the Scientific Advisory Board and as a board member of both the Lymphoma Research Foundation and the Leukemia and Lymphoma Society/New York City Chapter. As Senior Associate Dean for Innovation and Initiatives at Weill Cornell Medicine, Dr. Leonard has spearheaded initiatives to enable Weill Cornell Medicine's emerging science to broadly impact society. In November 2023, Dr. Leonard was given the Lifetime Achievement Award by the Cancer Research & Treatment Fund, Inc. as part of its 2023 Cancer Survivor Hall of Fame Dinner. Dr. Leonard also serves as the Richard T. Silver Distinguished Professor of Hematology and Medical Oncology.

Joseph T. Cooke, M.D.

Chief of Medicine at NewYork-Presbyterian Queens Vice Chair, Weill Department of Medicine



Since beginning his career at NewYork-Presbyterian/Weill Cornell Medical Center as a resident, Dr. Cooke has served in multiple roles over his close to 40-year tenure. In his current role as Chief of Medicine at NewYork-Presbyterian Queens Hospital, Dr. Cooke is committed to providing the highest quality of patient care to the Queens community. He has served as

Chief of the Division of Pulmonary and Critical Care Medicine, Chairman of the General Faculty Council, and Chief Quality and Patient Safety Officer, among other roles. Board certified in internal medicine, pulmonary disease, and critical care medicine, Dr. Cooke is a fellow of the American College of Chest Physicians and the American College of Physicians.

Orli R. Etingin, M.D.

Vice Chair for Faculty

Dr. Etingin is the founder and Medical Director of the Iris Cantor Health Center at NewYork-Presbyterian/Weill Cornell Medical Center, a multidisciplinary group practice sponsored by the Departments of Medicine, Dermatology, Obstetrics and Gynecology, Radiology, Surgery, and Urology. She has clinical expertise in internal medicine and coagulation disorders, such as blood clotting in pregnancy. As Vice Chair for Faculty, Dr. Etingin serves as an important liaison with members of our Department. She is a past associate editor of the *Textbook of Women's Health*, a comprehensive manual for physicians in the field. As a frequently invited speaker at women's health symposia, Dr. Etingin has served as moderator for the Annual Women's Health Symposium at NewYork-Presbyterian Hospital since 1998 and the Annual Women and the Brain Conference since 2006. She is the editor of two nationally distributed newsletters, Women's Health Advisor and Women's Nutrition Connection, and is a contributor to *Everyday Health*. Most recently, Dr. Etingin was the recipient of the 2023 Outstanding Service Award presented by the NewYork-Presbyterian/Weill Cornell Medical Center Alumni Council.



Marshall Glesby, M.D., Ph.D.

Vice Chair for Mentoring and Faculty Development



An Associate Chief of the Division of Infectious Diseases and Director of the Weill Cornell HIV Clinical Trials Unit, Dr. Glesby has served in his Vice Chair role since 2022. His objective in this role is to support faculty members seeking guidance on career development and the promotions process, and to better promote and formalize Weill Cornell Medicine's many existing career development resources.

A graduate of the Johns Hopkins University School of Medicine, Dr. Glesby completed his internal medicine residency and infectious diseases fellowship at the Johns Hopkins Hospital. He also has a Ph.D. in Clinical Investigation from the Johns Hopkins School of Hygiene and Public Health and is board certified in internal medicine and infectious diseases. Dr. Glesby's primary research focus is cardiopulmonary, metabolic, and aging-related complications of HIV disease and its therapy. He is a co-director of the NIH-funded T32 Research Training in Infectious Diseases program and is the Regional Clinical Director of the federally-funded Northeast/Caribbean AIDS Education & Training Center. Dr. Glesby directs the Participant and Clinical Interactions Component of the Weill Cornell Clinical & Translational Science Center (CTSC) and co-directs the CTSC's Clinical Trials Design and Analysis course for their master's program. He is an Assistant Editor of the *Journal of Acquired Immune Deficiency Syndromes* and previously served on the Food and Drug Administration's Antiviral Drugs Advisory Committee.

Dr. Kirana Gudi

Vice Chair of Education



In her role as Vice Chair of Education, Dr. Gudi, an Assistant Professor of Medicine in the Division of Pulmonary and Critical Care Medicine, oversees a range of training programs dedicated to advancing the WDOM's educational mission in furthering faculty development. Dr. Gudi is also the program director of the Department's residency training program in internal

medicine. She received her medical training on the Weill Cornell campus, beginning with an M.D. from Weill Cornell Medicine. She served as a chief resident and completed her residency training, as well as a fellowship in Pulmonary and Critical Care Medicine, at NewYork-Presbyterian Hospital/Weill Cornell Medical Center. She maintains an active outpatient pulmonary practice, attends on the Inpatient Pulmonary Consult and the ICU Consult services, and is a passionate advocate of medicine and medical education.

Maya Hogg, M.D.

Chief of Medicine at NewYork-Presbyterian Lower Manhattan Hospital, Vice Chair, Weill Department of Medicine

In this role, Dr. Hogg, an Assistant Professor of Medicine in the Division of General Internal Medicine and Vice Chair in the Department, oversees the outpatient and inpatient activities of Weill Department of Medicine faculty at NewYork-Presbyterian Lower Manhattan Hospital. Dr. Hogg joined the Department in 2017, serving as a hospitalist at both NewYork-Presbyterian/Weill Cornell Medical Center and NewYork-Presbyterian Lower Manhattan Hospital. She received her bachelor's degree in mathematics and biology from the University of Pennsylvania in 2006, followed by a medical degree from Tufts University School of Medicine in 2011. After completing a residency in internal medicine at Emory School of Medicine, she served as an attending physician on the internal medicine teaching service and as an Assistant Professor of Medicine at Emory University Hospital Midtown.



Jennifer I. Lee, M.D.

Vice Chair for Quality and Patient Safety



Board certified in internal medicine, Dr. Lee, Associate Professor of Clinical Medicine and a hospitalist in the Division of General Internal Medicine, earned her M.D. from the State University of New York Buffalo School of Medicine and Biomedical Sciences. She completed her combined internal medicine and pediatrics residency at Mount Sinai Medical Center in New

York City. In her role as Vice Chair for Quality and Safety, she collaborates with NewYork-Presbyterian Hospital's Division of Quality and Patient Safety, Weill Cornell Medicine Physician Organization QPS, and the Weill Department of Medicine,

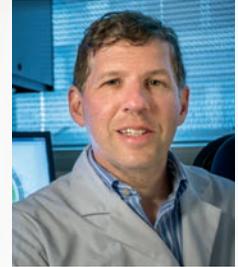
aiming to align improvement efforts across the institution.

She designed and co-chairs the Department's Quality Improvement/ Patient Safety (QIPS) committee and the Weill Cornell Medicine Quality Improvement Academy, an advanced QI faculty development program designed to provide a pathway for promotion for junior faculty in all clinical departments through academic achievement in quality improvement. She is dedicated to the education of students, residents and faculty in quality improvement and safety science to ensure high-quality, high-value care delivery for patients in both the inpatient and outpatient settings.

Steven M. Lipkin, M.D., Ph.D.

Vice Chair for Research

A Professor of Medicine in the Division of Gastroenterology and Hepatology, Dr. Lipkin is a nationally and internationally regarded leader in the field of adult genetics. In his role as Vice Chair for Research, Dr. Lipkin works with leadership to enhance and foster research activities for faculty and trainees. An elected member of the American Society of Clinical Investigation, his research



focuses on genetic testing for hereditary cancer disorders, including Lynch syndrome, Familial Adenomatous Polyposis, and hereditary pancreatic cancer, among others. He is an authority on cancer genetic syndromes, with a particular emphasis on hereditary gastrointestinal cancer syndromes, and authored MAPP-MMR, a bioinformatic program used to interpret whether Lynch syndrome missense variants are deleterious mutations or benign polymorphisms. He has published more than 80 papers in top peer-reviewed journals and is the author of *The Genome Generation: Tales from the Front Lines of Genetic Medicine*. Dr. Lipkin has practiced at NewYork-Presbyterian Hospital/Weill Cornell Medical Center since 2009. He trained in internal medicine at Duke University and in medical genetics at the National Human Genome Research Institute.

Susana R. Morales, M.D.

Vice Chair for Diversity



Vice Chair for Diversity – Born and raised in New York, Dr. Morales attended public schools and then Harvard University, where she received her bachelor's degree in Biology. She obtained her medical degree from Columbia University Vagelos College of Physicians and Surgeons and has been part of the NewYork-Presbyterian/Weill Cornell Medical Center faculty since 1998. A primary care general internist, she serves as Associate Director of the House Staff

Training Program in Internal Medicine and is Director of the Weill-based Education Core for the Cornell Center for Health Equity. She is also the Director of the Weill Cornell Medicine Diversity Center of Excellence. In her role as Vice Chair of Diversity, Dr. Morales has been an integral part of the Racial Justice and Equity Task Force, which she has co-chaired with Dr. Erica Philips since its inception in 2020. She has served as a member of the governing Council of the Society of General Internal Medicine (SGIM) and on the Advisory Boards of the Commonwealth Fund's "Bettering the Health of Minority Americans" program and the National Hispanic Medical Association. She is also a board member of both the United Hospital Fund and the Latino Commission on

AIDS and has served on the New York State Council on Graduate Medical Education. She is a recipient of the J. James Smith Memorial Award, National Medical Fellowships Community Service Award, and Pioneers in Diversity/Bruce Laine Ballard M.D. Award for Excellence in Mentoring.

Stephen J. Peterson, M.D.

Chief of Medicine, NewYork-Presbyterian Brooklyn Methodist Hospital
Vice Chair, Weill Department of Medicine

In addition to his Chief of Medicine and Vice Chair roles, Dr. Peterson is Assistant Dean of Weill Cornell Medicine for NewYork-Presbyterian Brooklyn Methodist Hospital. Renowned for his research in the field of obesity, Dr. Peterson has over 120 publications in peer-reviewed journals and has been awarded the coveted titles of Master of the American College of Physicians, Fellow of the American Heart Association, and Fellow of the New York Academy of Medicine. In his Chief of Medicine role at NewYork-Presbyterian Brooklyn Methodist Hospital, Dr. Peterson oversees clinical and administrative operations and helps ensure compassionate, culturally sensitive care to Brooklyn's diverse communities. He is a former president of the New York Chapter of the American College of Physicians. In addition, he has earned numerous teaching awards throughout his 35-plus year career.



Tsiporah B. Shore, M.D.

Vice Chair for Compliance



In her role as Vice Chair of Compliance and Privacy, Dr. Shore represents the Department on compliance matters related to the Department for the Physicians Organization (PO), Weill Cornell College and NewYork-Presbyterian/Weill Cornell Medical Center, and serves on relevant compliance committees. She works closely with the Division chiefs and faculty to ensure the Department meets institutional

and regulatory compliance metrics and disseminates current and updated information on regulatory matters. She is also involved heavily in research compliance and serves as the Department's privacy liaison to the University Privacy team. Dr. Shore is also a Professor of Clinical Medicine in the Division of Hematology and Medical Oncology. She graduated from medical school and served her residency training at the University of Manitoba and the University of Toronto, respectively. After completing a hematology and medical oncology fellowship at Tufts Medical Center, she completed a two-year subspecialty fellowship in bone marrow transplantation in Seattle and Vancouver, subsequently developing and directing the Manitoba Bone Marrow Transplant Program in Winnipeg, Canada. Dr. Shore has extensive experience in the diagnosis and management of all hematological malignancies, including leukemias, lymphomas, myeloma, and myelodysplastic/myeloproliferative disorders. A member of numerous honorable societies and organizations, including the American Society of Clinical Oncology and the American Society for Transplantation and Cellular Therapy, she has been part of the Weill Cornell Medicine faculty since 2001. Currently, she functions as the Associate Director of the Bone Marrow Transplant and Cellular Therapy Program and the Clinical Director of Inpatient Oncology Operations.

Dana Zappetti, M.D.

Vice Chair for Clinical Operations

An Assistant Professor of Medicine in the Division of Pulmonology and Critical Care Medicine, Dr. Zappetti is an expert in all areas of pulmonary and critical care medicine with a special interest in pulmonary infections in immunocompromised patients and the pulmonary complications of stem cell transplantation. In her Vice Chair



role, Dr. Zappetti is focused on advancing clinical care across the Department – enhancing the capabilities of clinical programs both in the inpatient and ambulatory arenas to meet the growing needs of patients at NewYork-Presbyterian/Weill Cornell Medical Center. She received her M.D. from Brown University and completed her residency training in internal medicine and a fellowship in pulmonary and critical care medicine at NewYork-Presbyterian/ Weill Cornell Medical Center. Since joining the Department in 2005, Dr. Zappetti has excelled in many leadership roles, including as Program Director for the Pulmonary and Critical Care Medicine Fellowship and as the Associate Dean of Student Affairs at Weill Cornell Medicine. She has earned numerous awards, including the J.J. Smith Memorial Award, Senior List, Excellence in Teaching Award, and Weill Department of Medicine Consultant of the Year.

Paige McMillan, M.H.A.

Chief Administrative Officer

In the key leadership role of Chief Administrative Officer, Paige directs strategic and operational business activities within the Department, including strategic planning, finance, research administration, clinical operations, capital planning, academic affairs, and education. With a focus on developing operational and fiscal solutions, she works collaboratively with leadership across NewYork-Presbyterian/Weill Cornell Medical Center. She also works with network hospitals to expand programs, improve quality, increase access, and develop opportunities for clinical and academic partnership.



Prior to joining Weill Cornell Medicine, Paige served as Vice Chair of Administration and Finance, Department of Surgery, at Mount Sinai Health System. She has also served as Administrative Director, Department of Radiation Oncology and Molecular Radiation Sciences at Johns Hopkins, where she began her career as an administrative resident-in-training. Paige holds a B.A. in Human Health and Society from the College of William and Mary and an M.H.A. from the Johns Hopkins Bloomberg School of Public Health. She also has a Certificate in Executive Presence and Influence from the Wharton School of the University of Pennsylvania. Paige is a member of the American College of Healthcare Executives.

7th Annual Research Retreat Day

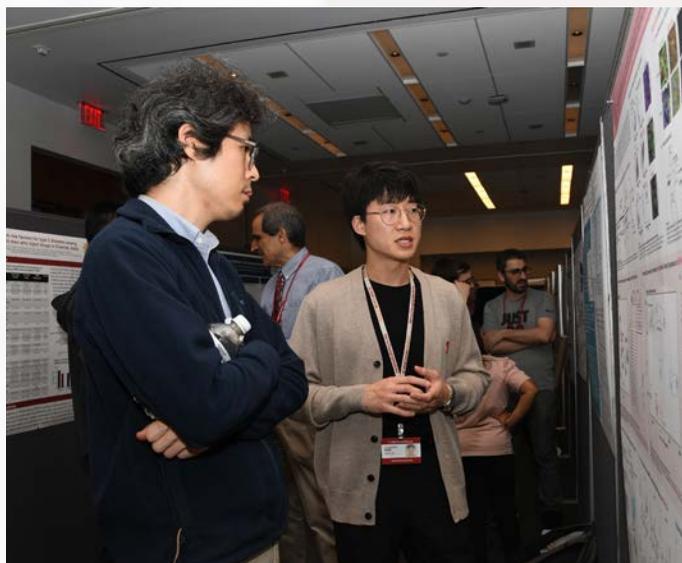
The Weill Department of Medicine's 7th annual Research Retreat Day drew 160 junior faculty, postdoctoral students, graduate students, and research technicians across the Weill Cornell Medicine community on Nov. 30, 2022. All gathered in Belfer Research Building – and on Zoom – to share groundbreaking research representing numerous Divisions, including Pulmonary and Critical Care Medicine;



Hematology and Medical Oncology; Endocrinology, Diabetes and Metabolism; Gastroenterology and Hepatology; Cardiology; Geriatrics and Palliative Care; and Infectious Diseases.

Keynote speaker Dr. E. Dale Abel, the William S. Adams Distinguished Professor of Medicine, Chair and Executive Medical Director of the Department of Medicine in the David Geffen School of Medicine and UCLA Health, presented a lecture titled “Mitochondria and the Pathophysiology of Cardiovascular Disease.”

Dr. Abel is the former Chair and Executive Officer of the Department of Internal Medicine and Professor of Medicine, Biochemistry, and Biomedical Engineering at the University of Iowa. A distinguished leader in



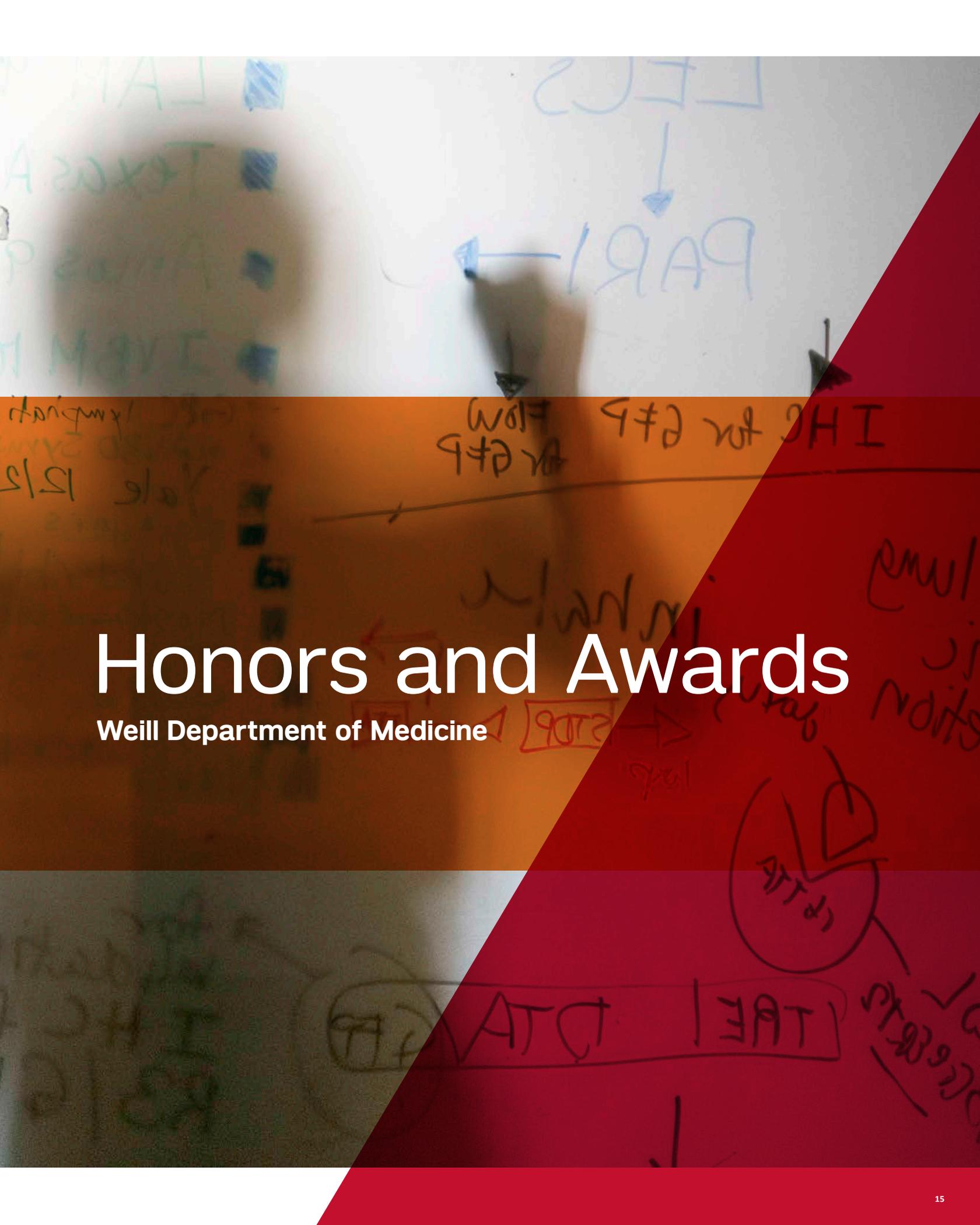
endocrine and metabolism research, Dr. Abel's pioneering work on glucose transport and mitochondrial metabolism in the heart guides his current research interests in the molecular mechanisms responsible for cardiovascular complications of diabetes.

Opening remarks were given by Dr. John Leonard,

Chair (Interim), and Dr. Steven Lipkin, Vice Chair for Research. Junior faculty presenters included Drs. Mark Bustoros, Grace Maldarelli, Alexandra Racanelli, and Shannon Reilly. Senior faculty presentations were given by Dr. Laura Kirkman, an Associate Professor of Medicine in Microbiology and Immunology and Dr. Gregory F. Sonnenberg, the Henry R. Erle, M.D. –



Roberts Family Associate Professor of Medicine and Head of Basic Research in Gastroenterology and Hepatology at Weill Cornell Medicine. Oral abstract presentations were given by Drs. Lilla Brody, Xiaofeng (Steve) Huang, Ruth Kagan and Joann P. Wongvavit.



Honors and Awards

Weill Department of Medicine

Honors & Awards

2022 Research Awards

Young Investigators Award

This annual award is presented to faculty below the rank of professor who perform on outstanding levels in the areas of clinical and/or basic biomedical research. It is supported by the Michael Wolk Foundation.

Winners

Dr. Christopher N. Parkhurst

Microbial Regulation of Microglial Synaptic Phagocytosis

Dr. Lily D. Yan, M.D., M.Sc.

Alarming High Lead Exposure Associated with Elevated Blood Pressure in Haiti: A Warning Sign for Low Income Countries

Runner-Up

Dr. Roberta Zappasodi

Oncogenicity and Immunogenicity Trade Offs Determine Hotspot Tumor Driver Mutations

The David E. Rogers Memorial Research Award

This award was established in 1995 to encourage medical residents to continue their investigative research in internal medicine. Four finalists are chosen to present their research at Medical Grand Rounds. The award was founded and is chaired by Holly S. Andersen, M.D., Director of Education and Outreach at The Ronald O. Perelman Heart Institute (and Associate Attending Physician at NewYorkPresbyterian Hospital and Associate Professor of Clinical Medicine at Weill Cornell Medical College) and is funded by the Holly Andersen Heart Foundation.

Winner

Dr. Christine Park

Diagnosis and Prognosis Risk Stratification of Cardiac Masses Via Perfusion Cardiac Magnetic Resonance

First Runner Up

Dr. Benjamin Biederman

Sex-based Disparities in Patients with High MELD-NA at Time of Listing for Liver

Runner Ups

Dr. Sonal Mallya

Race-sex Differences in Management of Hyperlipidemia Among Participants with COPD in the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Cohort

Dr. Eric Jurgens

Serologic Response to mRNA COVID-19 Vaccination in Lymphoma Patients

The Fellow Award in Research

The Fellows Award was founded in 2003 by Dr. Ralph L. Nachman to encourage fellows in the Department of Medicine to continue creative investigative research in internal medicine and to recognize significant research during fellowship training.

Winner

Dr. Grace Maldarelli

Enteric Bacteria Are Immune-reactive in Patients with Crohn's Disease with Extraintestinal Manifestations

Runners-Up

Dr. Madhav R. Seshadri

MALT1 Inhibition Decreases T-cell Exhaustion in the DLBCL Microenvironment

Dr. William Whalen

Proteomic Phenotyping in Acute Respiratory Distress Syndrome (ARDS)

2022 Visiting Professors

Richard Silver, M.D. Visiting Professor
April 13, 2022

Dr. Alison Moliterno, Johns Hopkins University School of Medicine

Ralph Nachman, M.D. Visiting Professor
May 18, 2022

Dr. Roy Silverstein, Medical College of Wisconsin

B.H. Kean-Boxer Family Foundation Lecture in Global Health
October 12, 2022

Dr. Michael Osterholm, University of Minnesota

Arthur Ashe Endowment-Christopher L. Barley, MD Lecturer
December 7, 2022

Dr. Michael Saag, University of Alabama at Birmingham

Endowed Professorships

Ronald D. Adelman, M.D.

Emilie Roy Corey Professor in Geriatrics and Gerontology

Laura Alonso, M.D.

The E. Hugh Luckey Distinguished Professor in Medicine

David Artis, Ph.D.

Michael Kors Professor in Immunology

Louis J. Aronne, M.D.

Sanford I. Weill Professor of Metabolic Research

Phyllis August, M.D.

Ralph A. Baer Professor of Medical Research

Ann Bordwine Beeder, M.D.

Jeanette and Jeffrey Lasdon Associate Professor of Clinical Public Health and Psychiatry

Julie Magarian Blander, Ph.D.

Gladys and Roland Harriman Professor of Immunology in Medicine

Jon David Blumenfeld, M.D. (Rogosin Institute)

Maxwell Professor of Clinical Medicine

S. Louis Bridges, Jr., M.D., Ph.D. (HSS)

Joseph P. Routh Professor of Rheumatic Diseases in Medicine

Franchellie M. Cadwell Chair

Robert S. Brown, Jr., M.D.

Vincent Astor Distinguished Professor in Medicine

Mary E. Charlson, M.D.

William T. Foley Distinguished Professor in Medicine

Sara J. Czaja, Ph.D.

Gladys and Roland Harriman Professor of Medicine

Curtis L. Cole, M.D.

Frances and John L. Loeb Associate Professor of Libraries and Information Technology

Ronald G. Crystal, M.D.

The Bruce Webster Professor of Internal Medicine

Jennifer Downs, M.D., Ph.D.

Ehrenkranz Family / Orli R. Etingin, M.D. Associate Professor in Women's Health

Orli R. Etingin, M.D.

Lisa and Sanford B. Ehrenkranz Professor in Women's Health

Joseph J. Fins, M.D.

E. William Davis, Jr., MD, Professorship of Medical Ethics

Daniel W. Fitzgerald, M.D.

B.H. Kean Professor in Tropical Medicine

Richard R. Furman, M.D.

Morton Coleman, MD, Distinguished Professor of Medicine

Roy M. Gulick, M.D.

Rochelle Belfer Professorship in Medicine

Barbara Hempstead, M.D., Ph.D.

O. Wayne Isom Professor of Medicine

Manuel Medina Hidalgo, M.D., Ph.D.
Walter B. Wriston Professor of Pancreatic
Cancer Research

Julianne L. Imperato-McGinley, M.D.
The Abby Rockefeller Mauzé Distinguished
Professorship in Endocrinology in
Medicine

Yoon Kang, M.D.
Richard P. Cohen, MD Associate Professor
of Medical Education

Mark S. Lachs, M.D.
The Irene F. & I. Roy Psaty Distinguished
Professor of Clinical Medicine

John P. Leonard, M.D.
Richard T. Silver Distinguished Professor
of Hematology and Medical Oncology

Bruce B. Lerman, M.D.
Hilda Altschul Master Professor
of Medicine

Steven M. Lipkin, M.D., Ph.D.
Gladys and Roland Harriman Professor
of Medicine

Fernando J. Martinez, M.D.
Bruce Webster Professor of Internal
Medicine II

Bassem M. Masri, M.D.
Daisy and Paul Soros/Recanati-Kaplan
Family Assistant Professor in Preventive
Cardiology

Ari M. Melnick, M.D.
Gebroe Family Professor of Hematology
Oncology

Taha Merghoub, Ph.D.
Margaret and Herman Sokol Professor
in Oncology Research

Henry W. Murray, M.D.
Arthur R. Ashe, Jr. Professor of Medicine

David M. Nanus, M.D.
Mark W. Pasmantier Professor of
Hematology and Oncology in Medicine

Douglas Fraser Nixon, D.Phil., M.B., B.S.
The Herbert J. and Ann L. Siegel
Distinguished Professor of Medicine

Jean William Pape, M.D.
Howard and Carol Holtzman Professor
in Clinical Medicine

Alessandra B. Pernis, M.D. (HSS)
The Peter Jay Sharp Chair in Lupus
Research

Erica Phillips, M.D.
Jack Fishman Associate Professorship
of Cancer Prevention

Geoffrey Pitt, M.D., Ph.D.
Ida and Theo Rossi Distinguished
Professor of Medicine

Holly G. Prigerson, Ph.D.
Irving Sherwood Wright Professor
in Geriatrics II

Shahin Rafii, M.D.
Arthur B. Belfer Professor in Genetic
Medicine

M. Carrington Reid, M.D., Ph.D.
Irving Sherwood Wright Professor in
Geriatrics and Gerontology I

Gail J. Roboz, M.D.
William S. Paley Professor in Clinical
Medicine

Linda Russell, M.D. (HSS)
The Anne and Joel Ehrenkranz Chair
in Perioperative Medicine

Monika Safford, M.D.
John J. Kuiper Professor of Medicine

Jane E. Salmon, M.D. (HSS)
Collette Kean Research Chair

Ellen J. Scherl, M.D.
Jill Roberts Professor of Inflammatory
Bowel Disease

Manish A. Shah, M.D.
Bartlett Family Professor of
Gastrointestinal Oncology

Sergio Schwartzman, M.D. (HSS)
Franchellie M. Cadwell Chair (Emeritus)

Eugenia L. Siegler, M.D.
Mason Adams Professor of Geriatric
Medicine

Harsimran Singh, M.D.
David S. Blumenthal Assistant Professor
of Medicine

Gregory Field Sonnenberg, Ph.D.
The Henry R. Erle, M.D. Roberts Family
Associate Professor of Medicine

Manikkam Suthanthiran, M.D.
Stanton Griffis Distinguished Professor
of Medicine

Harold E. Varmus, M.D.
Lewis Thomas University Professor
of Medicine

Jonathan W. Weinsaft, M.D.
Antonio M. Gotto Jr., M.D. Professor in
Atherosclerosis and Lipid Research

Jedd Wolchok, M.D., Ph.D.
Sandra and Edward Meyer Director,
Sandra and Edward Meyer Cancer

Clinical, Education, and Research Scholars

The Clinical, Education and Research
Scholar Endowment is designed to
provide outstanding junior faculty
financial support early in their careers.
Support is provided specifically to help
these faculty balance patient care with
research and teaching.

Ashish Saxena, MD, Ph.D.
Madeline and Stephen Anbinder Clinical
Scholar in Hematology/Oncology
Amy Shaw, M.D.

Joachim Silberman Family Clinical
Scholar in Geriatric Palliative Care

Tessa Del Carmen, M.D.
Roland Balay Clinical Scholar

Pinkal Desai, M.D.
Charles, Lillian, and Betty Neuwirth
Clinical Scholar in Oncology

Lukas E. Dow, Ph.D.
Burt Gwartzman Research Scholar in Lung
Cancer

Kathryn M. Dupnik, M.D.
Nan and Stephen Swid Research Scholar
in Medicine

Bishoy Faltas, M.D.
Gellert Family-John P. Leonard, M.D.
Research Scholar

Marcus D. Goncalves, M.D., Ph.D.
Ralph L. Nachman Research Scholar

Goyal Parag, M.D.
Etingin Family Clinical Scholar in Medicine

Samuel M Kim, MD
Michael Wolk Heart Foundation Clinical
Scholar in Cardiology

Dhruv Khullar, M.D.
Nanette Laitman Clinical Scholar in
Healthcare Policy Research/Quality
of Care Research

Jiwon Kim, M.D.
Bruce B. Lerman Clinical Scholar

Lindsay Lief, M.D.
Abby Joseph Cohen Clinical Scholar

Jyoti S. Mathad, M.D.
Bonnie Johnson Sacerdote Clinical Scholar
in Women's Health

Alexandra Gomez Arteaga, MD
Anne Moore M.D. Clinical Scholar
in Hematology and Oncology

Hasina Outtz Reed, M.D., Ph.D.
James Hilton Manning and Emma Austin

Honors & Awards (continued)

Manning Foundation Research Scholar

Michael J. Satlin, M.D.

William Randolph Hearst Foundation
Clinical Scholar in Microbiology &
Infectious Diseases

Edward J. Schenk, M.D.

James P. Smith M.D. Clinical Scholar

SriHari Mahadev, M.B.B.S.

Linda Horowitz Cancer Research Foundation
Clinical Scholar in Gastroenterology

John Nathan Allan, M.D.

David M. Nanus, MD Clinical Scholar
in Cancer

Kristy Angela Brown, Ph.D.

Emilie Lippmann and Janice Jacobs
McCarthy Research Scholar in Breast
Cancer

Sydney Elizabeth Katz, M.D.

Gary M. Summers Education Scholar

Dawid Grzegorz Nowak, Ph.D.

Walter B. Wriston Research Scholar

Maria Plataki, M.D., Ph.D.

Jane and Frederic Hamilton Clinical
Scholar in Lipids

Milagros D. Silva, M.D.

Silbermann Family Clinical Scholar
in Geriatric Palliative Care

2023 Teaching Awards

The Weill Department of Medicine
congratulates its faculty who received
teaching awards at the Weill Cornell
Medicine Class of 2023 commencement
ceremony held on May 17, 2023.

The Leonard P. Tow Humanism in Medicine Award

Dr. Pamela Charney

The Senior List

Dr. Juliet Aizer

Dr. Kimberly Bloom-Feshbach

Dr. Pamela Charney

Dr. Domenick Falcone

Dr. Joy Howell

Dr. Sydney Katz

Dr. Keith LaScala

Dr. William Levine

Dr. Demetri Merianos

Dr. Estomih Mtui

Dr. Anthony Ogedegbe

Dr. Peter Sculco

Dr. Kaushal Shah

Dr. Joshua Weaver

The Charles L. Bardes, M.D. Teaching Prize

Dr. Estomih Mtui

The Volunteer Clinical Faculty Award of Alpha Omega Alpha

Dr. Hooman Yaghoobzadeh

The 1952 Resident Physician Prize

Dr. John Mancini

The Elliott Hochstein Teaching Award

Dr. Demetri Merianos

The House Staff Teaching Award

Dr. Ezra Gabbay

The Medical Student Executive Council (First Year Teaching Award)

Dr. Kathleen Bubb

The Medical Student Executive Council (Second Year Teaching Award)

Dr. Sushil Kumar

The Richard A. Herrmann, M.D. Teaching Award

Dr. Brian Eiss

The National Academy of Medicine (NAM)

Dr. Jeremiah A. Barondess (Emeritus
Columbia)

Dr. Augustine M.K. Choi

Dr. R. Gordon Douglas, Jr. (Emeritus)

Dr. Joseph J. Fins

Dr. Antonio M. Gotto, Jr. (Dean Emeritus)

Dr. Rainu Kaushal

Dr. Gary A. Koretzky

Dr. Ralph L. Nachman (Emeritus)

Dr. Carl F. Nathan

Dr. Jean W. Pape

Dr. Jane E. Salmon (HSS)

Dr. Andrew I. Schafer

Dr. Harold E. Varmus

Association of American Physicians

Dr. Omar Abdel-Wahab (MSKCC Affiliate)

Dr. Peter B. Bach (MSKCC Affiliate)

Dr. Jeremiah A. Barondess (NY Academy of
Medicine Emeritus)

Dr. Carl P. Blobel (HSS Affiliate)

Dr. Mary E. Charlson

Dr. Augustine M.K. Choi

Dr. Bayard D. Clarkson (MSKCC Affiliate
Emeritus)

Dr. Ronald G. Crystal (Emeritus)

Dr. Luis A. Diaz, Jr. (MSKCC Affiliate)

Dr. R. Gordon Douglas, Jr. (Emeritus)

Dr. James A. Fagin (MSKCC Affiliate)

Dr. Joseph J. Fins

Dr. Daniel Fitzgerald

Dr. Silvia C. Formenti (secondary appt)

Dr. Michael Glickman (MSKCC Affiliate)

Dr. Antonio M. Gotto, Jr. (Dean Emeritus)

Dr. Roy M. Gulick

Dr. Katherine A. Hajjar (secondary appt)

Dr. Barbara L. Hempstead

Dr. Katherine C. Hsu (MSKCC Affiliate)

Dr. Julianne L. ImperatoMcGinley

Dr. Lionel B. Ivashkiv (HSS Affiliate)

Dr. Warren D. Johnson, Jr.

Dr. Rainu Kaushal (secondary appt)

Dr. Gary A. Koretzky (Cornell University, Ithaca)

Dr. Mary Jeanne Kreek (Rockefeller Affiliate)

Dr. James Krueger (Rockefeller Affiliate)

Dr. Ross L. Levine (MSKCC Affiliate)

Dr. Fernando Martinez

Dr. Ari M. Melnick

Dr. Henry W. Murray (Emeritus)

Dr. Ralph L. Nachman (Emeritus)

Dr. David M. Nanus

Dr. Carl Nathan (secondary appt)

Dr. Kenneth Offit (MSKCC Affiliate)

Dr. Geoffrey Pitt

Dr. Shahin Rafii

Dr. Kyu Rhee

Dr. Neal Rosen (MSKCC Affiliate)

Dr. Charles M. Rudin (MSKCC Affiliate)

Dr. Jane E. Salmon (HSS Affiliate)

Dr. Charles L. Sawyers (MSKCC Affiliate)

Dr. Andrew I. Schafer

Dr. David A. Scheinberg (MSKCC Affiliate)

Dr. Howard I. Scher (MSKCC Affiliate)

Dr. Deborah Schrag (MSKCC Affiliate)

Dr. David B. Solit (MSKCC Affiliate)

Dr. Wadi N. Suki (Baylor Emeritus)

Dr. Manikkam Suthanthiran

Dr. Marcel R.M. van den Brink (MSKCC
Affiliate)

Dr. Thomas J. Walsh

Dr. Babette B. Weksler (Emeritus)

Dr. Marc E. Weksler (Emeritus)

Dr. Jedd Wolchok

The American Society for Clinical Investigation

Dr. Omar AbdelWahab (MSKCC Affiliate)

Dr. Abdul B. AbouSamra (Hamad Medical
Corporation Affiliate)

Dr. Laura C. Alonso

Dr. Peter B. Bach (MSKCC Affiliate)

Dr. Marina Fernandes de Barros Caskey
(Rockefeller Affiliate)

Dr. John Blass (secondary appt – Emeritus)

Dr. Richard S. Bockman (HSS Affiliate)

Dr. Renier J. Brentjens (MSKCC Affiliate)

Dr. Sarat Chandarlapaty (MSKCC Affiliate)

Dr. Yu Chen (MSKCC Affiliate)

Dr. Ping Chi (MSKCC Affiliate)

Dr. Augustine M.K. Choi

Dr. Bayard D. Clarkson (MSKCC Affiliate)

Dr. David E. Cohen

Dr. Ronald G. Crystal
 Dr. Luis A. Diaz, Jr. (MSKCC Affiliate)
 Dr. R. Gordon Douglas, Jr. (Emeritus)
 Dr. James A. Fagin (MSKCC Affiliate)
 Dr. Daniel W. Fitzgerald
 Dr. Michael S. Glickman (MSKCC Affiliate)
 Dr. Antonio M. Gotto, Jr. (Dean Emeritus)
 Dr. Roy M. Gulick
 Dr. Katharine A. Hajjar
 Dr. Alan M. Hanash (MSKCC Affiliate)
 Dr. Barbara L. Hempstead
 Dr. Tobias M. Hohl (MSKCC Affiliate)
 Dr. Peter R. Holt (Rockefeller Affiliate)
 Dr. Katherine C. Hsu (MSKCC Affiliate)
 Dr. Lionel B. Ivashkin
 Dr. Richard N. Kolesnick (MSKCC Affiliate)
 Dr. Gary Koretzky
 Dr. James G. Krueger (Rockefeller Affiliate)
 Dr. Dan A. Landau
 Dr. C. Ola Landgren (MSKCC Affiliate)
 Dr. Jeffrey C. Laurence
 Dr. John P. Leonard
 Dr. Ross L. Levine (MSKCC Affiliate)
 Dr. James Lo
 Dr. Steven M. Lipkin
 Dr. Piro Lito (MSKCC Affiliate)
 Dr. Randy S. Longman
 Dr. Ari M. Melnick
 Dr. James K. Min (secondary appt)
 Dr. Henry W. Murray
 Dr. Thangamani Muthukumar
 Dr. Ralph L. Nachman (Emeritus)
 Dr. David M. Nanus
 Dr. Carl F. Nathan
 Dr. Douglas F. Nixon
 Dr. Kenneth Offit (MSKCC Affiliate)
 Dr. Alessandra B. Pernis (HSS Affiliate)
 Dr. Geoffrey S. Pitt
 Dr. David N. Posnett (Emeritus)
 Dr. Shahin Rafii
 Dr. Kyu Y. Rhee
 Dr. Lisa Roth
 Dr. Charles M. Rudin (MSKCC Affiliate)
 Dr. Michel Sadelain (MSKCC Affiliate)
 Dr. Charles L. Sawyers (MSKCC Affiliate)
 Dr. Andrew I. Schafer
 Dr. David A. Scheinberg (MSKCC Affiliate)
 Dr. Robert E. Schwartz
 Dr. Kendall A. Smith
 Dr. David Solit (MSKCC Affiliate)
 Dr. Wadi N. Suki (Baylor – Emeritus)
 Dr. Manikkam Suthanthiran
 Dr. William D. Tap (MSKCC Affiliate)
 Dr. Marcel R.M. van den Brink (MSKCC Affiliate)
 Dr. Alan M. Weinstein
 Dr. Babette B. Weksler (Emeritus)
 Dr. Marc E. Weksler (Emeritus)
 Dr. Jedd Wolchok (MSKCC Affiliate)
 Dr. Stefan Worgall (secondary appt)

Castle Connolly Top Doctors

(This list is based on an online search of Castle Connolly Top Doctors conducted in July 2023.)

Allergy & Immunology

Dr. Frederick Ast
 Dr. Michael J. Chandler
 Dr. Sebastian S. Lighvani
 Dr. Elena S. Resnick

Cardiac Electrophysiology

Dr. Jim Cheung
 Dr. Seth H. Goldberg (NYP/Queens)
 Dr. James Ip
 Dr. Bruce Lerman
 Dr. Steven M. Markowitz
 Dr. David J. Slotwiner (NYP/Queens)
 Dr. Gioia Turitto (NYP/Brooklyn Methodist)
 Dr. Miguel Valderrabano (Houston Methodist)

Cardiovascular Disease

Dr. Olakunle Akinboboye (NYP/Queens)
 Dr. Holly Andersen
 Dr. James A. Blake
 Dr. David S. Blumenthal
 Dr. Jeffrey S. Borer
 Dr. Robert D. Campagna
 Dr. Adam Deutsch
 Dr. Richard B. Devereux
 Dr. Hajir E. Dilmanian (NYP/Brooklyn Methodist)
 Dr. Timothy C. Dutta
 Dr. Jeffrey D. Fisher
 Dr. Kenneth W. Franklin
 Dr. Richard M. Fuchs
 Dr. Joy Gelbman
 Dr. Harvey L. Goldberg
 Dr. Kirsten O. Healy
 Dr. John F. Heitner (NYP/Brooklyn Methodist)
 Dr. Evelyn M. Horn
 Dr. Lawrence A. Inra
 Dr. Mazen O. Kamen
 Dr. Robert J. Kim
 Dr. Karla M. Kurrelmeyer (Houston Methodist)
 Dr. John J. Mahmarian (Houston Methodist)
 Dr. David T. Majure
 Dr. Bassem M. Masri
 Dr. Ellen Mellow
 Dr. David H. Miller
 Dr. Richard L. Mueller
 Dr. Sherif F. Nagueh (Houston Methodist)
 Dr. Lynne V. Perry-Bottinger (NYP/Queens)
 Dr. Martin R. Post
 Dr. Miguel A. Quinones (Houston Methodist)
 Dr. Mary J. Roman

Dr. Allison Spatz
 Dr. Theodore Tyberg
 Dr. Nir Uriel (NYP/Columbia)
 Dr. Michael J. Wolk
 Dr. Daniel Yadegar
 Dr. Hooman Yaghoobzadeh
 Dr. William A. Zoghbi (Houston Methodist)

Endocrinology, Diabetes, & Metabolism

Dr. Laura C. Alonso
 Dr. Louis Aronne
 Dr. Richard S. Bockman
 Dr. Georgiana A. Dobri
 Dr. Edmund W. Giegerich (NYP/Brooklyn Methodist)
 Dr. Barry J. Klyde
 Dr. Andrew J. Martorella
 Dr. Steven M. Petak (Houston Methodist)
 Dr. Richard J. Robbins (Houston Methodist)

Family Medicine

Dr. George J. Kessler
 Dr. Thomas G. Molnar (NYP/Queens)
 Dr. Moitri Chowdhury Savard

Gastroenterology & Hepatology

Dr. Paul M. Basuk
 Dr. Robert S. Brown, Jr.
 Dr. Michael C. Cantor
 Dr. Bradley A. Connor
 Dr. Robert B. Cooper
 Dr. Gulchin A. Ergun (Houston Methodist)
 Dr. Sonal Kumar
 Dr. Arnon Lambroza
 Dr. Susan L. Lucak
 Dr. Franklin Marsh, Jr.
 Dr. Paul F. Miskovitz
 Dr. Jerry Nagler
 Dr. Michel E. Nussbaum (NYP/Queens)
 Dr. James A. Rand (NYP/Queens)
 Dr. Moshe Rubin
 Dr. Ellen Scherl
 Dr. Michael J. Schmerin
 Dr. Felice Schnoll Sussman
 Dr. Won Sohn (NYP/Brooklyn Methodist)
 Dr. Meyer N. Solny
 Dr. Donald N. Tsynman (NYP/Lower Manhattan)
 Dr. Wallace J. Wang
 Dr. Arnold L. Weg
 Dr. Gil Weitzman

Geriatric Medicine

Dr. Ronald D. Adelman
 Dr. Mark S. Lachs
 Dr. Sonal S. Mehta
 Dr. Barrie Lynn Raik
 Dr. Eugenia L. Siegler
 Dr. George E. Taffet (Houston Methodist)

Honors & Awards (continued)

Hematology & Medical Oncology

Dr. Perry C. Cook (NYP/Brooklyn Methodist)
Dr. Maria De Sancho
Dr. John P. Leonard
Dr. Ruben Niesvizky
Dr. Raymond David Pastore
Dr. Gail J. Roboz
Dr. Andrew Schafer
Dr. Koen W. Van Besien
Dr. David J. Wolf

Hospice & Palliative Medicine

Dr. Cynthia X. Pan (NYP/Queens)

Infectious Disease

Dr. Barry Brause
Dr. Marshall J. Glesby
Dr. David C. Helfgott
Dr. Harold W. Horowitz (NYP/Brooklyn Methodist)
Dr. Henry W. Murray
Dr. Sorana Segal-Maurer (NYP/Queens)
Dr. Paul T. Smith
Dr. Rosemary Soave
Dr. Ole Vielemeier

Internal Medicine

Dr. Monica Altman
Dr. Louis J. Aronne
Dr. Christopher L. Barley
Dr. Baquar M. Bashey (NYP/Brooklyn Methodist)
Dr. Ryan Bell
Dr. Allan E. Beyda (NYP/Queens)
Dr. Roger M. Chung (NYP/Lower Manhattan)
Dr. Richard P. Cohen
Dr. Symra A. Cohn
Dr. Trenton R. Collier
Dr. Arturo Constantiner (NYP/Lower Manhattan)
Dr. Ward Cunningham-Rundles
Dr. Howard Eison
Dr. Orli Etingin
Dr. Laura Lani Fisher
Dr. Marina Gafanovich
Dr. Flavia A. Golden
Dr. Daniel Goldin
Dr. Catherine C. Hart
Dr. Len H. Horovitz
Dr. Matteethra Chandry Jacob (Houston Methodist)
Dr. Lisa J. Kalik
Dr. Jason S. Kendler
Dr. Helang Cho Kravitz (NYP/Lower Manhattan)
Dr. Keith LaScalea
Dr. Meredith LashDardia
Dr. Michael R. Leonard
Dr. Amy Lichtenfeld

Dr. George Liu
Dr. Bruce D. Logan
Dr. Samuel J. Mann
Dr. Jacqueline M. Mayo
Dr. Parag H. Mehta (NYP/Brooklyn Methodist)
Dr. Jennifer Meller
Dr. Mark L. Meyer
Dr. Shari R. Midoneck
Dr. Serena A. Mulhern
Dr. Thomas Nash
Dr. Deena J. Nelson
Dr. Y-Uyen L. Nguyen (NYP/Lower Manhattan)
Dr. Sonal Parr
Dr. Mark S. Pecker
Dr. Perry Pong (NYP/Lower Manhattan)
Dr. Arthur I. Radin
Dr. Jill M. Rieger
Dr. Tsun Y. Shen (NYP/Lower Manhattan)
Dr. Todd L. Simon (NYP/Brooklyn Methodist)
Dr. Rachel M. Smerd
Dr. Adam R. Stracher
Dr. Judy Tung
Dr. Jessica Weiser McCarthy
Dr. Wendy S. Ziecheck

Interventional Cardiology

Dr. Douglas Ray Bree (Houston Methodist)
Dr. Sorin Brener (NYP/Brooklyn Methodist)
Dr. Neal S. Kleiman (Houston Methodist)
Dr. Shing-Chiu Wong

Medical Oncology

Dr. Alan B. Astrow (NYP/Brooklyn Methodist)
Dr. Jenny C. Chang (Houston Methodist)
Dr. Morton Coleman
Dr. Julian A. Decter
Dr. David C. Dosik (NYP/Brooklyn Methodist)
Dr. Lauren Elreda (NYP/Queens)
Dr. Howard A. Fine
Dr. Robert M. Gelfand
Dr. Manuel Hidalgo
Dr. Nancy E. Kemeny (MSKCC)
Dr. Bernard M. Kruger
Dr. Ana Molina
Dr. David M. Nanus
Dr. Allyson J. Ocean
Dr. Mark W. Pasmantier
Dr. Anna C. Pavlick
Dr. Bonnie S. Reichman
Dr. Joseph T. Ruggiero
Dr. Scott T. Tagawa
Dr. Gina M. Villani (NYP/Queens)
Dr. Andrew D. Zelenetz (MSKCC)

Nephrology

Dr. Phyllis August
Dr. Jon D. Blumenfeld

Dr. Stuart Saal
Dr. David Serur
Dr. Bruce S. Spinowitz (NYP/Queens)
Dr. John C. Wang
Dr. Ruth L. Wintz (Houston Methodist)

Pulmonary Disease

Dr. David Berlin
Dr. Lester W. Blair (NYP/Lower Manhattan)
Dr. Clinton H. Doerr (Houston Methodist)
Dr. Andrea B. Feng (NYP/Lower Manhattan)
Dr. Brian D. Gelbman
Dr. Liziamma George (NYP/Brooklyn Methodist)
Dr. Fabio Giron
Dr. Daniel M. Libby
Dr. Rameen M. Miarrostami (NYP/Brooklyn Methodist)
Dr. Michael S. Niederman
Dr. Anthony Saleh (NYP/Brooklyn Methodist)
Dr. Abraham Sanders
Dr. Eugene Shostak
Dr. Sidney K. Stein
Dr. Jeremy A. Weingarten (NYP/Brooklyn Methodist)
Dr. Dana Zappetti

Rheumatology (Hospital for Special Surgery)

Dr. Juliet B. Aizer
Dr. Dalit Ashany
Dr. Anne R. Bass
Dr. Doruk Erkan
Dr. Theodore R. Fields
Dr. Allan Gibofsky
Dr. Susan M. Goodman
Dr. Jessica K. Gordon
Dr. Alana B. Levine
Dr. C. Ronald MacKenzie
Dr. Joseph A. Markenson
Dr. Stephen Paget
Dr. Edward Parrish
Dr. Linda Russell
Dr. Lisa R. Sammaritano
Dr. Sergio Schwartzman
Dr. Robert Spiera
Dr. Richard Stern
Dr. Arthur M. F. Yee

Sleep Medicine

Dr. Dianne M. Augelli
Dr. Ana C. Krieger
Dr. Gerard T. Lombardo (NYP/Brooklyn Methodist)

Sports Medicine

Dr. Lisa R. Callahan (HSS)
Dr. Scott E. Rand (Houston Methodist)
Dr. Christian M. Schupp (Houston Methodist)



Division Profiles

Weill Department of Medicine

Cardiology



Jonathan W. Weinsaft, M.D.

Chief, Maurice R. and Corrine P. Greenberg Division of Cardiology

Antonio M. Gotto Jr., M.D. Professor in Atherosclerosis and Lipid Research

Professor of Medicine

Attending Physician, NewYork-Presbyterian Hospital

The Maurice R. and Corrine P. Greenberg Division of Cardiology is a leader in both clinical and investigational cardiology. The Division is at the forefront of development and application of cutting-edge technologies – including emerging strategies in cardiovascular diagnostics, surveillance, and therapeutics. Clinical exceptionalism is paralleled by achievement in scientific investigation. Our internationally renowned basic science programs investigate molecular mechanisms of cardiovascular disease - including mediators of cardiac arrhythmias, genetics of heart disease, cardiovascular development and congenital heart disease, transformation and homing of stem cells for myocardial regeneration and multidimensional characterization of cardiopulmonary disease. Translational research conducted in the Division has yielded groundbreaking insights regarding tissue-based modulators of valvular heart disease, prognostic risk stratification of coronary atherosclerosis and heart failure, national practice patterns and outcomes for coronary and electrophysiologic device implantation, as well as cardiovascular health services.

The Division has a long-standing commitment to developing the next generation of clinical and academic cardiology leaders – training and mentorship is central to our identity and is a major focus of our daily activities. Our fellowship programs (listed below) are a magnet for exceptional trainees, who are highly academically productive throughout training and beyond. In parallel, the Division collaborates extensively with complementary disciplines throughout Weill Cornell Medicine, Cornell University, and NewYork-Presbyterian Hospital to provide immersion and research for early career investigators – informed by our shared commitment to fostering diversity and providing opportunity to a broad scope of trainees. To this end, in July 2022 we were awarded an NIH T32 fellowship training grant – which leverages synergistic academic and clinical strengths in our Division and provides a structured framework that empowers our fellows to be at the forefront of clinical and academic cardiovascular medicine.

Cardiovascular services at Weill Cornell Medicine and NewYork-Presbyterian achieve superior outcomes in a broad array of areas, including interventional and non-invasive testing, coronary and electrophysiology focused therapeutics, structural/valvular heart disease, pulmonary vascular disease and advanced heart failure as well as outpatient consultative and longitudinal care. Areas of clinical exceptionalism span a broad full spectrum of heart and vascular conditions - encompassing cardiac arrhythmias, coronary and peripheral arterial disease, valve disease, genetically triggered myopathies, heart failure inclusive of reduced and preserved EF, myocarditis, sequelae of autoimmune disease(s), chemotherapy, LVAD program and most recently cardiac transplantation, adult congenital heart disease and a cardiac-



obstetrics program. To enable accelerated care for with acute cardiovascular conditions, Divisional resources include a Cardiac Intensive Care Unit, Telemetry and Step-Down Unit, and as well as board array of interventional laboratories. Outpatient resources include state-of-the-art office facilities, remote monitoring, and imaging/stress testing laboratories.

Program initiatives in an array of cardiology sub-specialties have fostered clinical and academic growth. Regarding electrophysiology, developments include new strategies for cardiac pacing (e.g., conduction system pacing and leadless pacing), ultra-high density and imaging guided arrhythmia mapping (including non-contact mapping), new approaches for ablation (e.g., novel methods of radiofrequency ablation and investigational pulse field ablation) and stereotactic radiation-enabled arrhythmia ablation. Our cardiac catheterization/ transcatheter structural laboratories have a focus on clinical excellence and collaboration. Structural procedures include aortic valve replacement (TAVR), transcatheter mitral valve repair (Mitraclip), and emerging therapies for tricuspid valve repair/ replacement.

Our adult congenital heart disease (ACHD) program provides care for the entire spectrum of ACHD patients and offers expertise in transcatheter therapies including percutaneous closure of atrial septal defects, stenting for pulmonary artery stenosis and aortic coarctation, coronary fistula closure, and transcatheter pulmonary valve replacement. Our endovascular service offers a wide spectrum of advanced therapies including innovative interventional heart failure therapies, such as splanchnic nerve denervation and novel mechanical support devices. Our doctors' exceptional outcomes in coronary interventions is among New York State's best, as evidenced by a risk-adjusted mortality rate of 0.65 for percutaneous coronary interventions in the May 2023 publication of PCI Outcomes Reports in New York State.

An additional area of growth is the NYP-Weill Cornell's expanding heart failure program, which offers a full spectrum of heart failure care with experts focused on advanced heart failure and cardiogenic shock, heart failure with preserved ejection fraction, genetic, inflammatory, and infiltrative cardiomyopathies, pulmonary hypertension, and heart replacement therapies including left ventricular assist devices and cardiac transplant.

We performed our first cardiac transplant at NYP-Cornell in February 2023 and continue to grow. Our cardiovascular imaging program has pioneered an array of cutting-edge technologies – including artificial intelligence-guided image analysis, novel methods for myocardial tissue characterization and echocardiographic strain, each of which are embedded in federally-funded research initiatives as well as clinical services.



Divisional achievements are further evidenced by an expanding scope of extramurally funded research: Active National Institutes of Health (NIH) research protocols span an array of basic, translational, and technology focused areas of cardiovascular investigation. These include federally funded grants focused on COVID-19 cardiomyopathy, genetically triggered aortopathies, cardiac MRI technology development, molecular characterization of pulmonary hypertension, value optimization in cardiac testing, heart regeneration, cardiac arrhythmia mechanisms, aortic stenosis, and complications of diabetes and obesity on cardiovascular health.

In July 2023, Dr. Jonathan W. Weinsaft became chief of the Greenberg Division of Cardiology. Dr. Weinsaft is an esteemed physician-scientist with expertise in cardiovascular imaging including technical development, translational research and clinical applications. He succeeds Dr. Bruce B. Lerman, who led the division since 1995. Dr. Lerman remains on Weill Cornell Medicine's faculty, leading the Greenberg Institute for Cardiac Electrophysiology and continuing his clinical and research activities.

Cardiology Fellowships

Cardiology Fellowships offered by the Cardiology Division are as follows:

- **General Cardiology:** three-year program that prepares highly qualified candidates for careers in investigative and clinical cardiology. Harsimran Singh M.D., Program Director
- **Research-intensive Cardiology:** four-year program that targets highly qualified candidates for careers as NIH-funded physician-scientists via NIH T32 training. Geoffrey Pitt M.D., Ph.D., T32 Training Program Director
- **Electrophysiology:** two-year training fellowship for intensive clinical training in mapping and ablation of complex arrhythmias. Jim W. Cheung M.D., Program Director
- **Interventional Cardiology:** one-year advanced training fellowship in interventional cardiology, including development and clinical application of established and emerging device technologies. Harsimran Singh M.D., Program Director
- **Advanced Heart Failure / Transplant:** one-year training program focused on pathophysiology and therapeutic management of advanced heart failure. Irina Sobol, M.D. Program Director
- **Cardiovascular Imaging:** one year training program encompassing advanced (MRI, CT) and established (echo) imaging modalities, including technological development and clinical applications. Jiwon Kim M.D., Program Director

Clinical Epidemiology and Evaluative Sciences Research



Mary E. Charlson, M.D.

Chief, Division of Clinical Epidemiology and Evaluative Sciences Research

William T. Foley Distinguished Professor of Medicine

Professor of Medicine

Attending Physician, NewYork-Presbyterian Hospital

The Division of Clinical Epidemiology and Evaluative Sciences Research draws upon the talents and experience of a multidisciplinary faculty based at Weill Cornell Medicine, Cornell University-Ithaca, Cornell Tech, and other institutions. Faculty members are experts in qualitative and quantitative research methodology, health services research, clinical epidemiology, medical informatics, decision sciences, health disparities research, community-based participatory research, clinimetrics, outcomes research, and behavioral science. They work together in a series of activities designed to encourage and systematically support the development of new research initiatives within and outside the Division.



Research efforts in the Division include a strong track record with the National Institutes of Health (NIH) and Patient-Centered Outcomes Research Institute (PCORI) and an ongoing commitment to fostering a new generation of investigators through training grants and other opportunities. As leaders in population health research, the Division plays a unique role at Weill Cornell Medicine through its contributions to behavioral science, health disparities, and population health. It has enrolled more than 3,000 patients in clinical research studies. We provide

national leadership in bending the cost curve by implementing innovative and evaluative strategies for population management focused on interventions in high comorbidity patients. Related areas of investigation include studies to improve clinical outcomes, behavioral science research, research on complex patients with a significant burden of comorbidity, and comparative effectiveness. We also seek to stimulate and support new clinical, health services, and outcomes research within and outside of Weill Department of Medicine.

Divisional faculty lead graduate training programs in clinical epidemiology and research methodology. Graduates of the master's program in Clinical Epidemiology and Health Services Research have received more than \$200 million in peer-reviewed funding. Our faculty continue to publish top-tier research papers focused on improving outcomes of patients with chronic illness.

The PCORI cRTC, *Preventing Tipping Points In High Comorbidity Patients: A Lifeline From Health Coaches* (Dr. Charlson, Principal Investigator), compares the outcomes of patients randomized in clusters by FQHC within PBRNs. In this study, the research team is adding health coaches to patients' healthcare teams to help patients set life and health goals and manage their chronic conditions. They want to know how well medical teams, with a health coach, help patients manage their conditions and avoid unplanned hospital visits as compared with medical teams that do not have a health coach.

The CARE T37 program, co-directed by Dr. Said Ibrahim, and Drs. Mary Charlson and Linnie Golightly aims to identify talented URM pre-and post-doctoral trainees across the health sciences who are considering careers in health equity and global health research. Selected trainees of the program will engage in a mentored research experience tailored to their individual career and research goals.

Hunter-Cornell National Heart, Lung, and Blood Institute (NHLBI) Health Disparities Fellowship

Carla Boutin Foster M.D.
M.S. Rodrigo Valles, Ph.D.
Mary E. Charlson, M.D.

A two-year training program (T32 NHLBI Fellowship Program) that trains pre-and post-doctoral students and residency physicians to conduct methodologically rigorous research focused on cardiovascular health disparities in a multidisciplinary environment.

Endocrinology, Diabetes and Metabolism



Dr. Laura Alonso

Chief, Division of Endocrinology,
Diabetes and Metabolism

Director, Weill Center for
Metabolic Health

E. Hugh Luckey Distinguished
Professor of Medicine

Professor of Medicine
Weill Cornell Medicine

Attending Physician,
NewYork-Presbyterian Hospital

As part of a world-class academic medical center, the Division of Endocrinology, Diabetes and Metabolism is dedicated to providing the highest quality of care to patients with endocrine and metabolic disorders, conducting ground-breaking research to advance the frontiers of endocrinology and diabetes, and training physicians to become successful clinicians and physician-scientist leaders in academic medicine.

We are proud to report a newly funded National Institutes of Health (NIH) T32 training grant in Endocrinology and Metabolism. The grant supports a new program designed to bring clinical fellows and research postdocs together to inspire and train the next generation of leaders in endocrinology research. It is currently the only T32 grant focused on adult endocrine disorders in New York City.

The Division offers exceptional patient care across the spectrum of endocrine disorders. With respect to diabetes, we provide state-of-the-art care for patients with type 1, type 2, and gestational diabetes mellitus, offering a multidisciplinary team approach with comprehensive case management and individualized treatment for every patient. Our expert diabetes team includes physicians, nurse practitioners, certified diabetes care and education specialists, and registered nutritionists who are experienced in intensive diabetes management, including insulin pump therapy, continuous glucose monitoring systems, and state-of-the-art hybrid closed-loop systems. The Division receives federal funding to support ongoing clinical and bench research in diabetes.

The Comprehensive Weight Control Center (CWCC), at the forefront of obesity medicine, is directed by Dr. Louis J. Aronne, Professor of Clinical Medicine and the Sanford I. Weill Professor of Metabolic Research. Dr. Aronne and a staff of obesity medicine specialists and nutritionists provide a uniquely effective form of “weight-centric” patient care to achieve weight loss in complex cases, which forms the clinical foundation for the field of Obesity Medicine. Led by Dr. Alpana Shukla, Director of Clinical Research at the CWCC, the research staff runs clinical trials on the management of obesity and metabolic disease with diet, medication, and novel devices, and has fostered

collaborations with multiple Divisions and Departments at Weill Cornell Medicine to develop cross-discipline treatment and research programs. The CWCC fellowship program is one of the largest in the country. The center educates clinical trainees at all levels and mentors master’s students from the Institute for Human Nutrition, Columbia University, and Weill Cornell Medical College.

The Division has deep expertise in classical endocrine disorders, including all forms of thyroid disease (thyroid nodules and cancer); disorders of calcium metabolism, osteoporosis, and metabolic bone disease; reproductive endocrinology such as the treatment of menstrual irregularities, hirsutism, menopause, and androgen deficiency; and disorders of the pituitary and adrenal glands. Should surgery be necessary for the treatment of an endocrine disorder, we routinely collaborate with a team of experienced endocrine surgeons.

The Clinic for Gender Affirming Care is guided by Dr. Ann Danoff, the former director of the Division of Endocrinology at New York University. The clinic offers gender-affirming care for gender-diverse adults. A driving focus is educating the next generation of endocrinologists and other trainees in gender care, as well as outreach and advice to units across the institution with the goal of providing welcoming and accepting environment for all individuals. The team welcomes patient referrals from physicians across all areas of medicine. Division faculty are developing a collaborative network of relevant specialty expertise across Weill Cornell Medicine to support the whole health of gender-diverse patients.

Groundbreaking wet lab research is ongoing with the goal of generating new knowledge for the prevention, detection, and treatment of patients with endocrine diseases. Dr. Alonso’s NIH-funded laboratory is focused on identifying approaches to increase the insulin-producing capacity of the pancreatic beta cells to prevent or treat diabetes. Drs. Marcus Goncalves, Shannon Reilly, and Rohit Sharma also direct endocrine research in the Belfer Research Building. Dr. Goncalves, a physician-scientist with a tremendous career trajectory, has earned three R01 awards and a Grand Challenge grant from the UK. He studies the interface between endocrinology and cancer. Dr. Reilly studies how fat tissue works. Her work is also supported by an R01 from the NIH. Dr. Sharma is an early-career scientist studying pancreatic beta cell biology.

The Division has a growing footprint in patient-centered clinical research. Remarkably, former Chief Dr. Julianne Imperato-McGinley serves as the Principal Investigator and Program Director of Weill Cornell Medicine’s \$46 million NIH-funded Clinical and Translational Science Award



(CTSA). The CTSC supports a wide range of clinical research training and advances that extend far beyond endocrinology.

Clinical research in the Division is growing. Multiple new clinical research faculty members have been recruited: Dr. Sangeeta Kashyap, an expert in diabetes, obesity and bariatric surgery; Dr. Crystal Kamilaris, an expert in adrenal hypertension, recruited from the NIH; Dr. Yi Liu, an expert in bone biology and osteoporosis; and Dr. Sarah Schmitz, an expert in obesity. The Division is a site for the Epidemiology of Diabetes Intervention and Complications (EDIC) Trial, a continuation of the multicenter Diabetes Control and Complications Trial (DCCT), the seminal trial demonstrating the beneficial effects of intensive glucose control on long-term complications of diabetes. Ongoing quality Improvement projects include a cutting-edge application of continuous glucose monitoring technology to assist pregnant women with gestational diabetes manage their minute-to-minute blood glucose levels to ensure safety and health of both mother and child.

We are closely associated with the Joan and Sanford I. Weill Center for Metabolic Health, where Dr. Alonso also serves as Director. The Center is a collaborative hub catalyzing research advances in pursuit of solving important problems in human metabolic health such as diabetes, obesity, and other problems in metabolism. It currently has more than 40 active faculty members representing a range of biomedical expertise, including biochemistry, pharmacology, physiology and biophysics, pathology, genetics, and fundamental cell and molecular biology. The Center is also home to the Metabolic Phenotyping Center, a state-of-the-art core facility run by Dr. Lucas DeBarba. The Metabolic Phenotyping Center allows researchers to comprehensively quantify metabolic parameters in mouse models, a key step in interpreting how experimental interventions impact metabolism. Dr. Mingming Hao serves as the Center's Executive Director. Dr. Hao, recruited from a faculty position in the Department of Biochemistry at Weill Cornell Medicine, has many years of experience in diabetes research focusing on pancreatic beta-cell dysfunction. Center members currently receive >\$20M in support from the NIH, as well as numerous foundation awards.

Dr. Alonso is grateful for completing leadership training in the Hedwig van Ameringen Executive Leadership in Academic Medicine (ELAM) Program at Drexel University College of Medicine. The competitive, year-long fellowship is the only program in North America dedicated to preparing women for senior leadership roles in academic science institutions.

Endocrinology, Diabetes and Metabolism Fellowship

Aaron Schulman, M.D.
Program Director

Associate Program Directors
Felicia Mendelsohn Curanaj, M.D.
Stephanie Fish, M.D.
Richard S. Bockman, M.D., Ph.D.

The Endocrinology, Diabetes and Metabolism fellowship is a joint program with NewYork-Presbyterian/Weill Cornell Medicine, Memorial Sloan Kettering Cancer Center, and the Hospital for Special Surgery. It is a two-year training program accredited by the Accreditation Council for Graduate Medical Education. This subspecialty fellowship training program is designed to provide the education and experience necessary to acquire not only the clinical competencies critical to becoming an expert in this field, but also mentoring towards a basic or clinical endocrine research career in academia.

Obesity Medicine Fellowship

Sarah Barenbaum, M.D.
Beverly Tchang, M.D.
Program Co-Directors

Mohini Aras, M.D.
Louis J. Aronne, M.D.
Associate Program Directors

Alpana Shukla, M.D.
Research Director

Gastroenterology and Hepatology



Robert S. Brown, Jr., M.D., M.P.H.

Chief, Division of Gastroenterology and Hepatology

Vincent Astor Distinguished Professor of Medicine

Attending Physician,
NewYork-Presbyterian Hospital

Since becoming Chief, Dr. Robert S. Brown, Jr., has continued to grow the Gastroenterology and Hepatology Division's excellence in patient care, scientific discovery, and education.

Clinical services are available through a wide range of gastroenterology and hepatology subspecialty faculty and programs, including hepatology, inflammatory bowel disease (IBD), endoscopic ultrasound and ERCP, motility, and gastrointestinal cancer prevention and treatment. The Division has more than doubled in size over the past five years resulting in a marked increase in clinical volume and expansion in many areas of expertise.

Patient care addresses the prevention and treatment of viral and alcohol-related hepatitis, fatty liver, obesity, gastrointestinal cancers, Barrett's esophagus, Inflammatory Bowel Disease, Irritable Bowel Syndrome, disorders of gastrointestinal motility, nutritional disorders, benign and malignant diseases of the liver, pancreas and biliary tree, *C. difficile* infection, and the entire spectrum of gastrointestinal and liver diseases. Our highly recognized clinical institutions include the Center for Liver Disease and Transplantation, the Jill Roberts Center for Inflammatory Bowel Disease, and the Jay Monahan Center for Gastrointestinal Health. Our world-class Center for the Study of Hepatitis C is the only comprehensive, multidisciplinary center for the study of Hepatitis C and hepatic disease in the tri-state area. The Center conducts basic translational and clinical research that led to a cure for Hepatitis C. The Roberts Center for Inflammatory Bowel Disease specializes in the medical treatment and research of ulcerative colitis and Crohn's disease with a focus on patient education and support. The Jay Monahan Center for Gastrointestinal Health, named in memory of Jay Monahan, the late husband of esteemed journalist Katie Couric, provides a multidisciplinary approach for prevention, treatment, research and patient education in all GI cancers, including cancers of the colon, pancreas, esophagus and stomach. Most recently, our Center for Liver Disease and Transplantation operates in collaboration with the Department of Surgery, performing comprehensive care to patients with a range of liver diseases, with services including liver surgery and transplantation.

Notably, the liver transplant program, a pioneer in laparoscopic living liver donation, has one of the best outcomes and largest volumes in the region. In leading the division, Dr. Brown has worked with Dr. David E. Cohen, the division's previous Chief, to double the size of its clinical and research faculty. He has also led our expansion into the David H. Koch Center. Dr. Brown currently chairs the Department of Medicine's Promotions and Appointment Review Committee.

Numerous research projects and clinical trials are underway. Dr. Brown continues to direct a robust liver transplant program and is leading a multicenter National Institutes of Health (NIH) U01 consortium to study liver cirrhosis. The Center for Liver Disease and Transplantation combines the liver transplantation and general hepatology programs within the Division, as well as the Department of Surgery's Liver Transplantation, Hepatobiliary and Pancreatic Surgery program. This interdepartmental program has laid the foundation for a comprehensive hepatology program at Weill Cornell Medicine with clinical trials in Hepatitis B and C, fatty liver disease, primary biliary cholangitis, primary sclerosing cholangitis, and alcohol-induced hepatitis. Dr. Brown (in collaboration with Dr. Benjamin Samstein, Chief of the Department of Surgery's Liver Transplantation, Hepatobiliary and Pancreatic Surgery program), received United Network for Organ Sharing approval of a program to promote living donor exchanges in liver transplant program, thus expanding access to life-saving liver transplants for those in need.

Dr. Reem Sharaiha serves as Director of Endoscopy. Dr. Felice Schnoll-Sussman is Director of the Jay Monahan Center for Gastrointestinal Health, which offers a wide breadth of expertise including endoscopic ultrasound, capsule endoscopy, colorectal cancer genetics, colon cancer prevention, endoscopic treatment of Barrett's esophagus, and esophageal motility. This advanced endoscopy group offers endoscopic suturing, confocal endomicroscopy for early detection of GI cancers, photodynamic therapy and radiofrequency ablation for pancreatico-biliary cancers, endoscopic drainage of pseudocysts, endoscopic necrosectomy and EUS-guided ERCP, and POEM (treatment of esophageal achalasia). Dr. Schnoll-Sussman is also Associate Chief of Medicine, Network and Outreach NewYork-Presbyterian Brooklyn Methodist Hospital and Director of Outreach in the Department. Dr. Sonal Kumar is Director of a multidisciplinary fatty liver disease and weight management clinic of the Innovative Center for Health and Nutrition in Gastroenterology (ICHANGE). Dr. Tibor Krisko succeeded Robert Burakoff, who recently retired after a long, illustrious career, as the Site Chief for the Division of Gastroenterology and Hepatology at NewYork-Presbyterian Hospital, Lower Manhattan Hospital and Weill Cornell Medicine.

Dr. Randy Longman is Director of the Jill Roberts Center for Inflammatory Bowel Disease, which provides state-of-the-art patient care for IBD patients at the David H. Koch Center. This Center has enabled the Division to recruit multiple new faculty members who are experts in all facets of IBD care. The Center

closely collaborates with the Jill Roberts Institute for Research in Inflammatory Bowel Disease, which encompasses world-renowned multidisciplinary laboratories focused on translating scientific discoveries into new preventative, therapeutic and curative treatment strategies for IBD and other gastrointestinal disorders. The close collaboration between researchers at the Roberts Institute (led by Director, Dr. David Artis) and clinicians at the Jill Roberts Center includes a live cell biorepository of patient derived samples to accelerate translational research and is enabling a trend towards more personalized treatment for IBD. The Jill Roberts Center is active in research studies focused on moderate to severely active Crohn's Disease and ulcerative colitis, as well as disease activity, eating patterns and overall health maintenance in patients with IBD. Further, the Division works closely with the newly created Friedman Center for Nutrition & Inflammation, also led by Dr. Artis, which studies interactions between diet, nutrition, gut microbiota and the immune system to ultimately develop novel therapies that fight infections, chronic inflammatory diseases, and cancer.

The 2022-2023 academic year was notable for funding, honors and awards, and key scientific discoveries. We received eight new R01 or R01-equivalent awards from the National Institutes of Health. A \$1.9 million grant from the Helmsley Charitable Trust was awarded to Dr. Iliyan D. Iliev, who is collaborating with Drs. Randy Longman and Ellen Scherl to study the role and therapeutic potential of targeting specific fungi in IBD. We continue to pioneer groundbreaking research in gastroenterology and hepatology, with an astounding eight primary publications appearing in top-tier journals including *Nature* and *Cell* in the past calendar year alone. Dr. Iliev discovered how distinct communities of fungi colonize tumors and shape outcomes; Dr. Artis mechanistically defined how diet, enteric neurons, and key immune cells shape chronic inflammatory diseases; and Dr. Gregory F. Sonnenberg determined how the immune system remains tolerant to normally beneficial microbiota that colonize the intestine and the molecular determinants enforcing this tolerance. Dr. Chun-Jun Guo identified a new pipeline to

study and manipulate gut bacteria, and Dr. Robert E. Schwartz elucidated how tumors shape key liver functions that impact cancer.

In recognition of this stellar research productivity, Dr. Iliev was named the 2022 recipient of a Young Investigator Award from the Society of Mucosal Immunology. Dr. Gregory Sonnenberg received the 2023 American Association of Immunology BD Biosciences Investigator Award. Dr. Julie Blander was named the 2022 Outstanding Scientific Achievement Award, presented by the European Macrophage and Dendritic Cell Society. Finally, Dr. David Artis received the 2022 BioLegend William E. Paul Award from the International Cytokine & Interferon Society.

Gastroenterology and Hepatology Fellowship

Carl Crawford, M.D.
Program Director

A three-year program that focuses on specialized rotations and research, including opportunities to participate in clinical research (e.g., hepatology, inflammatory bowel disease, cancer screening, endoscopic ultrasound, the microbiota of the GI tract, endoscopic imaging techniques). An NIH T32 training grant provides support for two postdoctoral fellows to pursue basic or clinical research for two years (led by Dr. Randy Longman). This has provided support for master's degree training for clinical researchers and salary support and protected time for bench researchers. The fellowship program has been expanded to four fellows per year to allow more protected time for research and increase the breadth of their clinical experience with more elective time. We continue to recruit top candidates nationally and our fellows are pursuing academic careers in hepatology, advanced endoscopy, IBD, motility, and other disciplines within gastroenterology upon graduation. Fourth-year advanced fellowships have been added in transplant hepatology, obesity, and IBD to the existing advanced endoscopy fellowship.



General Internal Medicine



Monika Safford, M.D.

Chief, Division of Internal Medicine

John J. Kuiper Professor of Medicine

Professor of Medicine

Attending Physician, NewYork-Presbyterian Hospital

The Division of General Internal Medicine is home to Adult Internal Medicine (AIM), Hospital Medicine, Research, and the Integrative Health program. The Division includes more than 300 employed and voluntary faculty and 70 staff. The Division's tripartite mission is focused on providing state-of-the-art patient-centered care through evidence-based practice; educating the next generation of Internal Medicine physicians; and generating new evidence to optimize the overall health and wellbeing of patients and communities through collaborative research.

Dr. Monika Safford, Division Chief, is an expert in cardiometabolic epidemiology and prevention, health disparities, and real-world trials of pragmatic interventions. She is the author of more than 600 peer-reviewed publications, receives ongoing funding from National Institutes of Health (NIH) and other sources, and has a passion for mentoring junior faculty. She leads the Section of Research and the Division's T32 Cornell-Hunter Health Equity Research Fellowship Program. Dr. Safford is the founding co-director of the university-wide Cornell Center for Health Equity (CCHQ). Dr. Safford is also the creator of the Patient Activated Learning System, a novel patient education platform developed in collaboration with division and other college faculty members to overcome low health literacy.

Dr. Judy Tung is the Division's Section Chief of Adult Internal Medicine (AIM) and Associate Dean for Faculty Development. The AIM program includes over 40 faculty members who provide high-quality, comprehensive primary care for patients representing a cross section of the ethnic, cultural, and economic diversity that is New York City. The program integrates faculty and trainee practices at locations including NewYork-Presbyterian/Weill Cornell Medical Center, NewYork-Presbyterian Lower Manhattan Hospital, and NewYork-Presbyterian Queens Hospital. Services include preventive care, treatment of acute and chronic illness, and coordination of care for those with

medical complexity. Patients are seen in all AIM practices regardless of insurance type. This Section is the primary hub for general medicine ambulatory education for the Internal Medicine Residency Training Program.

Dr. Margaret McNairy is the Division's interim Section Chief of Hospital Medicine (HM). The HM program includes 83 faculty members from around the country. All faculty are board certified in Internal Medicine and many have additional training and subspecialty expertise (e.g., infectious disease, emergency medicine, nephrology, critical care, medical informatics, pain management, quality improvement and clinical research). On any given day, the faculty provides care for over 200 inpatients at both NewYork-Presbyterian Hospital/Weill Cornell Medical Center and NewYork-Presbyterian Lower Manhattan Hospital. HM faculty teach our Internal Medicine residents and run the medicine consult service, staff the medicine-orthopedics trauma service, and oversee the medical Physician Assistants Service.

The Integrative Health and Wellbeing Program, led by Dr. Chiti Parikh, provides clinical services at the David H. Koch Center. Patients receive a whole-person approach to medical care, including comprehensive evaluation and services such as acupuncture, massage therapy, nutrition counseling, yoga, mindfulness coaching, and meditation instruction. The program sponsors a two-year Integrative Medicine Clinical Fellowship that offers comprehensive education and hands-on experience in the field of Integrative Medicine.

The Research Group is led by Dr. Safford and Associate Director for Research Dr. Lisa Kern. An overarching theme of the Division's research program centers on improving health outcomes in vulnerable populations, especially historically marginalized and economically disadvantaged people. Funded programs include cardiovascular and cancer clinical epidemiology and population health, implementation science, behavioral intervention trials, and whole-person care for patients with advanced chronic illness. Faculty are funded by the National Institutes of Health, Patient-Centered Outcomes Research Institute, Commonwealth Fund, Robert Wood Johnson Foundation, American Heart Association, and private sponsors. Projects include disparities in access to treatment for Hepatitis C (Dr. Martin Shapiro); disparities in cardiometabolic disease outcomes and interventions to overcome them (Dr. Monika Safford); fragmented ambulatory care (Dr. Lisa Kern); cardiovascular epidemiology in Haiti (Dr. Margaret McNairy); community-engaged research to eliminate health disparities in Brooklyn (Dr. Erica Phillips); peer support to improve health outcomes

General Internal Medicine

in arthritis (Dr. Iris Navarro-Millán); deprescribing in adults with heart failure with preserved ejection fraction (HFpEF) (Dr. Parag Goyal); leveraging home health care workers to improve heart failure care and the care of adults with other chronic conditions (Dr. Madeline Sterling); cancer disparities (Dr. Laura Pinheiro); clinical decision-making (Dr. Justin Choi); disparities in health related to climate change-induced disasters (Dr. Arnab Ghosh); online interventions to combat vaccine hesitancy and misinformation in minority communities (Dr. David Scales); health outcomes in Syrian women displaced in Lebanon (Dr. Sasha Fahme); and social influences on obesogenic behaviors in Latino men (Dr. Christopher Gonzalez).

The Division houses several training programs. The Cornell-Hunter Health Equity Research Fellowship is in part funded by a HRSA T32; this program trains clinicians and PhDs for careers in health equity research. This fellowship is co-directed by Drs. Safford and McNairy and provides trainees the skills to design and conduct patient-centered health systems, and global health research. By the end of the program, they are prepared to pursue NIH K award submissions. Training includes one-on-one faculty mentorship and master's programs for clinicians without prior research training. Dr. Todd Cutler is the Associate Program Director of the Internal Medicine Training Program, which trains Internal Medicine Residents. The Point of Care Ultrasound (POCUS) Fellowship is a clinical training program led by Drs. Tanping Wong and Gregory Mints. It provides overall proficiency in basic and advanced POCUS, instruction leading to national certification, and participation in POCUS research with the goal to present results at national meetings. Faculty have taught POCUS at the American College of Physicians and the Society of Hospital Medicine (HM). They are involved in developing policy around HM-POCUS sponsored by the Society of HM. Dr. Jennifer Inhae Lee leads the Quality Improvement (QI) Academy; competitively selected fellows learn principles of QI over a year-long program that culminates in an annual Symposium. The program is co-sponsored by the Weill Cornell Medicine Physicians Organization and NewYork-Presbyterian Department of Nursing and showcases quality and safety projects from all departments across NewYork-Presbyterian/Weill Cornell Medical Center, NewYork-Presbyterian Lower Manhattan Hospital, NewYork-Presbyterian Queens Hospital and NewYork-Presbyterian Brooklyn Methodist.

The Division also houses several career development programs. Dr. Tung leads the college-wide year-long faculty development program Leadership in Academic



Medicine Program (LAMP). In 2022, we launched the Diversity Leadership Fellowship, led by Drs. Iris Navarro-Millan and Sean Pickering, dedicated to supporting underrepresented minority faculty who wish to pursue leadership roles in academic medicine. We also launched the Group Peer Mentoring program, co-led by Drs. Kimberly Bloom-Feshbach and Swana Di Gijssel. This program serves as an important resource for Weill Cornell Medicine faculty interested in career advancement, physician vitality, personal development, and professional wellness.

The Division of General Internal Medicine includes leaders of the Cornell Center for Health Equity (CCHEq), a center that advances health equity by generating and sharing new knowledge; training outstanding investigators, with an emphasis on people from underrepresented groups; educating students, trainees, faculty, and communities; engaging with diverse communities in this work; and applying knowledge to maximize its impact on practice and policy. It is led by founder Dr. Safford for Weill Cornell Medicine and Drs. Jeff Niederdeppe and Jamila Michener for Cornell University. The Community Engagement Core is led by Dr. Erica Phillips and Adam Hughes of the Cornell Cooperative Extension (CU). The Investigator Development Core of the CCHEq is led by Drs. Will Schpero (Weill Cornell Medicine) and Rana Zadeh (Cornell University) and has awarded competitive pilot grants for the past four years. The Center held its annual symposium in New York City on October 20-21, 2022 with the theme of “Healthy People 2030: Shifting Power to Communities.” The keynote address was delivered by Dr. Tyson H. Brown of Duke University and the Director of Duke’s Center on Health and Society. The CCHEq serves as an incubator for innovations and extramurally funded grants in community-partnered research to overcome health inequities in the US and abroad. Dr. Phillips serves as Multiple Principal Investigator for a large NIMHD-funded P50 Center grant in collaboration with Columbia University and the Physician Affiliate Group of New York. Center members Drs. Safford and Kern are coinvestigators. The grant focuses on achieving health equity for individuals with multiple chronic medical conditions and training the next generation of health equity researchers in community-engaged research.

The CCHEq’s Education Core is co-led by Drs. Susana Morales (Weill Cornell Medicine) and Gen Meredith (Cornell University.) Weill Cornell Medicine’s activities were funded by a HRSA Diversity Center of Excellence (DCOE) grant led by Drs. Morales and Safford. The DCOE focuses on increasing the number of underrepresented minority (URM) physicians in academic medicine. Its activities expanded pipeline programs from middle school through undergraduates; enhanced support for URM medical students and trainees; expanded faculty development for hiring and retention of URM faculty; and generated new knowledge on how to achieve health equity. The COVID-19 Community Education and Empowerment Internship for undergraduate STEM students focused on the dissemination of information about COVID-19 vaccination for diverse communities, vaccine science, and approaches

to community education. The continued activities of the Diversity Center of Excellence are supported by generous gifts from the Cielo Foundation and the Longley family.

Associate Professor of Clinical Medicine Dr. Fred Pelzman continues to serve as Medical Director of WCIMA and directs the Primary Care Innovations (PCI) Program, a college-wide initiative to increase innovation in primary care through an annual symposium and pilot grant program. The 5th Annual Primary Care and Hospital Medicine Innovations Symposium was held virtually on February 24, 2022 with a large national attendance during #ProudtobeGIM week. The program provided \$82,000 to fund five projects to faculty, residents, and students in various topics related to primary care. The PCI program is made possible through a generous donation by the Siegel family.

The Division leads several important education programs at Weill Cornell Medicine. The Ambulatory Care Clerkship, led by Drs. Brian Eiss and Emily Taylor, is a core clerkship for second or third year of medical students. Students see patients with a diverse group of academic and voluntary community-based faculty who are internists, geriatricians, pediatricians, gynecologists, urgent care physicians, dermatologists, and surgical subspecialists. Students grow their clinical skills in patient interviewing and motivational counseling, physical examination, patient presentations, and differential diagnosis and management. The third year Internal Medicine Clerkship is led by Dr. Brian Leppert and is a core clerkship for third year medical students. Faculty stem from the section of HM and garner teaching awards year after year. The fourth year Acting Internship in Internal Medicine is led by Dr. Anthony Ogedegbe, an elective clerkship that is sought after for students seeking careers in Internal Medicine.

Our faculty receive numerous internal teaching awards every year. They are also recognized nationally for their contributions in research, education, and service. Dr. Christopher Gonzalez was the 2022 recipient of the Unified Leadership Training in Diversity Award from the Society of General Internal Medicine. This award recognizes junior and mid-career faculty from underrepresented groups with proven leadership potential. Recipients of this award receive a scholarship to attend educational and networking opportunities. Dr. Morales was selected for the 2022 Physician of the Year by the National Hispanic Medical Association (NHMA). She was also awarded the 2022 Jeanne and Herbert Siegel Faculty Development Award through an endowed gift to acknowledge professional achievement and innovation.

Geriatrics and Palliative Medicine



Ronald D. Adelman, M.D.

Co-Chief, Division of Geriatrics and Palliative Care

Medical Director, Irving Sherwood Wright Center on Aging

The Emilie Roy Corey Professor in Geriatrics and Gerontology

Professor of Clinical Medicine

Attending Physician, NewYork-Presbyterian Hospital



Mark S. Lachs, M.D., M.P.H.

Co-Chief, Division of Geriatrics and Palliative Care

Director, Geriatrics, NewYork-Presbyterian Health System

The Irene F. and I. Roy Psaty Distinguished Professor of Clinical Medicine

Professor of Medicine

Attending Physician, NewYork-Presbyterian Hospital

The Division of Geriatrics and Palliative Medicine is guided by a patient-centered culture of care. By integrating high-quality clinical care, scientific research, and the teaching of geriatric and palliative medicine, the Division seeks to improve the quality of life for older adults and for patients of all ages facing chronic illness and end-of-life. The Division also supports the networks of patient families and caregivers.

Dr. Ronald D. Adelman, Emilie Roy Corey Professor of Geriatrics and Gerontology, serves as Executive Director of the Division's Center on Aging. Dr. Tessa Del Carmen, Assistant Professor of Medicine and Roland Balay Clinical Scholar, serves as its Medical Director. This practice is designed to provide superb care for geriatric patients in a state-of-the-art setting, meeting the complex needs of older adults together with the needs of their families and other caregivers. Mental health professionals, including Dr. Elaina DellaCava, Stephen Waugh, NP, Elaine Suben, LCSW, and a range of additional providers, from geriatrics nurses to nutrition specialists, complement the work of the geriatricians. The practice excels in patient satisfaction scores within the Ambulatory Care Network of NewYork-Presbyterian Hospital. Older adults admitted to the hospital are cared for by attending physicians and geriatric fellows on our geriatric consult service, as well as on the inpatient floor dedicated exclusively to Acute Care for Elders (ACE).

For homebound patients, comprehensive services are provided through the EGL House Call Program, led by Drs. Karin Ouchida and Emily Finkelstein and Megan Lam, NP. A 2022 gift from the EGL Charitable Foundation will allow for the expansion of the House Call Program to include much needed palliative in-home visits to patients.

Board-certified physicians in palliative medicine, along with an interdisciplinary team of nurse practitioners, social workers, and chaplains see adults of all ages in the inpatient and outpatient settings. Dr. Milagros Silva, Assistant Professor of Medicine and Silbermann Family Clinical Scholar in Geriatric Palliative Care, is Medical Director of the outpatient palliative care team. This team works closely with Weill Cornell

oncologists and other divisions to address pain and other symptom management and wellness needs. Outpatient reach includes a focus on patients who require the use of interpreters to make medical decisions.

The National Institute on Aging of the National Institutes of Health was awarded a prestigious R61/R33 grant to develop screening tools and interventions in primary care for addressing elder neglect among patients with Alzheimer's and other types of dementia. This research effort is being led by Division Co-Chief Dr. Mark Lachs and Dr. Tony Rosen. They will partner with Dr. Karl Pillemer, Professor of Gerontology and the Hazel E. Reed Professor in the Department of Psychology, and Dr. Sara Czaja, Gladys and Roland Harriman Professor of Medicine, at the Weill Cornell Center on Aging and Behavioral Research.

Internationally renowned for her research on behavioral interventions for older adults, aging and technology, older adults in the workplace, and family caregiving, Dr. Czaja has received ongoing funding from the National Institutes of Health (NIH) since 1995, including a five-year renewal of her P01 focused on aging and technology. Her program targets a broad range of older adults and focuses on three primary research projects involving virtual reality, cognitive decline assessment tools, and digital assistant tools for healthcare tasks.

In 2022, Dr. Genie Siegler, Mason Adams Professor of Geriatric Medicine and Associate Program Director for the Internal Medicine Residency program, received a grant from the Health Resources and Services Administration (HRSA) in connection with the Special Projects of National Significance (SPNS) initiative for emerging strategies to improve health outcomes for people living with HIV.

The Cornell Center for Research on End-of-Life Care, co-directed by Dr. Holly Prigerson, Irving Sherwood Wright Professor in Geriatrics, is home to numerous NIH-funded research projects focused on factors that promote informed decision-making and the receipt of value-consistent, more humane care of patients confronting death. Evidence

derived from these studies informs the development of interventions to reduce suffering in seriously ill patients. Dr. Prigerson recently received R01 funding for her EMPOWER study: Enhancing & Mobilizing the Potential for Wellness & Emotional Resilience.

The NIA-funded Roybal Center, directed by Dr. M. Cary Reid, Irving Sherwood Wright Professor in Geriatrics, investigates pain in later life and the role of palliative care in pain and symptom relief.

Dr. Veerawat Phongtankuel, Assistant Professor of Medicine, focuses on improving the quality of life for older adults and their caregivers at the end-of-life. He is in his final year of a five-year NIA career development award (K76) to implement a technology-based intervention to improve care delivered to hospice patients and their caregivers.



The Division's faculty trains all levels of learners in geriatrics and palliative medicine. Drs. Prigerson and Reid recently received renewed funding from the NIA in support of the T32 program in Behavioral Geriatrics of which they are co-directors. This postdoctoral training grant prepares highly qualified MDs and PhDs for successful careers in aging and palliative medicine research.

Additional new faculty joining the Division include Dr. Jemella Raymore, Assistant Professor of Clinical Medicine, and Dr. Robert Rotman, Assistant Professor of Clinical Medicine, who have joined the Palliative Care teams at NewYork-Presbyterian/Weill Cornell Medical Center and NewYork-Presbyterian Lower Manhattan Hospital, respectively, and recent graduate of our geriatric fellowship, Dr. Emily Coskun, Assistant Professor of Clinical Medicine.

Geriatrics and Palliative Medicine Fellowships

The Division houses three fellowship programs that include numerous rotations, teaching opportunities, and a variety of quality improvement and clinical research initiatives. The long-term care component of the Geriatric Medicine Fellowship, housed jointly with Columbia University Medical College, includes learning opportunities at CalvaryCare® at the Dawn Green Hospice, housed at Mary Manning Walsh Nursing Home.

We are also proud of a new, integrated two-year combined fellowship, which combines the core competency requirements of the existing Geriatrics and Palliative Medicine Fellowship to include an additional five months of scholarly activity and professional development. Our fellowship programs are led by Drs. Karin Ouchida and Emily Fessler. Dr. Navendra Singh serves as Associate Program Director for the Bi-Campus Hospice and Palliative Medicine Fellowship. Philanthropic support has made it possible for the Division to help defray some of the cost of outstanding student loan debt for our fellows.

In addition, the Division hosts the Geriatrics and Palliative Scholarship (GPS) summer program, co-directed by Dr. Phongtankuel and Dr. Amy Shaw, Joachim Silbermann Family Clinical Scholar. In this program, selected rising second-year medical students are immersed in clinical and didactic activities to deepen their understanding of the aging population. The student scholars also conduct research with a universal focus on aging, culminating their research with presentations to the Weill Cornell community and at the American Geriatrics Society's Annual Scientific Meeting. Dr. Cynthia Lien, Assistant Professor of Clinical Medicine, takes on the role of Director of the Longitudinal Educational Experience Advancing Patient Partnerships (LEAP), a required program for all Weill Cornell medical students.

Geriatrics Fellowship

Karin Ouchida, M.D.
Program Director

Emily Fessler, M.D.
Associate Program Director

Hospice and Palliative Medicine Fellowship

Navendra Singh, M.D., M.P.H.
Weill Cornell Site Director

Hematology and Medical Oncology



Manuel Hidalgo, M.D.

Chief, Division of Hematology and Medical Oncology

Walter B. Wriston Professor of Pancreatic Cancer Research

Professor of Medicine

Attending Physician, NewYork-Presbyterian Hospital

The Division of Hematology and Medical Oncology continues to expand under the leadership of Chief Dr. Manuel Hidalgo, with 96 full-time faculty members dedicated to world-class patient care, scientific research, and teaching. Within the Division, the clinical services are comprised of Solid Tumor Oncology, Leukemia, Lymphoma, Myeloma, Stem Cell Transplant & Cellular Therapies, and Non-Malignant Hematology. The primary sites of operation are locations within NewYork-Presbyterian Hospital (NYP) Main Campus, Weill Greenberg Ambulatory Care Building, David H. Koch Center, 425 East 61st Street, and NewYork-Presbyterian/Lower Manhattan Hospital. Faculty practices continue to expand and grow at two additional network sites: NewYork-Presbyterian Brooklyn Methodist Hospital and NewYork-Presbyterian Queens Hospital. The Division continues to advance the integration of cancer programs in Brooklyn and Queens. The Cancer Program at NYP/Weill Cornell Medical Center and NYP/Columbia Medical Center ranked 12th in the country for cancer care in *U.S. News and World Report (2022-2023)*.

The Division maintains a central role in the growth of the Sandra and Edward Meyer Cancer Center. In 2022, Dr. Jedd Wolchok, an internationally acclaimed physician-scientist and melanoma expert whose innovations have revolutionized melanoma treatment, was recruited as the Meyer Director of the Meyer Cancer Center. Dr. Wolchok directs an expansive, multidisciplinary research and clinical enterprise dedicated to translating groundbreaking discoveries and therapies to improve patient outcomes. Dr. Wolchok also leads continued efforts to further enhance care for patients in Brooklyn and Queens.

The Division's clinical research programs enrolled 355 people in approximately 101 interventional studies across the sphere. More than \$10.5 million in new funding for cancer and blood disease research was received in 2022. This resulted in 49 new research projects for a total of 103 active projects.

Under Dr. Evi Giannakakou's leadership, the Division has a major emphasis on translational research. The National Cancer Institute (NCI)-funded T32 Postdoctoral Training Program on Molecular and Translational Oncology Research (MTOR),

co-led by Dr. Giannakakou, offers a unique training opportunity for early career scientists interested in translational cancer research. Laboratory-based faculty are involved in the translational components of numerous clinical trials, working with clinical researchers and using cutting-edge technology to address oncologic questions that impact patient care and outcomes.

The Weill Cornell Solid Tumor Program continued to thrive under Dr. Manish Shah's leadership. Dr. Massimo Cristofanilli, Director of Breast Medical Oncology, further developed the breast cancer program. Under his leadership, the Breast Center continues to deliver advanced treatment and comprehensive care for patients with all stages of breast cancer. Additionally, the Breast Center's survivorship and young women's programs continue to grow. The Gastrointestinal (GI) Oncology Program, led by Dr. Shah, continues to offer innovative clinical trials and multidisciplinary therapeutic options that advance care across the spectrum of gastric, esophageal, pancreatic, colorectal, liver, and other rare gastrointestinal cancers. Dr. Pashtoon Kasi, in the GI Oncology Program, is leading the colorectal cancer efforts with substantial expansion in multidisciplinary activity and innovative clinical trials. The Genitourinary (GU) Oncology Program, led by Dr. Scott Tagawa, continues to expand its clinical research portfolio and build on niche expertise in prostate specific membrane antigen (PSMA) targeted therapies.

The Thoracic Oncology Program employs immunotherapies, targeted therapies, and other biological agents to treat lung cancer and bring better outcomes to patients. The multidisciplinary Head, Neck and Endocrine Oncology Program unites diverse specialty cancer care and research expertise in partnership with the Department of Otolaryngology (ENT), Head and Neck Surgery and Oral and Maxillofacial Surgery and Dentistry. Dr. Anna Pavlick, Director of the Melanoma and Cutaneous Oncology Program, continues to expand our clinical and research expertise across a wide array of skin cancers and cutaneous malignancies.

The Richard T. Silver, M.D. Center for Myeloproliferative Neoplasms (MPN), led by Scientific Director Dr. Joseph Scandura, has novel research underway on neoplastic myeloid biology. The center has a clinical informatics platform, biorepository and web presence, and provides coordinated care for patients with MPNs and related non-hematologic complications. The Weill Cornell Clinical and Translational Leukemia Program, led by Dr. Gail Roboz, offers a variety of novel investigator-initiated, cooperative group, and industry-sponsored clinical trials on acute leukemia and myelodysplastic syndrome (MDS). The clinical care team runs one of the largest inpatient leukemia services in the

country. Under the leadership of Dr. Ruben Niesvizky, the Myeloma Center continues to make an impact in the field in drug development, clinical trials, biology scholarship, and translational research.

In 2022, the Bone Marrow and Stem Cell Transplant (BMT) and Cellular Therapy Program, then-led by Dr. Tsiporah Shore, performed 205 cellular therapy procedures, 129 autologous and allogeneic transplants, and 76 additional infusions of multiple cell types, including 52 immunotherapies such as CAR-T cells. The National Marrow Donor Program (NMDP), which oversees the largest public dataset related to bone marrow and stem cell transplantation, determined that out of the 50 largest centers in the U.S., the BMT Program continues to take on the most complex and challenging patients in the country with excellent outcomes. The program is particularly proud of novel research initiatives, including being the highest enrolling center in the nation for the ORCA protocol, an exciting new method to transplant patients with acute leukemia, as well as being a referral center for New York City-based centers for a new research therapy for chronic graft versus host disease. Our center is also honored to have been chosen as a key site for the new protocol organized by the National Marrow Donor Program/Center for International Blood and Marrow Transplant Research to study the detection of minimal residual disease pre-and post-transplant to develop new methods to contribute to the care of acute myeloid leukemia patients.

Dr. Peter Martin leads the Lymphoma Program, which continues to grow strategically; researchers are advancing high-impact clinical trials that provide therapy for various disease subtypes. The Non-Malignant Hematology Service and Center for Blood Disorders, led by Drs. Maria De Sancho and Raymond Pastore, delivers state-of-the-art treatments for people with all types of blood disorders. Drs. Monica Guzman, Gail Roboz and team published an influential paper in *Nature Communications* showing in preclinical models that genetically engineered CAR T immune cells can successfully target the leukemia stem cells that may be responsible for relapse of acute myeloid leukemia (AML) by binding to the CD123 cell marker.

Dr. Ari Melnick and team published a critical finding in *Cancer Discovery* that found that having a mutation in one of the two copies of SETD2 in B cells can lead to a proliferation of cells that don't readily repair their mutated DNA, causing an aggressive type of cancer called diffuse large B cell lymphoma (DLBCL).

Dr. Bishoy Faltas published key findings in *Cancer Research*, on the role of the enzyme called APOBEC3G in bladder cancer, showing that it significantly increased the number of mutations in tumor cells, boosting the genetic diversity of bladder tumors and hastening mortality.

Dr. Dan Landau and team published key findings in *Nature Genetics* illuminating that a stem cell mutation known as *DNMT3A* R882 leads to the growth of a large population, or clonal outgrowth of circulating blood cells.

Dr. Leandro Cerchietti and colleagues published a discovery in *Blood* that found that endothelial cells, the cells lining the blood vessels, can protect T-cell acute lymphoblastic leukemia (T-ALL) cells from chemotherapy drugs that would otherwise kill the cancer cells.

Additionally, in 2022, many faculty members were the recipients of prestigious awards and grants, including:

- Dr. Dan Landau, Associate Professor of Medicine, recipient of the Emerging Leader Award from The Mark Foundation, which supports his development of novel technology to study clonal mosaicism in normal tissues.
- Dr. Bishoy Faltas, the Gellert Family-John P. Leonard, MD, Research Scholar and Assistant Professor of Medicine and Cell and Developmental Biology, received the Young Physician-Scientist Award from the American Society for Clinical Investigation.
- Dr. David Nanus is collaborating on a \$1 million, three-year grant from the Department of Defense's Kidney Cancer Research Program to fund research on the role of the protein ATF4 in clear cell renal cell carcinoma (ccRCC), a form of kidney cancer.
- Drs. Uqba Khan, Despina Siolas and Barbara Ma were accepted into the 2022 Leadership in Academic Medicine Program (LAMP) at Weill Cornell Medicine.

In addition to major recruit Dr. Jedd Wolchok, 2022 saw the recruitment of Drs. Daniel Choi, Michal Bar-Natan, Alana Nguyen, Brandon Swed, and Massimo Cristofanilli.

Hematology and Medical Oncology Fellowship

Christine Garcia, M.D., Program Director
Adrienne Phillips, M.D., Associate Program Director

The Hematology and Medical Oncology Fellowship is a three-year program comprised of rotations through inpatient and outpatient clinical subspecialty services, as well as supervised basic, translational, and clinical research. The fellowship program matches and enrolls five to six new ACGME fellows annually. Our 2022 award and honor recipients included three ASCO Young Investigator Awards (Drs. Bobak Parang, Dan Helbig, Mateo Mejia Saldarriaga), the Lymphoma Research Foundation Award (Dr. Sam Yamshon) and the American Society for Stem Cell Transplant and Cellular Therapy Clinical Research Training Recipient Award (Dr. Mohammad Alhomoud), among others.

In 2022, Dr. Christine Garcia succeeded Dr. Ron Scheff as Hematology and Oncology Fellowship Program Director. We thank Dr. Scheff for his distinguished 17-year service in the position.

Infectious Diseases



Roy M. Gulick, M.D., M.P.H.
Chief, Division of Infectious Diseases
Rochelle Belfer Professor in Medicine
Professor of Medicine
Attending Physician,
NewYork-Presbyterian
Hospital

The Division of Infectious Diseases provides expertise in research, clinical care, education and training. Internationally recognized physician-scientists conduct cutting-edge laboratory, translational, clinical, epidemiologic, and outcomes research in infectious diseases in New York City and abroad. Research in the Division investigates bacterial infections, including multidrug-resistant organisms; fungal infections; Hepatitis B and C; HIV/AIDS; hospital-acquired infections; human papillomavirus (HPV); parasitic infections (Babesia, malaria, schistosomiasis); transplant/oncology infectious diseases; tuberculosis; other viral infections (adenovirus, endogenous retroviruses, influenza, parainfluenza, rhinovirus); and, more recently, SARS-CoV-2/COVID-19 and MPOX. Additionally, the Division provides both inpatient and outpatient infectious diseases clinical consultations. Dr. Ole Vielemeyer (Clinical Director), along with a roster of highly experienced infectious diseases physicians, provide care and advice for a broad range of infectious diseases and international travel issues.

The Division's programs in laboratory, translational, and clinical research, remain robust. The Jones Lab (Director: Dr. Brad Jones; investigators Drs. Ali Danesh, Andrea Grammatica, Guinevere Lee) conducts breakthrough laboratory research on HIV/AIDS and Dr. Jones leads an National Institutes of Health (NIH)-funded \$28.5 million grant called REACH: Research Enterprise to Advance a Cure for HIV to ultimately find a cure. The Ndhlovu Lab (PI: Dr. Lishomwa Ndhlovu; investigators Drs. Michael Corley and Teresa Evering) investigates neurologic complications of HIV infection. The Nixon Lab (PI: Dr. Douglas Nixon; investigators Drs. Matthew Bendall, Robert Furler) investigates endogenous retroviruses that may contribute to a number of other illnesses, including Alzheimer's disease.

The Golightly Lab (Director: Dr. Linnie Golightly) studies the pathogenesis of cerebral malaria. The Kirkman Lab (Director: Dr. Laura Kirkman) studies drug-resistance mechanisms in malaria and Babesia, a parasite transmitted by ticks in the northeast U.S. The Petraitis Lab (Director: Dr. Vidmantas Petraitis; investigator Dr. Ruta Petraitiene) studies pharmacokinetics and pharmacodynamics of antimicrobial agents against multi-drug resistant bacteria and fungal pathogens. The Rhee Lab (Director: Dr. Kyu Rhee; investigators Drs. Chris Brown, Travis Hartman, and Kohta Saito) continues its highly innovative work on Mycobacterium tuberculosis (MTb) using novel mass spectrometry-based metabolomic approaches.

The HIV Clinical Trials Unit, led by Director Dr. Marshall Glesby and Co-Director Dr. Kristen Marks, conducts clinical research in the treatment and prevention of HIV infection and its complications, the treatment and prevention of viral hepatitis, the assessment and treatment of human papillomavirus (HPV) infection and most recently, the assessment, treatment, and prevention of MPOX. Dr. Gulick and colleagues received a renewal from the NIH/NIAID in support of their HIV Clinical Trials Unit (CTU) grant in the amount of \$18.9 million through 2027. This is funding studies sponsored by the national AIDS Clinical Trials Group and HIV Prevention Trials Network. Dr. Wilkin is the Principal Investigator on a \$8.3 million grant from the National Cancer Institute for HPV Clinical Trials that is funding critical studies on HPV-related cancers in people living with HIV and will include clinical trials focused on two forms of cancer – oropharyngeal and cervical.

The Transplant/Oncology Infectious Diseases Clinical Research Unit (Director: Dr. Catherine Small, with co-investigators Drs. Alex Drelick, David Helfgott,



Priya Kodiyanplakkal, Matt McCarthy, Markus Plate, Michael Satlin, and Rosemary Soave) conduct cutting-edge clinical research in patients who have undergone organ transplantation or have cancer and develop infections. Both clinical research units (CRU & CTU) also recently studied new agents for COVID-19 treatment and prevention.

An NIH-sponsored T32 training grant, “Research Training in Infectious Diseases” (PI: Dr. Gulick), continues to support training of developing infectious diseases physician-scientists and academic clinicians. This grant supports infectious diseases fellows in training to conduct basic, translational, clinical, and epidemiologic research projects. Recent fellows study a wide variety of areas in infectious diseases, including drug-resistant bacterial infections, HIV monoclonal antibodies, MPOX infection, schistosomiasis (a parasitic disease), racial/ethnic disparities, and transplant-oncology infectious diseases, among others.

This year saw exciting new advances in infectious diseases research. Drs. Michael Corley and Lish Ndhlovu successfully competed for an NIH \$11.6 million grant to elucidate brain cell changes during exposure to HIV and cannabinoids. In the area of HIV cure, Dr. Brad Jones successfully competed for an NIH \$4 million grant to study the susceptibility of HIV reservoirs to lymphocyte responses. Dr. Timothy Wilkin successfully competed for an NIH \$3.5 million grant to advance cervical cancer prevention in women living with HIV in South Africa. Drs. Daniel Fitzgerald and Kyu Rhee were NIH funded to establish a new center for research training in tuberculosis at Weill Cornell, Memorial Sloan Kettering and Rockefeller.

In an HIV study that gained worldwide attention, Dr. Glesby, along with colleagues from the Division of Hematology and Medical Oncology (Drs. Koen Van Besien, Jingmei Hsu), led a clinical trial involving a woman of color living with HIV who developed leukemia whom they treated with a special stem cell transplant and reported she has since been free of HIV for more than a year – the fourth person to be cured of HIV. The trial involved a unique cord blood cell transplant that contained a genetic mutation that can resist HIV infection and was published in *Cell*. In exciting advances in the treatment of COVID-19, Dr. Teresa Evering led and published a large national study of monoclonal antibodies in *Annals of Internal Medicine* and Dr. Matt McCarthy led and published a large national study of immunomodulators in the *Journal of the American Medical Association (JAMA)*.

Dr. Gulick continues to serve as Co-Chair of the NIH COVID-19 Treatment Guidelines Panel. Drs. David Calfee and Matthew Simon serve as hospital epidemiologists for NewYork-Presbyterian/Weill Cornell Medical Center. Both are noted for their strong efforts in response to the COVID-19 pandemic, as well as day-to-day strategies to decrease

hospital-acquired infections in both locations. The Center for Special Studies (Directors Drs. Jon Jacobs and Samuel Merrick), the HIV primary care service, continues to provide care for over 2,500 patients with HIV and to provide HIV prevention strategies to at-risk HIV-negative individuals. At NewYork-Presbyterian Lower Manhattan Hospital, the inpatient and outpatient infectious diseases service and hospital epidemiology-infection control are led by Dr. Harjot Singh. Drs. Harold Horowitz and Sorana Segal Maurer lead the Division of Infectious Diseases at NewYork-Presbyterian Brooklyn Methodist and NewYork-Presbyterian Queens Hospital, respectively.



In 2022, we welcomed Drs. Stanley (Evan) Cooper (HIV primary care), Grace Maldarelli (microbiome research), and Khanh Pham (schistosomiasis research). Dr. Glesby was also appointed Department of Medicine Vice Chair for Mentoring and Faculty Development.

Infectious Diseases Fellowship

Matthew Simon, M.D. Program Director;
Priya Kodiyanplakkal, M.D. and Ole Vielemeyer, M.D.,
Program Co-Directors

A two- to three-year training program that includes individualized training through clinical rotations, didactic course work, mentored research, and faculty guidance to develop the next generation of infectious diseases physician-scientists and academic clinicians.

Center for Global Health

The Center for Global Health's mission is to decrease health care inequalities and improve the health of people in lower-income countries through clinical care, research, and training. The Center has 19 core faculty members, three postdoctoral fellows, and more than 50 collaborating faculty members across multiple Department of Medicine Divisions, including Cardiology, Clinical Epidemiology and Evaluative Sciences Research, General Internal Medicine, Infectious Diseases, and Pulmonary and Critical Care Medicine. The Center brings faculty together to collaboratively address issues of the resource poor. The center has long-standing programs in Brazil, Haiti, India, and Tanzania, with new initiatives in Lebanon and Uganda. Research and training programs in cardiovascular disease, women's health, and infectious diseases are supported by the National Institutes of Health (NIH), foundations, and individual donors.

This year, four women faculty members from the Center for Global Health successfully competed for National Institutes of Health (NIH) K grants. These five-year career development awards provide support to promising junior faculty members through additional research training and allows them to conduct a mentored research project. The K awards are a critical step in a successful biomedical research career.

Dr. Lindsey Reif, Assistant Professor of Medicine in the Division of Clinical Epidemiology, received a K01 award from the NIH National Heart, Lung, and Blood Institute to study early risk factors for cardiovascular disease (CVD) in adolescents and young adults in Haiti. She will also learn "implementation science" methodology to develop and pilot test an intervention to decrease risk of CVD in young people. Cardiovascular disease is now the leading cause of death in Haiti and many lower income countries surpassing HIV and infectious diseases. Dr. Reif received her doctorate in Public Health (Dr.PH) from Columbia University. She is mentored by Dr. Molly McNairy, interim Chief of the Section of Hospital Medicine and Associate Professor in the Division of General Internal Medicine, and Dr. Jean Pape, Professor of Medicine in the Division of Infectious Diseases.

Dr. Sasha Fahme received a K01 from the NIH Fogarty International Center to pilot and evaluate an evidence-based intervention to improve gynecologic care for Syrian refugee women in Lebanon by using a mobile clinic. The Syrian refugee crisis has been described by the United Nations as the worst humanitarian crisis of the current century.

Dr. Fahme received her M.D. from Columbia University and finished a General Internal Medicine fellowship focused on global health in 2019. She is also a 2022 recipient of the Fund for the Future Award and is now an Assistant Professor of General Internal Medicine with research focused upon improving care for refugee women. She is mentored by Dr. Jennifer Downs, an Associate Professor in the Division of Infectious Diseases.

Dr. Katey Walsh received a K23 award from the National Institute of Allergy and Infectious Diseases to study the molecular epidemiology of Dr.ug resistant tuberculosis (TB) in Haiti. Over one million people die from TB each year, predominantly in poor countries. Dr. Walsh's study will define sentinel populations for the emergence of Dr.ug resistant strains of TB so that public health officials can respond rapidly with new preventive measures. Dr. Walsh is an M.D. graduate of the University of Massachusetts, completed a General Internal Medicine fellowship at Weill Cornell Medicine, and is now an Assistant Professor in the Division of General Internal Medicine. She is mentored by Drs. Daniel Fitzgerald and Kyu Rhee in the division of Infectious Diseases; Dr. Fitzgerald is also director of the Center for Global Health.

Finally, Dr. Puja Chebrolu was recently notified that her K23 award from the National Institute of Diabetes and Digestive and Kidney Diseases will be funded. Dr. Chebrolu is studying the clinical epidemiology of gestational diabetes in pregnant women in India and its progression to post-partum type-2 diabetes. India has very high rates of gestational diabetes, which adversely affects both mother and child. Unlike the United States, where most gestational diabetes is associated with being overweight, many of the women with diabetes in India have normal or low weight and develop what is called "lean diabetes." Dr. Chebrolu's research on this condition is important for women in India and also for Southeast Asian women in the United States. Dr. Chebrolu is a graduate of the Medical College of Georgia and is now an Assistant Professor in the Division of General Internal Medicine. She is also a 2021 recipient of the Fund for the Future Award and is mentored by Dr. Jyoti Mathad, who is an Associate Professor in General Internal Medicine.

Medical Ethics



Joseph J. Fins, M.D., FACP

Chief, Division of Medical Ethics

E. William Davis, Jr., M.D.

Professor of Medical Ethics

Professor of Medicine in Psychiatry

Professor of Medical Ethics in Neurology

Professor of Medical Ethics in

Rehabilitation Medicine

Professor of Population Health Sciences

Director of Medical Ethics

and Chair, Ethics Committee

Attending Physician,

NewYork-Presbyterian Hospital

The Division of Medical Ethics pursues a tripartite mission of medical education, ethics consultation, scholarship and research. With its high case consult volumes, it is distinguished for having one of the country's most active ethics consultation services.

The NewYork-Presbyterian/Weill Cornell Medicine Ethics Committee is chaired by Dr. Fins, who provides oversight to the consultative process and guidance on policies and procedures related to medical ethics and patient rights. Dr. Barrie Huberman, a clinical psychologist and experienced leader in clinical ethics consultation, serves as Director of Clinical Ethics and provides consultative services along with Dr. Ezra Gabbay and Joan Walker, MS, RN. Dr. Gabbay also serves as Chair of NewYork-Presbyterian Lower Manhattan Hospital's Ethics Committee, while Ms. Walker serves as the Division's Administrative Director. Finally, Dr. Debjani Mukherjee, a clinical psychologist and clinical ethicist, offers deep expertise in disability ethics. The consult service is also enriched by the presence of Drs. Nekee Pandya and Laura Kolbe, and full-time Clinical Ethics Fellows.

The Division plays a key role in advancing the educational mission of Weill Cornell Medical College. Dr. Inmaculada de Melo-Martin leads the ethics curriculum on professionalism through the Essential Principles of Medicine course. Dr. Huberman is course director for Advanced Clinical Ethics, and Dr. Mukherjee leads the ethics component embedded within the Health, Illness and Disease course. Ethics content is also a rich part of Weill Cornell Medicine's residency experience, featuring case-based education.

A key collaboration of the Division is through the New York- Houston Medical Ethics Consortium, which sponsors a medical ethics fellowship program supported by Weill Cornell Medicine, Houston Methodist Hospital and Baylor College of Medicine in Houston. This outstanding program is a unique

offering in American bioethics, spanning two great medical centers and distinct regions of our country, while providing a singular experience for trainees.

Dr. de Melo-Martin continues her fruitful collaboration with the Center for Reproductive Medicine at Weill Cornell Medicine (led by Dr. Zev Rosenwaks); their work has been published in *Fertility and Sterility*. Dr. de Melo-Martin continues to pursue questions regarding genetic identity and assisted reproduction themes in her highly regarded volume, *Rethinking Reprogenetics: Enhancing Ethical Analyses of Reprogenetic Technologies* (Oxford University Press).

Dr. Mukherjee contributed to and edited a collection of essays on the "dignity of risk" in *Perspectives in Biology and Medicine*, which included contributions from Drs. Kolbe, de Melo Martin and Fins; this was also published in 2022.

On the international front, we continue synergistic collaboration with colleagues and students in Doha, Qatar through Dr. Pablo Rodriguez del Pozo, who leads the ethics curriculum at that campus. Dr. del Pozo explores cross-cultural issues and medical education. He has completed a project funded by the Qatar National Research Foundation exploring the rights of persons with disabilities aimed to inform the Qatari legal system. This multinational project involves Weill Cornell Medical College in Qatar, Qatar University, the Institute of Human Rights at Carlos III University in Madrid, and the Division, with Dr. Fins collaborating. The project will culminate with an important monograph that will have practical and theoretical impact on disability studies. Dr. Fins is the lone North American serving on the International Academic Council of the Fundación Ortega-Marañón in Madrid.

Dr. Fins continues his collaboration with Dr. Nicholas D. Schiff, Jerold B. Katz Professor of Neurology and Neuroscience, as they co-direct the Consortium for the Advanced Study of Brain Injury (CASBI) at Weill Cornell Medicine and Rockefeller University. CASBI's goal is to elucidate mechanisms of recovery, develop novel therapeutics, and advance public policy to meet the needs of these patients and families. Dr. Schiff is Principal Investigator on an NIH Brain Initiative grant on the use of Deep Brain Stimulation (DBS) in severe brain injury. Dr. Fins is a co-investigator on the project. Following upon his book, *Rights Come to Mind: Brain Injury, Ethics and the Struggle for Consciousness*

Nephrology and Hypertension

(Cambridge University Press), Dr. Fins has pioneered ethical and legal scholarship advancing the civil and disability rights of patients with severe brain injury. Dr. Fins has an R01 from the NIH BRAIN Initiative, “Cognitive Restoration: Neuroethics and Disability Rights,” to further elucidate these issues in the context of the aforementioned first-in-human DBS trial in moderate to severe brain injury. Preliminary scholarship from this effort has appeared in *The Cambridge Quarterly of Healthcare Ethics* as well as the *Boston College Law Review*.

Dr. Fins has expanded the reach of CASBI at Yale Law School, where he serves as a Visiting Professor of Law in addition to his position as the Solomon Center Distinguished Scholar in Medicine, Bioethics and the Law. His work at the interface of neuroscience, neuroethics and disability law has resulted in collaborative scholarship with Yale Law School students and faculty and numerous publications in leading law reviews. Dr. Fins is assisted in these efforts by Zachary Shapiro, M.A., J.D., who serves as an Adjunct Assistant Professor of Medical Ethics Research in Medicine.

With the support of the Weill Cornell Clinical Translational Center, Drs. Fins, Mukherjee and colleagues completed a study examining “Assistive Technology in Pediatric Brain Injury following In-patient Rehabilitation: Access, Barriers and Burdens on Patients and Families” in conjunction with the Blythedale Children’s Hospital. This effort has culminated in a publication in the *Journal of Head Trauma and Rehabilitation*.

In 2022, Dr. Mukherjee was elected a Fellow of the Hastings Center. Dr. Fins completed his first year of a two-year term as President of the International Neuroethics Society and continues to serve on the Board of Directors of the Hastings Center where he is now Board Chair-Elect. In the past year, Dr. Fins gave the *Lección Magistral de Bioética James Drane* at the Complutense University in Madrid, the John Collins Harvey Lecture at Georgetown University, and was awarded a Doctor of Humane Letters from Wesleyan University.



Manikkam Suthanthiran, M.D.

Chief, Division of Nephrology and Hypertension

Chief, Department of Transplantation Medicine, NewYork-Presbyterian

Stanton Griffis Distinguished Professor of Medicine

Professor of Medicine
Professor of Biochemistry
Professor of Medicine in Surgery

Attending Physician,
NewYork-Presbyterian Hospital

The Division of Nephrology and Hypertension is committed to a tripartite mission of patient care, research, and education. A combination of resources has ensured the division’s success, including National Institutes of Health (NIH) funding over three decades, a clinical immunogenetics laboratory, a self-supported hypertension clinical practice, and support from NewYork-Presbyterian/Weill Cornell Medical Center and philanthropy. The Division’s clinical excellence is the product of making patient care the highest priority while effectively translating bench discoveries to the bedside and applying evidence from clinical trials into compassionate clinical practice.

We provide comprehensive, state-of-the-art care to each patient afflicted with kidney disease and/or high blood pressure. We have self-organizing teams for each critical area of nephrology: transplantation medicine, dialysis, apheresis, hypertension, clinical nephrology (e.g., diabetes and metabolic renal disease), onconephrology (kidney disease in patients with malignancy), critical care nephrology, acute kidney injury and cardio-renal syndromes, nephropathology and obstetrics nephrology. Services include kidney consultations, inpatient kidney medicine, dialysis therapy, and kidney and pancreas transplantation and kidney care for liver-kidney recipients and kidney dysfunction in stem cell transplant recipients.

Our nephrologists work collaboratively with nephrologists with primary employment at The Rogosin Institute, nephrologists with primary employment at Memorial Sloan Kettering Cancer Center, and with the Weill Cornell Medicine kidney transplant surgeons in the Division of Transplantation Surgery to manage our transplant recipients with highly personalized therapies to protect the transplanted organ while helping to reduce the toxic side effects of anti-rejection drugs. Our transplant physician-scientists have made pioneering discoveries on mechanisms of action of anti-rejection drugs and have invented noninvasive molecular tests to personalize immunosuppressive drug therapy of transplant patients.

The kidney disease program has been consistently rated in the top 10 by *US News & World Report* (ranked third in 2023). It is one of the highest-ranked programs among the medical subspecialties at NewYork-Presbyterian Hospital. The kidney transplantation program at Weill Cornell Medicine is a significant contributor to NewYork-Presbyterian's transplantation program (ranked #1 in the U.S. for the last 10 years), and its translational research has been transforming care for transplant recipients. More than 200 kidney transplants are performed annually at our Center, with excellent patient and graft survival rates. The most recent adult (18+) one-year patient and graft survival rates, following living donor kidney transplantation, were 97.77% and 96.97%, respectively. The one-year patient and graft

cross-match; minimizing the amount of drugs patients need for successful transplantation; treatment protocols to reduce serious post-transplant complications (e.g., infection and malignancy); and noninvasive molecular assays for assessing transplant status and reducing the need for an invasive biopsy procedure.

The Division's Hypertension Center is one-of-a-kind in the U.S. and has discovered and implemented clinical therapies that are personalized for the individual patient. The hypertension faculty pursue innovative research (e.g., studies of pregnancy-induced hypertension, mind-body link in hypertension, personalized drug therapy for hypertension control). Internationally acclaimed, the Hypertension Consultative practice continues to



survival rates following deceased donor kidney transplantation were 97.59% and 94.22%, respectively. These exemplary outcomes are even more impressive with consideration to the center transplanting high-risk patients. (Data Source: *Scientific Registry of Transplant Recipients, Health Resources and Service Administration*).

More than 6,000 kidney transplants have been performed since the Center's inception. Several innovations in transplantation have been introduced by our transplant physicians, including: blood type (ABO) incompatible kidney transplants; kidney transplantation across a positive

thrive under the direction of Dr. Phyllis August, with complementary expertise provided by Drs. Mark S. Pecker, Samuel J. Mann, and Line Malha, as well as Rosemerie Marion, ANP.

We continue to drive breakthrough research. Dr. Manikkam Suthanthiran directs a highly productive, world-renowned research Laboratory of Immunogenetics and Transplantation. We have pioneered the development of gene expression profiling for the noninvasive diagnosis and prognostication of acute rejection in renal allografts and has contributed to several

Nephrology and Hypertension

landmark studies in organ transplantation on elucidation of the genetic signature of rejection and tolerance.

Dr. Suthanthiran's translational research has been NIH-funded continuously for 30-plus years. He is a past recipient of the prestigious NIH Merit award.

Dr. Phyllis August serves as the Site Principal Investigator (PI) on a cooperative grant from the National Heart, Lung and Blood Institute, NIH and the U.S. Department of Health and Human Services to evaluate the benefits and harms of pharmacologic treatment of mild chronic hypertension in pregnancy. Dr. Mary Choi is the recipient of multiple awards from NIH to study novel mechanisms of organ fibrosis and autophagy. Dr. Thangamani Muthukumar, in a productive collaboration with Dr. Franco Mueller, has deciphered innate immune mechanisms responsible for kidney allograft rejection. Dr. Darshana M. Dadhanian is a PI on a cooperative grant from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) to study the impact of the APOL1 gene on long-term outcomes in renal transplant recipients of a kidney from an African American donor and the impact on kidney function in African-Americans donating a kidney, and an R01 award to establish the utility of urinary cell-free DNA to detect a wide range of pathogens as well as gain insights into antibiotic resistance and host-pathogen interactions. Dr. John R. Lee is a recipient of a National Institute of Allergy and Infectious Diseases (NIAID) grant to invent and apply shotgun sequencing of urinary cell-free DNA to define the microbial, bacterial growth dynamics, tissue injury in the transplanted kidney, and the host's response to urinary tract infection (UTI). In another NIAID-funded grant, he is investigating many avenues related to the impact of gut microbiome on human health and disease. Dr. Thalia Salinas is the recipient of the prestigious CTSC KL2 Career Development Award. Dr. Suthanthiran recently executed a research collaboration agreement with CareDx, a leader in transplantation molecular diagnosis, to further develop biomolecular markers of kidney allograft status.

Dr. Mary Choi is conducting research addressing the mechanisms of kidney injury and failure. Dr. Choi's fundamental studies should not only yield key insights into mechanisms underpinning kidney injury but will also help to identify novel therapeutic targets for the prevention of progression of kidney injury manifested by fibrosis. The multifunctional cytokine transforming growth factor beta (TGF- β) is considered a major player in kidney disease and health, and Dr. Choi's seminal studies have led to the cloning and characterization of the cell surface receptors for TGF- β 1; delineation of key intracellular mediators of TGF- β signals;

and resolution of glomerular endothelial cell proliferation and differentiation. Her original contributions have resulted in an improved understanding of the molecular mechanism of tissue injury, inflammation, and fibrosis as they pertain to the pathogenesis of chronic kidney disease. Her laboratory has successfully resolved mechanisms by which TGF- β 1 elicits key cytoprotectants, such as heme oxygenase-1, and carbon monoxide and protection from oxidative stress and kidney injury via activation of autophagy. Dr. Choi and colleagues recently identified a new therapeutic target by their discovery that a receptor-interacting protein kinase-3 independently promotes kidney fibrosis. Dr. Choi's research has been supported continuously by highly competitive NIH awards and she is a PI Investigator, co-PI, and co-investigator on multiple NIH grants.

Dr. Dadhanian ensures the operation and compliance of the transplant program in accordance with the United Network for Organ Sharing (UNOS) Bylaws in collaboration with the Kidney and Pancreas Transplantation Division within the Department of Surgery at Weill Cornell Medicine. As part of an intercampus team of researchers working on a \$3.65 million NIH grant, Dr. Dadhanian and Dr. Lee, along with colleagues, are developing a method for diagnosing urinary tract infection by innovative profiling cell-free DNA. A cohort of 300 kidney transplant patients will be profiled using state-of-the-art technologies the investigators had previously developed.

Dr. Deirdre Sawinski is a clinical researcher and epidemiologist focused principally on virally mediated disease following kidney transplantation. She has contributed impactful studies on donor selection, transplant complications and immunosuppression management relevant to the clinical transplant community. She is focused on the evaluation and management of kidney transplant candidates and recipients, participates in the education of fellows, residents and medical students and conducts research on improving transplant outcomes.

The banner years of 2022-2023 have been full of honors, speakerships, and publications. Dr. Suthanthiran received the Medawar Prize from the Transplantation Society. The Medawar Prize is world's highest dedicated award for the most outstanding contributions in the field of transplantation. Dr. Phyllis August received the Belding H. Scribner Award (ASN Lifetime Achievement Awards) which honors her outstanding leadership in the field of nephrology. Dr. Dadhanian received the American Society of Transplantation's Clinical Science Investigator Award, honoring substantial contributions to the field of transplantation medicine.

Public Health Programs

Our Nephrology faculty teach the Health, Illness, and Disease (HID) Course for Weill Cornell Medicine students at both our New York City and Qatar campuses. The highly challenging HID course in Nephrology, under the inspired leadership of Dr. Muthukumar, has become one of the top-rated HID courses at Weill Cornell Medicine. The division is committed to scholarship; a daily educational conference ensures faculty and fellows practice evidence-based medicine, as well as receive CME credits. There has been a 100% pass rate for the ABIM Nephrology subspecialty, and the scholarship of our trainees and faculty is demonstrated by their presentations of original research at every national and international meeting related to nephrology and transplantation. Our full-time faculty lecture nationally and internationally and published 35 peer-reviewed articles in 2022.

Nephrology and Hypertension Fellowship

Phyllis August, M.D., M.P.H.
Program Director

Thangamani Muthukumar, M.D., M.S.
Associate Program Director

Our highly competitive two-year nephrology fellowship program is designed to provide comprehensive training in all aspects of kidney disease including acute and chronic kidney failure; end stage kidney disease; hemodialysis including home hemodialysis; peritoneal dialysis; apheresis; kidney and kidney and pancreas transplantation; hypertension; glomerulopathy; onconeurology, obstetric nephrology, kidney stones, polycystic kidney disease, and metabolic disorders including acid base and fluid and electrolyte disorders. A third and fourth year are available for additional research training. Despite almost 50% of nephrology fellowship slots not being filled across U.S. nephrology fellowship programs, our program has been highly successful in fulfilling 100% of the fellowship slots through the Nephrology Fellowship Matching Program. Dr. Muthukumar fills the vital role of Associate Program Director in recognition of his pivotal contributions to the education and training of Nephrology fellows.



Ann B. Beeder, M.D.

Chief, Division of Public Health Programs

Jeanette and Jeffrey Lasdon Associate Professor of Clinical Public Health and Psychiatry

Associate Professor of Clinical Medicine

Associate Professor of Clinical Psychiatry

Associate Attending Physician, NewYork-Presbyterian Hospital

The Division of Public Health Programs delivers integrated multidisciplinary patient care for patients with trauma and addiction through a variety of outpatient programs. The programs provide medical, psychiatric, and substance abuse treatment to patients with substance use problems, including alcohol, marijuana, nicotine, cocaine, heroin, and prescription medication. On site and virtual medical, psychiatric, trauma treatment, and social services promote and accelerate patients' progress toward recovery. Consultation services are available for expert evaluation, diagnosis, treatment, and referral for patients with substance use disorders being treated at NewYork-Presbyterian/Weill Cornell Medical Center.

Outpatient treatment locations include The Midtown Center for Treatment and Research, the Center for Trauma and Addiction, and the Vincent P. Dole Institute for Treatment and Research. The Midtown Center for Treatment and Research is an outpatient drug treatment program providing multidisciplinary alcohol and drug treatment with integrated psychiatric and social services both onsite and through telehealth. Services include outpatient suboxone detoxification and maintenance for opiate dependency (prescription pain medication and heroin), trauma treatment (EMDR and CBT), psychiatric care, a DUI program, anger management, and other services. Patients are carefully evaluated involving an individualized treatment plan, including groups, individual treatment, urine and other toxicology, as well as psychiatric evaluation and care when needed. Patients needing primary and specialty medical care have access to Weill Cornell Internal Medicine Associates (WCIMA) and NewYork-Presbyterian/Weill Cornell Medical Center for comprehensive subspecialty care (e.g., Hepatitis C, HIV, cardiology, pulmonary, and other services).

The Center for Trauma and Addiction is an outpatient psychological trauma treatment program with integrated psychiatric and social work treatment offering on-site and virtual targeted trauma psychotherapy. Services include

Public Health Programs

evidence-based trauma treatment including EMDR (Eye Movement Desensitization and Reprocessing) and other trauma modalities, and psychiatric evaluation and care when needed. Populations served include combat veterans, and survivors of physical and sexual abuse, as well as domestic violence. A special track exists for survivors of trauma from the LGBTQIA+ community.

The Vincent P. Dole Institute for Treatment and Research is located at 503 East 70th Street, NYC, NY 10021. It is part of the NewYork-Presbyterian Hospital's Ambulatory Care Network. Both the Midtown Center and the Vincent P. Dole Institute serve as sites for the study of the prevention and treatment of dependency diseases, as well as outreach, evaluation, and treatment of patients with Hepatitis C. Research studies are underway on the integrated care model, epidemiology and treatment of Hepatitis C infection in drug users, and understanding immunity in opioid users.

The Employee Assistance Program Consortium (EAPC) is located at 641 Lexington Avenue, Floor 25, NYC, NY 10022. It serves the approximately 12,000 employees of Weill Cornell Medical College, Rogosin Institute, and Hospital for Special Surgery. The program provides free and confidential evaluation, crisis intervention, and referrals for a wide range of problems affecting employees. Services are available on-site as well as virtually through telehealth.

In addition to providing a host of valuable services for a wide variety of patients, the division's faculty is distinguished for education and research on topics related to substance use and trauma. These topics include the use of telehealth in providing trauma treatment, the integrated care model, epidemiology and treatment of Hepatitis C infection in drug users, understanding immunity in opioid users, and more. Dr. Beeder serves as a co-principal investigator, along with Dr. Ronald Crystal, Chair, Genetic Medicine, on a Phase 1 clinical trial exploring a vaccine model in patients with cocaine dependency disorder. Dr. Mirella Salvatore, an Assistant Professor of Medicine in the division, is also working on the project and has been publishing related research papers in the peer-reviewed journals.

Dr. Carol Weiss is currently Member-At-Large of the Executive Committee of the Board of Directors of American Academy of Addiction Medicine (AAAP). She is also co-chair of the Co-Occurring Disorders Workgroup for SUD-PTSD at International Society of Addiction Medicine (ISAM) and preparing an international survey of PTSD awareness and practices.

Pulmonary and Critical Care Medicine



Fernando J. Martinez, M.D.

Chief, Division of Pulmonary and Critical Care Medicine

Bruce Webster Professor of Internal Medicine

Professor of Medicine
Professor of Genetic Medicine

Attending Physician,
NewYork-Presbyterian
Hospital

The Division of Pulmonary and Critical Care Medicine provides 24-hour, in-hospital coverage of the Medical Intensive Care Unit (MICU) at Weill Cornell Medicine and at NewYork-Presbyterian Lower Manhattan Hospital. MICU clinical care offers daytime and expanded overnight services. The Bronchoscopy Suite offers state-of-the-art patient care, including Endobronchial Ultrasound (EBUS), Robotic navigational bronchoscopy, and chest tube and Pleurx catheter placement.

The Pulmonary Inpatient Consult Service provides rapid, expert clinical care seven days a week, including an Outreach Service for patients who are critically ill outside of the ICU. In the past year a similar service has been operationalized at NewYork-Presbyterian Lower Manhattan Hospital.

In 2022, the Division initiated a comprehensive collaboration with NewYork-Presbyterian Brooklyn Methodist to provide selected outpatient care and limited ICU care. Dr. William Whalen, an instructor in Medicine recruited in 2022, expanded on a successful collaboration between NewYork-Presbyterian Brooklyn Methodist and the NewYork-Presbyterian Lung Transplantation Program. Based at the NewYork-Presbyterian/Columbia University Irving Medical Center and Weill Cornell Medicine campus, this program has increased access and streamlined the evaluation of potential lung transplantation candidates across our health care system.

The Division's COPD Center, recognized by the COPD Foundation as a COPD360Net Accredited Center, is led by Drs. Jamuna Krishnan and Michael Niederman. This clinical program provides high-quality patient-centered care and offers advanced therapeutic options. Dr. Krishnan has used this program to address inequities in care delivery to patients suffering from COPD. Similarly, collaboration with Columbia and NYU Langone Health continue in an ALA-ACRC series of joint projects. A growing multidisciplinary asthma program provides comprehensive care to patients.

The Interstitial Lung Disease (ILD) Program, led by Drs. Robert Kaner and Anna Podolanczuk, is one of the premier programs in the country, focusing on a complex series of disorders. A designated Pulmonary Fibrosis Foundation (PFF) Center of Excellence, the program recently expanded to NewYork-Presbyterian Brooklyn Methodist Hospital. In close collaboration with the Departments of Radiology, Pathology, and Thoracic Surgery at Weill Cornell Medicine, the Rheumatology division at the Hospital for Special Surgery, and the Department of Pathology Memorial Sloan Kettering Cancer Center, the program holds weekly multidisciplinary conferences to optimize patient care. Divisional investigators lead and participate in multicenter clinical trials of new therapies bringing state-of-the-art diagnostic and treatment options for patients with ILD.

The Pulmonary Procedure Service, directed by Dr. Ben-Gary Harvey, has expanded with an innovative collaboration with our division of Thoracic Surgery. Dr Muhammad Sajawal Ali, an interventional pulmonary trained physician, is a 2022 recruit from the University of Michigan. This broad collaborative group, which includes Drs. Eugene Shostak, Margaret Goldberg, and Kapil Rajwani, provides round-the-clock consultative services to provide innovative diagnostic and therapeutic services. Drs. Harvey and Shostak also provide advanced bronchoscopic management of advanced emphysema, Endoscopic Valve Lung Volume Reduction.

The Pulmonary Function Laboratory, led by Dr. Abraham Sanders, provides expanding expert and timely diagnostic services. Led by Medical Director, Dr. Ana Krieger, the Weill Cornell Center for Sleep Medicine (run jointly by the Departments of Medicine and Neurology) is accredited by the American Academy of Sleep Medicine and remains the largest academic research program in the Tri-state area. It provides evaluation and treatment for the full range of pulmonary and non-pulmonary sleep problems, employing multidisciplinary care.

At NewYork-Presbyterian-Lower Manhattan Hospital, Dr. David Weir serves as Director of Pulmonary and Critical Care Medicine while Dr. Seth Manoach serves as Director of the Medical Intensive Care Unit (MICU). They oversee a range of care for advanced lung diseases, providing compassionate, vital support to the critically ill.

In 2022, Dr. Kelly Griffin led numerous initiatives to enhance nocturnal ICU care across the Weill Cornell Medicine campus, simultaneously spearheading a close interaction with maternal fetal medicine and the Department of Obstetrics and Gynecology in an effort

to standardize the care of critically ill obstetrics patients. She provides expertise in regional and national programs focusing on optimizing health systems under stress.

Dr. Lindsay Lief, Director of the Division's MICU, continues to expand a multidisciplinary outpatient program focused on post-ICU recovery. The program, housed within Weill Cornell Medicine Pulmonary Associates, serves as a key nidus for expanded post-COVID-19 care and its associated long-term manifestations.

Dr. Joseph Mailman, Director of the Pulmonary Embolism Response Team, in collaboration with Dr. Deborah Haisch, has expanded a team of pulmonary and critical care physicians who are available for 24/7 VV-ECMO consultation and management our most severely ill patients. An interdisciplinary consult service is available for NewYork-Presbyterian Queens Hospital, NewYork-Presbyterian-Lower Manhattan Hospital, NewYork-Presbyterian Brooklyn Methodist Hospital, and other local hospitals. In combination with the Shock program, Weill Cornell was recently awarded ELSO GOLD status for Excellence in Extracorporeal Life Support. Dr. Mailman also plays a key role in the expanded use of our EPIC electronic medical record system and serves as Director of the Pulmonary Embolism Response Team.

Dr. Bradley Hayward continues to expand a close collaboration with Geriatrics and Palliative Medicine, particularly focused in critically ill patients.

Dr. Dana Zappetti, the Department's Vice Chair for Clinical Operations, continues to advance programs to ensure the best use of space, talent, and resources with the aim to expand access.

Dr. Meredith Turetz is operationalizing new clinical initiatives focused on Bronchiectasis and non-tuberculous mycobacterial infection in close collaboration with Infectious Disease and Radiology colleagues.

The Division's research portfolio ranges from interstitial and obstructive lung diseases, pneumonia, and lung cancer, to sleep medicine and genetic medicine. Physician-scientists participate in clinical and basic mechanistic investigations, both independently and with collaborators.

Dr. Fernando Martinez, Division Chief, continues to be involved in the fields of COPD and interstitial lung disease. He is Principal Investigator (PI) of a R01 grant that seeks to identify COPD patients who are under-recognized and undertreated in 100 primary care centers across seven practice-based research networks across the U.S. He is the PI of NHLBI sponsored "Understanding the Origins of Early COPD" that is creating a new cohort of younger at-risk individuals who will undergo detailed clinical and

Pulmonary and Critical Care Medicine

molecular phenotyping that is linked with longitudinal assessments. Similarly, with National Heart, Lung, and Blood Institute (NHLBI) support, Dr. Martinez is the overall PI of PRECISIONS program, which aims to transform the diagnosis and treatment of interstitial lung disease by moving into a new era of precision medicine. Lastly, he has recently been awarded a four-year R61/R33 grant from the NHLBI entitled “Phase 1 study of oral epigallocatechin-3-gallate (EGCG) in IPF patients” to study the safety of a green tea extract, epigallocatechin-3-gallate (EGCG) in patients with idiopathic pulmonary fibrosis.

Dr. Augustine M.K. Choi, Professor of Medicine, Senior VP and Senior Advisor to CEO of NewYork-Presbyterian/Weill Cornell Medical Center, directs an active laboratory that, in part, leads the global investigative carbon monoxide (CO) community in understanding this complex biological pathway. His laboratory led the design and successful completion of Phase I and Phase II trials targeting the use of inhaled CO in human disease funded from the NHLBI and Department of Defense. Dr. Choi is the leading investigator in a multicenter, investigational program delineating the biological pathways intersecting between COPD and IPF.

Dr. Choi is the principal mentor to numerous faculty members that are actively engaged in translational studies of human diseases. Dr. Lisa Torres, who has recently secured NIH K23 support, is defining the biological processes underlying immunoparalysis in patients suffering from sepsis. Dr. Maria Plataki has established a robust investigative infrastructure to examine the impact of diet induced obesity on the pathogenesis of acute lung injury and the acute respiratory distress syndrome with support from an NHLBI K08. She also received the Hamilton Clinical Scholar Award. Dr. Alexandra Racanelli is defining the role of the pulmonary vascular endothelium in the development of COPD and associated disorders with support from an NHLBI K08. Dr. David Price, who recently secured a competitive score on an NIH K08, has developed an innovative investigational program focused on neutrophil independent mechanisms of critical illness.

Translational clinical research in the ICU is led by Dr. Edward Schenck, an NHLBI K23 and R21 (co-PI) funded investigator, who is expanding a clinical database that links detailed clinical data with biological patient samples to study inflammation and lung injury in critically ill patients with sepsis. He is also the James P. Smith Clinical Scholar.

Dr. Renat Shaykhiev leads a robust program examining the role of airway epithelial stem cells, epithelial-mesenchymal interactions, epithelial-immune interactions and innate immunity in the lung, as highlighted in a recent sentinel peer reviewed publication.

Dr. William Zhang, who recently secured an NHLBI K08 award, is defining the role of iron metabolism in alveolar macrophages in patients with COPD.

Dr. Heather Stout-Delgado, who recently renewed an NIH R01, explores the aging immune system and its impact on infections and respiratory inflammatory disorders.

Dr. Soo Jung Cho’s laboratory characterizes the role of impaired glucose metabolism and progressive lung fibroproliferation.

Dr. Hasina Outtz Reed is expanding an investigative program that is delineating the role of the lung lymphatic system in the genesis of chronic lung diseases. Her research has been supported by an NHLBI K08 and a recently awarded R01. She also holds the appointment of the James Hilton Manning Research Scholar.

Dr. Michael Podolsky, supported by an NHLBI K08, is focused on defining the mechanisms underlying extracellular matrix turnover and remodeling in fibrotic lung diseases.

Dr. Laurel Monticelli, who has recently transitioned to an R01 funded investigator, leads a multi-investigative collaborative program with the Gale and Ira Drucker Institute for Children’s Health to develop a comprehensive approach to characterizing the role of innate lymphoid cells in ILD.

Dr. Christopher Parkhurst is defining the link between changes in the microbial structure of the gut with central nervous system function, which is highly relevant to various disease states. He is funded by a K08.

Dr. Robert Kaner, who was recently promoted to Professor of Clinical Medicine, focuses on basic and clinical research programs in ILD and COPD. He is the PI of numerous industry and federally funded therapeutic trials exploring innovative therapeutic approaches to patients with ILD. He leads a trial of doxycycline to slow emphysema progression in people living with HIV. He is also a co-PI on an R01 from the NHLBI which will define biologic processes underlying airway abnormalities in early COPD.

Dr. Kapil Rajwani, an Associate Professor of Clinical Medicine, has developed an innovative program focused on developing innovative educational formats including simulation training. He serves as the Director, Simulation Education, Internal Medicine Residency and Pulmonary and Critical Care Fellowship, as well as the Director, Inpatient Clinical Operations and Critical Care Education.

Dr. Kerri Aronson, a member of the ILD Program, has developed an expanding authority in defining optimal formats for optimizing patient-centered management of patients suffering from interstitial lung diseases. Her research is funded by a NHLBI K23, the Scleroderma Foundation, and the American Lung Association.

Dr. Anna Podolanczuk has continued to expand an international reputation in defining the earliest manifestations of interstitial lung disease, advancing our ability to diagnose and manage patients with these disorders. Her research is funded by an NHLBI K23 and a recently awarded Helen and Robert Appel Clinical Scholar Award.

Dr. Clark Owyang has utilized his multidisciplinary critical care training to establish an innovative collaboration with investigators on the Cornell campus to define the role of the right ventricle in heart-lung interactions. He continues to collaborate with intensivists of different backgrounds across the Extracorporeal Life Support Organization (ELSO) network.

Dr. Michael Niederman, an internationally recognized expert in pneumonia and other lung infections, continues to lead clinical investigation protocols related to pneumonia in the ICU and in the community.

Dr. Lief, in collaboration Dr. Holly G. Prigerson, the Irving Sherwood Wright Professor in Geriatrics II, has initiated an R01 funded trial to institute a cognitive-behavioral, acceptance-based intervention for surrogate decision-makers of critically ill patients that aims to improve surrogates' mental health and patient outcomes. Dr. Lief also holds the appointment of the Abby Joseph Cohen Clinical Scholar.

Dr. Deborah Haisch remains focused on addressing the optimal format to enhance critical care delivery in low- and middle-income countries, with a focus on Ethiopia.

The Division's educational mission involves a multifaceted program for the training a broad range of trainees including a leading Pulmonary and Critical Care Fellowship. Simulation programs provide training in Advanced Cardiovascular Life Support and the insertion of Central Venous Catheters continue. The Division's Briscoe-King Lung Club hosts fellows from training programs throughout the tri-state area so that they may present their scientific work. Monthly multidisciplinary conferences on diagnosis and management of respiratory disorders continue.

Our NHLBI supported T32 training grant has recently been renewed for another five years. The program led by Drs. Martinez, Kaner, Choi, and Stout-Delgado oversees a broad range of faculty across the tri-institutional consortium who are training respiratory-focused scientists.

Dr. Kirana Gudi, the Department's Vice Chair of Education, continues to oversee a broad range of training programs, including the Residency Training Program in Internal Medicine, and works closely with leadership to advance its educational mission in furthering faculty development.

Dr. Joshua Davis, Instructor in Medicine, teaches medical students respiratory physiology and shock physiology) and teaches medicine residents the Foundations of Medical Education elective, which he created and now runs.



Pulmonary and Critical Care Medicine Fellowship

Meredith Turetz, M.D., Program Director

Brad Hayward, M.D., Associate Program Director

Robert Kaner, M.D., Associate Program Director

The Pulmonary and Critical Care Medicine Fellowship Training Program is an ACGME-accredited three-year comprehensive program that provides clinical and research training aimed at developing physician-scientists, physician-investigators, and academic clinicians. Fifteen trainees receive robust clinical training in different venues, including the inpatient pulmonary consult service; advanced procedure service; critical care triage; MICU, and other specialty ICUs (cardiothoracic and neurologic); weekly outpatient clinic experiences (encompassing general pulmonary diseases and specialty clinics including ILD and Post ICU Recovery Clinic), and clinical elective rotations. They also develop expertise in simulation and ultrasound. All fellows conduct at least 18 months of research spanning a broad range of expertise (e.g., bench laboratory research, health service and/or patient-centered investigation). Additional training is available through master's degree programs and additional research time is available through our T32 Training Grant. Key investigative areas include cellular biology and molecular immunology, lung and vascular injury, human pathophysiology, and epidemiology and bioinformatics. Faculty mentoring across the tri-institutional setting provides an ideal training environment and promotes scientific collaboration.

Regenerative Medicine



Shahin Rafii, M.D.

Chief, Division of Regenerative
Medicine

Arthur B. Belfer Professor
in Genetic Medicine

Director of the Hartman Institute for
Therapeutic Organ Regeneration

Director, Ansary Stem Cell
Institute

Professor of Medicine
Professor of Genetics
Professor of Reproductive Medicine

The Division of Regenerative Medicine, led by Dr. Shahin Rafii, is dedicated to furthering discoveries and knowledge on organ regeneration and repair, translating their potential into life-saving therapeutics. Dr. Rafii has been at the forefront of vascular biology and stem cell research for two decades. The Division is an interactive community of researchers and clinicians specializing in stem cell research and regenerative medicine. Research in this Division is not only of great value in terms of patient care, but also a crucial resource for educating the next generation of scientists and clinicians, as well as the general public, about the realities and potential benefits of stem cell research. A role model in creating synergistic partnerships with other institutions and foundations, the Division also advocates for public policy that promotes stem cell-based research and therapies.

Known for its state-of-the-art approach to investigation, the Division's laboratory has carried out cutting-edge studies on stem cells and organ regeneration since 2003. Dr. Rafii, who also serves as the Director of the Ansary Stem Cell Institute at Weill Cornell Medicine, provides a core laboratory that utilized by junior faculty members, principal investigators, postdoctoral fellows, residents, and support staff. The laboratory also trains visiting scientists from around the world. Additionally, the Division deploys staff to the Starr Foundation Tri-Institutional Stem Cell Derivation Laboratory at Weill Cornell Medicine to offer onsite human embryonic stem cells and a GLP facility that serves researchers working with pluripotent stem cells.

The Ansary Stem Cell Institute is home to landmark advances in regenerative medicine. Dr. Rafii nationally and internationally recognized for having pioneered the transformative paradigm demonstrating that tissue-specific adult endothelial cells (ECs) are unique instructive vascular niche cells that produce paracrine "angiocrine factors" to directly induce organ regeneration. This concept has revealed the remarkable heterogeneity of the adult vasculature that is underscored by production of tissue-specific angiocrine

factors necessary for orchestrating organ regeneration.

Dr. Rafii's laboratory has ushered in a new era in state-of-the-art models for the study of tissue-specific induction of angiocrine factors in ECs. His laboratory's many advances include the identification of physiologically relevant tissue-specific stimulatory and anti-fibrotic angiocrine factors. The team utilizes *in vivo* genetic models to determine the role of angiocrine factors in organ regeneration and has played a major role in illuminating the intrinsic and microenvironmental determinants of vascular heterogeneity.

The Division also focuses on stem cell biology and their niches using mouse and human genetic models, tissue culture approaches, and molecular biology to model the complex interactions between stem cells and their micro-environment. Multiomics, molecular and cell biological techniques are combined to achieve a systems-level understanding of these complex processes.

Dr. Rafii is also Director of the Hartman Institute for Therapeutic Organ Regeneration, which expands the frontiers of stem cell-based research and organoid development, creating a hub within our Division that facilitates collaboration among researchers, clinicians, surgeons and entrepreneurs. Our scientists have already devised game-changing technologies to fully realize the promise of tissue-specific organoids for repairing injured and malfunctioning organs. The Institute, made possible through the generosity of Board of Fellows member Alan Hartman and his wife, Kim, is focused on a multidisciplinary approach in advancing organ regeneration and repair with the goal of translating discoveries to patient care at Weill Cornell Medicine.

Currently, Dr. Rafii is focused on identifying the molecular and cellular pathways involved in organ regeneration and tumor growth. He has established the concept that vascular endothelial cells are not just inert plumbing to deliver oxygen and nutrients, but through its tissue-specific growth capability, defined as angiocrine factors, supportive of organ regeneration and tumor proliferation. He has shown that bone marrow endothelial cells by elaboration of angiocrine factors, such as Notch ligands, support stem cell self-renewal and differentiation into lymphoid and myeloid progenitors. He has recently shown that liver and lung endothelial cells are endowed with unique phenotypic and functional attributes, and by production of unique instructive growth factors, contribute to the hepatic and alveolar regeneration. Dr. Rafii has also induced differentiation of the murine and human pluripotent embryonic stem cells into functional and engraftable vascular and hematopoietic derivatives. He has also developed screening approaches to exploit endothelial cells as a vascular niche platform,

identifying novel angiocrine factors that instruct organ morphogenesis and orchestrate stem cell self-renewal and differentiation.

The laboratory of Dr. Joe Qiao Zhou has made seminal contributions to regenerative biology. His laboratory pioneered a new approach of regenerating pancreatic insulin-secreting beta cells in the mature pancreas by directly reprogramming pancreatic acinar cells with defined genetic factors. This study is the first proof-of-concept that cells in adult organs can be reprogrammed *in vivo*, which led to numerous subsequent studies of adult tissue plasticity. His laboratory discovered that gastric antral cells are also highly amenable for conversion into insulin-secreting cells. The Zhou lab continues to make significant progress in advancing mechanistic studies, as well as in developing technologies to produce insulin⁺ cells from human gastric stem cells as a potential cell therapy for type 1 diabetes. Also in process is the study of stem cells in large intestine mucosal regeneration. The Zhou lab has identified critical factors, without which, colon mucosa is transformed into small intestine mucosa with implications in diseases such as short-bowel disease, inflammatory bowel diseases, and colorectal cancer. The Zhou lab uses state-of-the-art tools and approaches, including human embryonic stem cells, human organoids, CRISPR screening, single-cell sequencing, functional genomics, and many more for mechanistic understanding and therapeutic development.

In 2022, Dr. Zhou and colleagues published key findings in *STAR Protocols* on how the role of knockout organoid lines from multiple donors enables analysis of specific gene functions. They report protocols to produce colonic organoid knockout lines within 1 to 2 weeks using lentiviral delivery of CRISPR-Cas9, achieving knockout efficiency of 90% or greater. These lines are suitable for multilineage differentiation and downstream analysis.

Dr. Zhou is also Director of the Weill Cornell Medicine Human Therapeutic Organoid Core (HTOC) facility since its inception in 2022. The facility serves as a hub for accelerated organoid-based scientific discovery with services including hands-on training in organoid technology, consultation on the development and establishment of organoid systems, and more.

Dr. Raphael Lis aims to advance the study of the brain blood barrier (BBB) by developing *in vitro* models attempting to mimic the physiological complexity of

the BBB *in vivo*. It has been demonstrated that BBB traits are not intrinsic to brain specific ECs, but rather the result of a dynamic interplay with their microenvironment, including multiple cell types such as astrocytes and pericytes. The Lis laboratory aims to resolve this issue by developing various *in vitro* BBB models using neural cell co-cultures consisting of ECs, pericytes, and astrocytes. These models also include pluripotent stem cell differentiation methods, as well as brain organoids and organ-on-a-chip approaches to generate an *in vitro* model of the BBB for clinical research and drug development.

Dr. David Redmond is a computational biologist specializing in high-throughput sequencing platforms, including bulk and single-cell transcriptomics, epigenetics, and spatial technologies. With the recent development of these single-cell and spatial sequencing technologies that have allowed for a deeper understanding of the cell as a functional unit, Dr. Redmond develops methods for deconvoluting important functional data including one of the first algorithms for recapitulating full TCR identity in single cell data.

The Matthias Stadtfeld laboratory, led by Dr. Matthias Stadtfeld, Associate Professor of Cell Biology in Medicine, combines sophisticated genome engineering approaches with the directed differentiation of mouse and human pluripotent stem cells to study transcriptional regulation during mammalian development. Its major long-term goals are understanding how the epigenome is remodeled during physiological and pathological cell fate changes and utilizing this knowledge to develop novel therapeutic approaches and generate clinically relevant cell types from stem cells in the laboratory. Research from the Stadtfeld lab has identified naturally occurring genetic variations between individuals as a major cause for the detrimental instability of essential DNA methylation and other epigenetic marks in cultured pluripotent stem cells, one of the major bottlenecks for biomedical applications using these cells. The further study of these variants has the potential to reveal novel biomarkers for stem cell potency and to identify optimal conditions for establishment, maintenance, and differentiation of pluripotent cells from different individuals. In addition, the Stadtfeld laboratory has implemented novel controlled protein depletion approaches to study how loss-of-function mutations in transcriptional regulators contributes to the occurrence of developmental disorders and to reveal the effectiveness of targeted therapeutic approaches at later stages of development. Notable 2022 recruits include Dr. Laurreta Ann Lacko, Assistant Professor of Cell Biology Research, who is based at the HTOC.

Rheumatology



S. Louis Bridges, Jr., M.D., Ph.D.

Chief, Division of Rheumatology,

Joseph P. Routh Professor of Rheumatic Diseases in Medicine

Physician-in-Chief and Chair of the Department of Medicine, Hospital for Special Surgery

Franchellie M. Cadwell Professor of Medicine, Hospital for Special Surgery

Attending physician,
NewYork-Presbyterian Hospital

Based at Hospital for Special Surgery (HSS), the Division of Rheumatology, led by Chief Dr. Lou Bridges, is a national and international leader in caring for patients with autoimmune, inflammatory and musculoskeletal conditions. It is also a leader in research that has contributed to the identification of novel therapeutic targets, giving new understanding of disease mechanisms; and an innovator in approaches to medical education and education research. In addition to maintaining a volume of approximately 20,000 in-person and telehealth outpatient visits per year, the Division is responsible for the pre- and post-surgical care of more than 10,000 patients who undergo orthopedic procedures at HSS each year.

This has enabled HSS clinicians and researchers to develop patient registries with detailed clinical information that provides a crucial resource for clinical and translational research studies using longitudinal data collection, patient-reported outcomes and biologic samples. Our team of rheumatologists focus on achieving optimal outcomes for patients with disorders ranging from osteoarthritis to the most complex cases of rheumatoid arthritis (RA); lupus; vasculitis; and systemic sclerosis. In addition to outpatient clinics at Weill Cornell Medicine and NewYork-Presbyterian Brooklyn Methodist, we see patients at satellite locations in New Jersey (Paramus), Westchester County (White Plains, NY), and most recently, Long Island (Uniondale, NY), which opened in 2022.

The HSS Department of Medicine Clinical Operations Work Group, co-chaired by Drs. Linda Russell and Jessica Gordon, continues work to establish more operational efficiency and value-focused care across all practices. Dr. Steven Magid serves as Chief Medical Information Officer for HSS, overseeing implementation of the medical information technology system in the hospital and office practices. Dr. Russell leads the management of optimal patient preparation and postoperative care. Dr. Karen

Onel leads the Division of Pediatric Rheumatology, with many clinical and academic programs shared with our adult rheumatologists. HSS's Division of Endocrinology, which focuses on bone health, is led by Dr. Richard Bockman, and HSS's Division of Infectious Diseases is led by Dr. Andy Miller; both doctors are key collaborators with orthopedic surgeons caring for both immunocompromised patients as well as patients with musculoskeletal infections in the hospital setting. Our busy inpatient consult service covers HSS, NewYork-Presbyterian/Weill Cornell Medical Center, and Memorial Sloan Kettering Cancer Center (MSKCC).

The Division has a long history of leading basic and translational research studies that have elucidated important mechanisms of autoimmune and inflammatory disease and have identified important therapeutic targets. It is also recognized for its productive collaborations among bench scientists and clinicians. Clinical rheumatologists, clinical and laboratory investigators, nurses, social workers, and students advance disease-focused research, patient education, and professional education through the Division's centers of excellence in lupus, scleroderma/vasculitis/myositis, inflammatory arthritis, and integrative rheumatology and orthopedics, as well as its Barbara Volcker Center for Women and Rheumatic Diseases.

Dr. Timothy B. Niewold serves as Vice Chair for Research in the Department of Medicine at HSS. A pioneering physician-scientist in lupus, Dr. Niewold is working with Dr. Bridges in leading the next generation of impactful translational and clinical research and will chair the Research Work Group.

Dr. Lionel B. Ivashkiv, HSS's Chief Scientific Officer, is supported by National Institutes of Health (NIH) research grants addressing epigenetic mechanisms relevant to the regulation of inflammation and bone resorption in rheumatoid arthritis. His lab is making seminal observations on the epigenetic control of cytokine gene expression and osteoclast maturation, and his studies of chromatin modifications are leading to new understanding of how the immune system becomes primed to react efficiently to future microbial or inflammatory stimuli. Dr. Jane Salmon has identified biomarkers that predict adverse pregnancy outcomes in patients with lupus or antiphospholipid syndrome. She is leading an interventional trial of a tumor necrosis factor inhibitor to prevent adverse pregnancy outcomes in patients with antiphospholipid syndrome. She also leads the Faculty Development Work Group, which focuses on

faculty promotions, wellness, and DEI-centered issues with the goal of continuing to build a more inclusive environment.

A translation research lab lead by Dr. Mary Crow, in collaboration with Dr. Kyriakos A. Kirou, has demonstrated that type I interferon is a central mediator of immune dysregulation and autoimmunity in SLE and has provided insight into the role of additional molecular pathways involved in lupus nephritis.

In addition to established investigators, the Division has a deep pool of outstanding early-stage investigators, including Drs. Bella Mehta, Medha Barbhaiya, Kim Lakin, David Fernandez, Sarah Lieber, Theresa Wampler-Muskardin, Ashira Blazer, and Ruth Fernandez-Ruiz. Collectively, this group has funding from the NIH (K23, K08), Rheumatology Research Foundation, Arthritis National Research Foundation, and Lupus Research Alliance. Their research interests are broad and include rheumatoid arthritis, osteoarthritis, scleroderma, undifferentiated connective tissue disease, antiphospholipid syndrome, myositis, frailty in rheumatic diseases, the impact of COVID-19 on patients with rheumatic diseases, and health care disparities.

Drs. Laura Donlin, Vivian Bykerk, Lou Bridges, and Susan Goodman, along with Dr. Dana Orange of Rockefeller University and investigators at Rochester University and the University of Colorado, lead a national NIH-funded Accelerating Medicines Partnership Program Autoimmune and Immune-Mediated Diseases (AMP AIM) team focused on rheumatoid arthritis. The AMP AIM Program utilizes a suite of next-generation tools and technologies to map how cell types, cell states, and cell-to-cell interactions network to cause inflammation, abnormal function, and tissue injury, not only in RA, but in psoriatic spectrum diseases, Sjögren's disease, and systemic lupus erythematosus. HSS was integral to the success of the previous AMP RA/SLE program, which pioneered a transformational approach to dissect how these diseases occur at the individual cell level.

Dr. Donlin and Dr. Anne Bass, along with Dr. Nilasha Ghosh, lead translational studies of the rheumatologic complications of checkpoint inhibitor therapy for cancer in collaboration with oncologists at MSKCC. Finally, in 2022, we welcomed Dr. Melanie H. Smith, an adult rheumatologist at HSS who, like most of our other HSS clinicians, maintains an academic appointment in Medicine in the WDOM. She focuses on understanding the different roles of tissue-resident synovial fibroblasts in arthritis using patient samples.

In 2022, our researchers submitted 21 grant applications and secured nine extramural grant awards. We provided supplemental research funds through our philanthropic efforts, such as the Discovery Grant and Barbara Volcker

Center Grant, to five recipients. Our senior researchers continue to grow our international presence by serving as director of guideline development for the American College of Rheumatology (ACR). This includes Dr. Bass for vaccinations in patients with rheumatic diseases; Dr. Goodman for perioperative management of knee replacement; and Dr. Onel for Juvenile Idiopathic Arthritis treatment.

At the 2022 American College of Rheumatology (ACR) Annual Meeting, Drs. Michael Lockshin, and Melanie Smith received the ACR Distinguished Clinician Scholar Award and ACR Distinguished Fellow Award, respectively.

Rheumatology Fellowship

Our rheumatology fellowship programs, also in partnership with HSS, combine broad-based, in-depth clinical and research experience to deliver the highest quality academic training to young adult and pediatric rheumatology professionals. The adult rheumatology training program is directed by Drs. Juliet Aizer and Karmela (Kimi) Chan, and the pediatric rheumatology training program is directed by Dr. Alexa Adams. Our fellows provide continuity of care for patients with the involvement of all rheumatology faculty members as supervisors and teachers. A weekly clinic for evaluation of new patients, and specialty clinics focused on inflammatory arthritis, lupus and antiphospholipid syndrome, vasculitis and systemic sclerosis provide rheumatology fellows and rotating internal medicine residents with a superb experience in evaluation and management of a full spectrum of rheumatic diseases. Training of fellows in musculoskeletal ultrasound is provided through a specialized curriculum as well as hands-on experience. Each rheumatology trainee completes a basic, clinical, or education research project under the supervision of one or more faculty members and with oversight by a mentoring committee.

Trainees pursuing a research career are encouraged to apply for peer-reviewed research grant support, and those headed for careers in academic medicine often gain additional training through several available master's programs. Dr. Bass and pediatric rheumatologist Dr. Sarah Taber lead the HSS DOM Education Work Group, which coordinates educational activities focused on referring physicians, rheumatologists, and patients. We are proud of fostering this strong academic environment to consistently attract future leaders in rheumatology.

Iris Cantor Women's Health Center (ICWHC)



Orli R. Etingin, M.D.
Medical Director, ICWHC
Vice Chair for Faculty
Lisa and Sanford B. Ehrenkrantz
Professor in Women's Health
Professor of Clinical Medicine
Professor of Clinical Obstetrics and
Gynecology
Attending Physician,
NewYork-Presbyterian Hospital

The Iris Cantor Women's Health Center (ICWHC) offers the most comprehensive array of healthcare services – designed specifically for women – in a single location in New York City. With more than 40,000 square feet of clinical space occupying four floors under one roof, women can access the finest prevention, screening, and treatment services in one convenient location. All the Center's physicians are full-time Weill Cornell Medicine faculty members and attending physicians at New York-Presbyterian/Weill Cornell Medical Center. Led by Director Dr. Orli R. Etingin, ICWHC gives women state-of-the-art service in breast cancer detection and treatment through its Breast Center, which offers

oncology, radiology, pathology, breast and reconstructive surgery and genetic testing, all in one place. A team of internists, gynecologists, radiologists, among many others, facilitate superb coordination.

More recently, Dr. Etingin has provided expertise and assistance during the development of the Iris Cantor Men's Health Center, which encompasses both men's health services and executive health testing. Located at 425 East 61st Street, the men's health practice enhances the primary care network of Weill Cornell Medicine delivering patient care that covers internal medicine, cardiology, endocrinology, hematology, and urology. It also houses the Department of Urology's Institute for Bladder and Prostate Health. Clinical research collaborations between men's and women's health continue.

The 40th annual 2022 Women's Health Symposium, presented both virtually and in person in October 2022, focused on sleep research and solutions for improved health. Drs. Ana Kreiger and Holly Andersen led the discussion on the essential role of sleep in women's mental, emotional and physical wellbeing. Dr. Kreiger discussed the latest updates in sleep research and treatment while Dr. Andersen explored the effects of cardiovascular exercise, relaxation and other wellness practices' impact on sleep. The conversation was moderated by Dr. Etingin.



Dr. Orli Etingin at the ICWHC



Residents & Fellows

Weill Department of Medicine

2022 Residents & Fellows

Dr. Kirana Gudi serves as Director of the Internal Medical Residency Program and Vice Chair for Education in the Weill Department of Medicine. The Internal Medicine Residency Program is distinguished by a unique combination of activities and opportunities. One of the program's core principles is that house staff learn best through authentic responsibility. House staff serve as the primary provider across all aspects of patient care. Intellectual curiosity is fostered throughout the curriculum, whether exploring basic science, translational medicine, clinical expertise or the healthcare delivery system.



Dr. Kirana Gudi

2022 Chief Residents



Thomas Di Vitantonio, M.D.



Benedict Osorio, Jr., M.D.



Emily Smith, M.D.



Ambulatory Chief Resident
Rochelle Wong, M.D.



Quality Improvement
Chief Resident
Manjinder Kandola, M.D.

Senior Residents (PGY3)

Ugochukwu Akpara, *CUNY School of Medicine*

Brinda Alagesan, *Stony Brook University School of Medicine*

Ariel Bar-Mashiah, *Icahn School of Medicine at Mount Sinai*

Kevin Chan, *Weill Cornell Medicine*

Alexander Choi, *University of Michigan Medical School*

Megan Creasman, *University of California, San Francisco School of Medicine*

Mikiyas Teshome Desta, *University of Kentucky College of Medicine*

Bianca Di Cocco, *Geisel School of Medicine at Dartmouth*

Ashley Dixon, *Rutgers New Jersey Medical School*

Nechama Dreyfus, *Albert Einstein College of Medicine of Yeshiva University*

Olivia Fankuchen, *Tulane University School of Medicine*

Emily Frey, *The University of Chicago Pritzker School of Medicine*

Theodore Getz, *Case Western Reserve University School of Medicine*

Nicolas Gomez Banoy, *Universidad Nacional de Colombia Facultad de Medicina*

Justin Grenet, *Perelman School of Medicine, University of Pennsylvania*

Jeanie Gribben, *Icahn School of Medicine at Mount Sinai*

Namrata Gumaste, *Rutgers Robert Wood Johnson Medical School*

Zachary Hostetler, *Perelman School of Medicine, University of Pennsylvania*

Devora Isseroff, *Icahn School of Medicine at Mount Sinai*

Ruth Kagan, *Harvard Medical School*

Ashwin Kelkar, *Case Western Reserve University School of Medicine*

Madelyn Klugman, *Albert Einstein College of Medicine of Yeshiva University*

Rebecca Krakora, *Rutgers Robert Wood Johnson Medical School*

Dennis Lee, *Weill Cornell Medicine*
Michelle Lee, *Baylor College of Medicine*

Kimberly Loo, *Lewis Katz School of Medicine at Temple University*

Lawrence Lucas, *University of South Carolina School of Medicine Greenville*

Malika Madhava, *Sidney Kimmel Medical College at Thomas Jefferson University*

Melina Manolas, *Tulane University School of Medicine*

Lauren Mitchell, *Harvard Medical School*
Paul Paik, *Weill Cornell Medicine*

Jin Park, *University of California, Los Angeles David Geffen School of Medicine*

Tamasha Persaud, *SUNY Downstate Health Science University College of Medicine*

Kara Ryan, *Tufts University School of Medicine*

Choumika Simonis, *Loyola University Chicago Stritch School of Medicine*

Hank Swerdloff, *Tulane University School of Medicine*

Jacqueline Tao, *Stanford University School of Medicine*

David Thomas, *Columbia University Vagelos College of Physicians and Surgeons*

Brittany Toffey, *Rutgers New Jersey Medical School*

Christopher Tricarico, *Washington University School of Medicine and Health Sciences*

Charlton Tsai, *Duke University School of Medicine*

Manik Uppal, *Weill Cornell Medicine*

Krista Vadaketh, *Drexel University College of Medicine*

Sharan Yadav, *Weill Cornell Medicine – Qatar*

David Zhang, *Weill Cornell Medicine*

Raymond Zou, *CUNY School of Medicine*

Junior Residents (PGY2)

Kevin Bachrach, *Boston University School of Medicine*

Jeetayu Biswas, *Albert Einstein College of Medicine of Yeshiva University*

Benjamin Blake, *Virginia Commonwealth University School of Medicine*

Joshua Bliss, *Weill Cornell Medicine*

Catherine Cai, *Saint Louis University School of Medicine*

Joyce Chen, *University of California, San Diego School of Medicine*

Nicole Cornet, *Rush Medical College of Rush University*

Camila Delgado, *New York University Grossman School of Medicine*

Neela Easwar, *University of California, San Diego School of Medicine*

Rahmi Elahjji, *Weill Cornell Medicine*

Raihan El-Naas, *Weill Cornell Medicine – Qatar*

Scott Fabricant, *Rutgers New Jersey Medical School*

Elise Fraser, *Columbia University Vagelos College of Physicians and Surgeons*

Karen Gambina, *Columbia University Vagelos College of Physicians and Surgeons*

Stephanie Gergoudis, *Icahn School of Medicine at Mount Sinai*

Nancy Holbrook, *Emory University School of Medicine*

Michael Hovan, *Rutgers Robert Wood Johnson Medical School*

Raina Jain, *Geisel School of Medicine at Dartmouth*

Joshua Kassner, *Georgetown University School of Medicine*

Rebecca Klahr, *Icahn School of Medicine, at Mount Sinai*

Isha Lamba, *Weill Cornell Medicine – Qatar*

Han Li, *Weill Cornell Medicine*

Chanel Ligon, *Columbia University Vagelos College of Physicians and Surgeons*

Bethina Liu, *Weill Cornell Medicine*

Paulina Luna Martinez, *Yale School of Medicine*

John Mancini, *CUNY School of Medicine*

Ari Mandler, *George Washington University School of Medicine and Health Sciences*

Francis May, *Case Western Reserve University School of Medicine*

Jessica Palmer, *New York Medical College*

Colton Pence, *The University of Texas Southwestern Medical School*

Christina Pugliese, *George Washington University School of Medicine and Health Sciences*

Emma Schatoff, *Weill Cornell Medicine*

Zohaib Shaikh, *Duke University School of Medicine*

Jared Silberlust, *University of Miami Miller School of Medicine*

Rebecca Spicehandler, *Duke University School of Medicine*

Yuqing Sun, *Johns Hopkins University School of Medicine*

Rachel Tenney, *University of California, San Francisco School of Medicine*

Graham Wehmeyer, *Weill Cornell Medicine*

Dustin Wessells, *University of Virginia School of Medicine*

Andrew Yin, *Weill Cornell Medicine*

Linda Yu, *University of California, San Francisco School of Medicine*

Daniel Zetter, *University of Louisville School of Medicine*

Jingxian Zhang, *Yale School of Medicine*

Ruina Zhang, *New York University Grossman School of Medicine*

Intern Residents (PGY1)

Rachel Axman, *SUNY Downstate Health Science University College of Medicine*

Jakyung Bang, *Weill Cornell Medicine*

Robert Beale, *SUNY Downstate Health Science University College of Medicine*

Godwin Boafu, *The Warren Alpert Medical School of Brown University*

Michael Calavano, *Columbia University Vagelos College of Physicians and Surgeons*

Kelvin Chan, *Renaissance School of Medicine at Stony Brook University*

Karen Chen, *SUNY Downstate Health Science University College of Medicine*

Elizabeth Corley, *University of Maryland*

John Debella, *The Warren Alpert Medical School of Brown University*

Yasmine Elfarra, *Rutgers, Robert Wood Johnson Medical School*

Ashley Ezema, *Northwestern University Feinberg School of Medicine*

Kristen Fadel, *University of Virginia School of Medicine*

Rhea Fogla, *Weill Cornell Medicine*

Emily Frech Preciado, *University of Oklahoma College of Medicine*

Eleanor Gerhard, *George Washington University School of Medicine and Health Sciences*

Yende Grell, *Weill Cornell Medicine*

Nicolas Herrera Crosta, *Boston University School of Medicine*

Aaron Holmes, *University of Connecticut School of Medicine*

Niki Iranpour, *Baylor College of Medicine*

Jake Joblon, *University of California, San Diego School of Medicine*

Caitlin Keenan, *Tufts University School of Medicine*

Haarika Korlipara, *Renaissance School of Medicine at Stony Brook University*

Abha Kulkarni, *Rutgers, Robert Wood Johnson Medical School*

Jiazhen Li, *Rutgers, Robert Wood Johnson Medical School*

Xingyi Li, *Geisel School of Medicine at Dartmouth*

Danny Luan, *Weill Cornell Medicine*

Kabir Malkani, *Sidney Kimmel Medical College at Thomas Jefferson University*

Brian McSteen, *University of California, San Francisco, School of Medicine*

Matthew Navarro, *The Warren Alpert Medical School of Brown University*

Daniel Paik, *Columbia University Vagelos College of Physicians and Surgeons*

Simone Prather, *Oregon Health & Science University School of Medicine*

Aditi Rao, *University of Michigan Medical School*

Elizabeth Reznik, *Weill Cornell Medicine*

Lucelenie Rodriguez Laureano, *New York University Grossman School of Medicine*

Carrie Sha, *Weill Cornell Medicine*

Jewel Udenwagu, *University of Texas Rio Grande Valley School of Medicine*

Kristina Valentine, *The Robert Larner, M.D., College of Medicine at the University of Vermont*

Leia Wedlund, *Harvard Medical School*

Daniel Weinberg, *Weill Cornell Medicine*

Laura Werle, *State University of New York Downstate Medical Center College of Medicine*

Robert Williams, *Weill Cornell Medicine*

Xiaohan Ying, *Weill Cornell Medicine*

Lillian Zhang, *University of California, Davis, School of Medicine*

Alice Zhao, *Weill Cornell Medicine*

Professional Pursuits

Subspecialty Fellowship Appointments

Cardiology

Andrew Adelsheimer, *New York University*

Jesse Frye, *Stony Brook University*

Chanel Jonas, *University of Pennsylvania*

Ruth Kagan, *New York University*

Arielle Kushman, *NewYork-Presbyterian/Weill Cornell*

Melina Manolas, *Montefiore*

Chukwuma Onyebeke, *NewYork-Presbyterian/Weill Cornell*

Krista Vadaketh, *NewYork-Presbyterian/Weill Cornell*

Fabian Vargas, *NewYork-Presbyterian/Columbia*

Alyssa Zaidi, *NewYork-Presbyterian/Weill Cornell*

David Zhang, *Stony Brook University*

Endocrinology

Nicolas Gomez Banoy, *NewYork-Presbyterian/Weill Cornell*

Namrata Gusmate, *New York University*

Sapir Nachum, *University of Pennsylvania*

Jin Park, *NewYork-Presbyterian/Weill Cornell*

Gastroenterology

Aiya Aboubakr, *NewYork-Presbyterian/Weill Cornell*

Emmanuel Attah, *Memorial Sloan Kettering Cancer Center*

Ari Bar-Mashiah, *NewYork-Presbyterian/Weill Cornell*

Benjamin Biederman, *New York University*

Lindsay Clarke, *Massachusetts General Hospital-Brigham and Women's Hospital*

Enad Dawod, *NewYork-Presbyterian/Weill Cornell*

Bianca DiCocco, *Stony Brook University*

Benjamin Gordon, *NewYork-Presbyterian/Weill Cornell*

Michelle Lee, *NewYork-Presbyterian/Weill Cornell*

Paul Paik, *University of South California*

Tamasha Persaud, *Montefiore*

General Internal Medicine

Lauren Mitchell, *University of Chicago*

Geriatric/Palliative

Emily Frey, *NewYork-Presbyterian/Weill Cornell*

Stephanie Pagliuca, *Boston University*

Melanie Koren, *Mount Sinai Hospital*

Global Health

Malika Madhava, *University of Alabama-Birmingham*

Hematology and Medical Oncology

Prashasti Agrawal, *Memorial Sloan-Kettering Cancer Center*

Brinda Alagesan, *Memorial Sloan-Kettering Cancer Center*

Jeetayu Biswas, *Memorial Sloan-Kettering Cancer Center*

Joyce Chen, *Memorial Sloan-Kettering Cancer Center*

Olivia Fankuchen, *New York University*

Theodore Getz, *Yale University*

Justin Grenet, *Oregon Health and Sciences*

Caitlin Gribbin, *NewYork-Presbyterian/Weill Cornell*

Nigel Gwini, *Memorial Sloan-Kettering Cancer Center*

Devora Isseroff, *Yale University*

Eric Jurgens, *Memorial Sloan-Kettering Cancer Center*

Matthew Kudelka, *Memorial Sloan-Kettering Cancer Center*

Madeline Klugman, *Johns Hopkins*

Dennis Lee, *New York University*

Kimberly Loo, *NewYork-Presbyterian/Weill Cornell*

Nikita Malakhov, *NewYork-Presbyterian/Weill Cornell*

Nechama Dreyfus, *Montefiore*

Emma Schatoff, *Memorial Sloan-Kettering Cancer Center*

Yuqing Sun, *Memorial Sloan-Kettering Cancer Center*

Jacqueline Tao, *NewYork-Presbyterian/Columbia*

Gaurav Varma, *New York University*

Julia Wu, *NewYork-Presbyterian/Weill Cornell*

Infectious Disease

Lee Gottesdiener, *NewYork-Presbyterian/Weill Cornell*

Zachary Hostetler, *University of Pennsylvania*

Wesley Rogers, *NewYork-Presbyterian/Weill Cornell*

Sharan Yadav, *NewYork-Presbyterian/Weill Cornell*

Pulmonary and Critical Care Medicine

Mikiyas Desta, *NewYork-Presbyterian/Columbia*

Kelly Crane, *NewYork-Presbyterian/Weill Cornell*

William Jackson, *Yale University*

Sonal Mallya, *Johns Hopkins*

Madelyn Renzetti, *Yale University*

Elizabeth Sanchez, *New York University*

Patrick Weill, *University of Texas Southwestern Medical Center*

Other Professional Pursuits

Kerry Meltzer, *Fellow National Clinicians Scholars Program, University of Pennsylvania*

Rheumatology

Megan Creasman, *University of San-Francisco*

Maryam Own, *Mayo Clinic*

Xin Wang, *NewYork-Presbyterian/Columbia*

Chief Residencies

Jeanie Gribben, *Chief Medical Resident, NewYork-Presbyterian/Weill Cornell*

Ashwin Kelkar, *Chief Medical Resident, NewYork-Presbyterian/Weill Cornell*

Rebecca Krakora, *Chief Medical Resident, NewYork-Presbyterian/Weill Cornell*

Kara Ryan, *Ambulatory Chief Medical Resident, NewYork-Presbyterian/Weill Cornell*

Charlton Tsai, *Chief Medical Resident, NewYork-Presbyterian/Weill Cornell*

Ugochukwu Akpara, *Chief Medical Resident, Memorial Sloan-Kettering Cancer Center*

Hospitalists/Instructor In Medicine

Carly Borinsky, *NewYork-Presbyterian/Weill Cornell*

Kevin Chan, *NYU Langone Health*

Alexander Choi, *Massachusetts General Hospital-Brigham and Women's Hospital*

Erica Corredera, *Memorial Sloan-Kettering Cancer Center*

Christine Park, *Memorial Sloan-Kettering Cancer Center*

Sandeep Sikerwar, *NewYork-Presbyterian/Weill Cornell*

Academic Appointments

Clarissa Andre, *Clinical Assistant Professor, New York University*

Mara Bensson, *Primary Care Physician Bulfinch Medical Group, Massachusetts General Hospital, and Instructor in Medicine, Harvard Medical School*

Taylor Lucas, *Clinical Leadership, NYC Health and Hospital*

Francis May, *Medical Genetics, NewYork-Presbyterian Weill Cornell/Memorial Sloan Kettering Cancer Center*

Brittany Toffey, *Primary Care Physician, Summit Internal Medicine*

Kenneth Vera, *Clinical Assistant Professor in Medicine, New York University*

Xiaohui Wang, *Instructor in Medicine, NewYork-Presbyterian/Lower Manhattan*

Contacts

Chair Office

Chair (Interim)

Joan and Sanford I. Weill Department of Medicine

John P. Leonard, M.D.
Tel: (212) 746-4720

Chief Administrative Officer

Paige McMillan, M.H.A.

Residency Office

Vice Chair for Education Director, Internal Medicine Residency Program

Kirana Gudi, M.D.

Residency Program Manager

Margie Daly, M.P.A.

Administration

Associate Director, Faculty & Staff Support

Nancy Bennett

Associate Director, Budget & Accounting

Anna Lezon

Associate Director, Clinical Operations

Sophia Gibbs, M.B.A.

Associate Director, Revenue and Compliance

Sean Butler, M.B.A., C.P.C.

Associate Director, Research Administration

Natalie Pagan

Associate Director, Strategic Planning & Initiatives

ThuTrang Du

Manager, Communications

Larissa Breedlove, M.F.A.
Tel: (929) 241-4825

Divisional Offices

Cardiology

Jonathan W. Weinsaft, M.D., Chief
Ann Matier, M.B.A., Administrator

Clinical Epidemiology and Evaluative Sciences Research

Mary E. Charlson, M.D., Chief
Stephen Hunt, Administrator

Endocrinology, Diabetes and Metabolism

Laura Alonso, M.D., Chief
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Gastroenterology and Hepatology

Robert Brown, M.D., M.P.H., Chief
Andrew Crawford, Administrator

General Internal Medicine

Monika Safford, M.D., Chief
Blake T. Rambo, J.D., M.B.A.,
Administrator

Geriatrics and Palliative Medicine

Ronald D. Adelman, M.D., Co-Chief
Mark S. Lachs, M.D., M.P.H., Co-Chief
Cory Henkel, M.H.A., Administrator

Center for Global Health

Daniel Fitzgerald, M.D., Director
Katherine Alfafodimos, Administrator

Hematology and Medical Oncology

Manuel Hidalgo, M.D., Chief
Paula Goldstein, M.P.A., Administrator

Infectious Diseases

Roy M. Gulick, M.D., M.P.H., Chief
Avi Bueno, Administrator

Iris Cantor Women's Health Center

Orli R. Etingin, M.D., Director
Jane Yuen, M.H.A., Administrator

Medical Ethics

Joseph J. Fins, M.D., Chief
Elizabeth (Liz) Salsgiver, Administrator

Nephrology and Hypertension

Manikkam Suthanthiran, M.D., Chief
Elizabeth Salsgiver, Administrator

Public Health Programs

Ann B. Beeder, M.D., Chief
Gerard Ilaria, M.S.W., Administrator

Pulmonary and Critical Care Medicine

Fernando J. Martinez, M.D., Chief
Kathy Rosenberg, M.B.A., Administrator

Regenerative Medicine

Shahin Rafii, M.D., Chief
Maria Hernandez, Administrator

Rheumatology

S. Louis Bridges, Jr., M.D., Ph.D., Chief

Credits

Communications Manager,
Larissa Breedlove, M.F.A.

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**Joan and Sanford I. Weill
Department of Medicine**



New York-Presbyterian/Weill Cornell Medical Center
Joan and Sanford I. Weill Department of Medicine
525 East 68th Street, Box 130, New York, New York 10065

<https://medicine.weill.cornell.edu/>