



Division of General Internal Medicine and Clinical Innovation

# DGIMCI 2022 ANNUAL UPDATE DISCOVERY AND IMPACT





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## PHILANTHROPY

The Division of General Internal Medicine and Clinical Innovation is fortunate to receive philanthropic support. These donations afford the Division the opportunity to support our faculty development programs and innovation projects. We gratefully acknowledge these and all our supporters:

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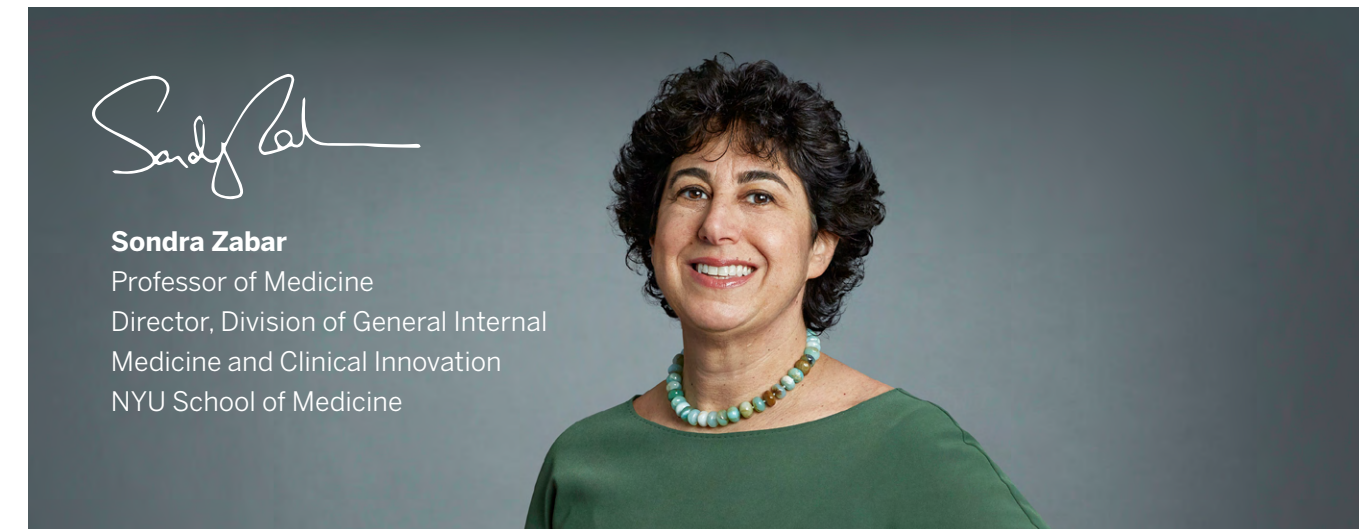
- Murray J. Berenson, MD Innovation Grants in Patient Doctor Communication
- Anthony J. Grieco, MD Innovation Grants in Medical Education Research
- The Merrin Bedside Teaching Program

This year, I want to take a cue from the 2022 Society of General Internal Medicine’s annual meeting theme - Dimensions of a Generalist Career: Discovery, Equity and Impact. This Annual Update will highlight how we are building a successful and sustainable generalist workforce. Our faculty foster discovery as the key to medical education and health promotion research. We advocate every day for health equity by providing comprehensive, inclusive and compassionate care for our patients and through policy and community engagement. Our faculty are health care leaders and committed to preparing the next generation of generalists to impact the future of health care.

We, as a Division, are committed to building and strengthening the pipeline of general internal medicine physicians by engaging with key partners and playing major roles in the ongoing reformation of medical education.

I invite you to follow the COVID-19 timeline and see how during the COVID-19 pandemic, general internal medicine physicians were flexible in adapting to the rapidly changing environment of healthcare provision and medical education. Now, as we are learning to live with COVID-19, we are the expert diagnosticians, providers of primary care and preventive health, all while remaining central to our patients’ overall well-being.

It is my distinct pleasure to share this Annual Update illustrating the inspired work of our colleagues over this past year. Please join me in celebrating our many DGIMCI accomplishments.



## Supporting Older Adults in Managing Diabetes



Nutrition plays a key role in diabetes prevention and is best addressed in the primary care setting due to the chronic nature of the disease. **Jeannette Beasley, PhD, RD** was awarded a five year NIH R01 grant, entitled, BRInging the Diabetes Prevention Program to GEriatric Populations (BRIDGE). This randomized control trial examines ways to increase access for older adults to support a healthy lifestyle, including eating habits, during pre-diabetes. The effectiveness and implementation of two delivery modes (virtual vs in person) of the CDC's Diabetes Prevention Program (DPP) will be adapted for older adults. Patients aged

65 years and above will be recruited from the NYU Langone patient population, primarily from our Internal Medicine Associates FGP at 41st Street, a first time partnership. Findings from this study will inform best practices in the delivery of an evidence-based intervention that has far reaching implications for the large proportion of 24+ million older adults in the US with prediabetes.


## Improving Obesity Treatment



**Melanie Jay, MD, MS** built her MOTIVATE (Managing Obesity Through InnoVATion and Effectiveness) Research Lab to find innovative and sustainable ways to address obesity and improve health outcomes and quality of life. She recently received a five year grant from the VA Health Services & Research Development Office to launch an intensive weight management program at the VA called "WOOP VA: Mental Contrasting with Implementation Intentions to Promote Weight Management in Primary Care."

This intervention uses a novel technique called Mental Contrasting with Implementation Intentions (MCII). The imagery technique teaches the practice called "WOOP" (Wish, Outcome, Obstacle, Plan) to promote weight loss and behavior change and increase engagement in MOVE!, an intensive weight management program at the VA. She and her team will use a randomized controlled trial approach to evaluate the efficacy of MCII.

Funded by the VA Office of Connected Care in 2021-2022, DGIMCI faculty lead 3 digital health research projects

 Since 2013 @MotivateLabNYU hosted > 100 undergrad/grad students, 33% URiM & 68% women. Mentors Sandra Wittleder, PhD & Stephanie Orstad, PhD, have grants from AHA and NIH K for health behavior change & obesity research.

The Office of Connected Care brings VA digital technology to Veterans and health care professionals, extending access to care beyond the traditional office visit.

- **Melanie Jay, MD, Anne Dembitzer, MD,** and Omar El Shahawy, MD, will study patient and physician factors associated with patient generated health data utilization to improve shared-decision making practices in weight management.
- **Anne Dembitzer, MD, Melanie Jay, MD** with **Sondra Zabar, MD,** created a VA national model for competency-based experiential training in digital health communication using announced standardized patients embedded in residents and faculty clinical practices.
- **Melanie Jay, MD** and Paul Krebs, PhD, evaluated the patient, provider, and system level factors associated with the uptake and impact of implementing synchronous, telehealth services in primary care during the COVID-19 pandemic.

## Expanding General Internal Medicine Research at Family Health Centers

Under the leadership of **Valy Fontil, MD**, Medical Director of Research, general internists are leading efforts to conduct important community-based research in Sunset Park, Brooklyn. **Elaine DeLeon, MD**, recent graduate of NYUGSOM internal medicine/primary care track residency, will conduct implementation science and health equity research, including evaluating her longitudinal curriculum on anti-racism for resident physicians. **Arielle Elmaleh-Sachs, MD** will be working alongside **Isaac Dapkins, MD**, on a two year HRSA funded grant to optimize the use of virtual care to improve access and clinical quality for underserved communities and vulnerable populations.

### Closing Gaps in Care with Single-Click Decision Support Tool

The Family Health Centers at NYU Langone (FHC) created an electronic health record Best Practice Alert (BPA) to trigger a clinical decision support process for clinicians to identify high-priority care gaps specific to that patient. Analysis of encounters over approximately one year showed that clinicians who used the tool were more likely to order a mammogram for their patient (71% vs 44%) and achieve higher test completion (32% vs 18%). In addition, clinicians using the tool were more likely to follow comprehensive diabetes care guidelines (e.g., ordering a hemoglobin A1c test- 90% vs 51%).

The project makes use of the electronic health record and information technology to optimize care – a great example of how technology can facilitate better patient outcomes.



## Internal Medicine Residents receive TULA/Saul Farber Grants

In support of furthering advances in medical research, health care and health equity, TULA Skin-care and the Saul Farber Program in Health Equity fund research grants for NYUGSOM residents who are dedicated to furthering research in health disparity populations.

### 2021 awardees

- **Elaine De Leon, MD, MHS** and **Blen Girmay, MD:** Teaching Anti-Racism: A Qualitative Evaluation of a Longitudinal Curriculum on Anti-Racism for Resident Physicians
- **Sam Dubin, MD** and **Gabrielle Mayer, MD:** Determining Gender Identity Clinical Data Best Practices for Transgender Populations through Participatory Action Research
- **Eric Kutscher, MD:** Understanding Anabolic Androgenic Steroid Use among Gay, Bisexual, and Queer Men

### 2022 awardees

- **Phillip Carlucci, MD:** Associations between APOL1 risk variants and single cell transcriptomics in Kidney Tissue from Patients of African Ancestry with Lupus Nephritis
- **Marcus Hines, MD, PhD:** Measuring the Impact of a First Year Medical Student Health Equity Curriculum on Behaviors during the Clerkship Year
- **Ixel Cervera, MD** and **Leora Aquino, MD:** Multi-lingual Videos to Improve Colonoscopy Preparation at the Sunset Park FHC
- **Moniyka Sachar, MD** and **Cristina Fernandez, MD, MPH:** Demographic and Socioeconomic Disparities in Healthcare Utilization among Patients with Gastroesophageal Reflux



## Medical Education Research

### Institution-Wide Performance-Based Assessment for Telemedicine Training

When the COVID-19 pandemic hit our city, health care institutions and professionals had to rapidly pivot to telemedicine. Medical educators, **Sondra Zabar, MD, Kathleen Hanley, MD, Lisa Altshuler, PhD, Daniel Sartori, MD, Colleen Gillespie, PhD** and **Anne Dembitzer, MD**, recognized that they needed to find a way to transfer core communication skills assessment to the virtual environment. Garnering experts across UME, GME and CME, they developed distinct performance-based assessments employing objective structured clinical exams, announced and unannounced standardized patients (actors portraying patients). Training was implemented across NYU Langone Brooklyn, Health+Hospitals Bellevue Hospital and Gouverneur, and the VA Medical Center to improve systems' telehealth care.

Over the past two years over 400 faculty, residents and students have completed either standardized patient encounters or participated in OSCEs at our simulation center (NYSIM). An impressive 87% of the clinicians reported that the encounter improved their understanding of telehealth best practices.

The culmination of our telehealth care training has demonstrated that standardized patient programs are dynamic and scalable. They can address emerging needs of health systems, assess the impact of on unexpected organizational shifts on clinic functioning, and identify disparities in care.

### Automated Assessment of Clinical Reasoning



Expanding upon her 2020 PrMEIR Innovations grant pilot, **Verity Schaye, MD, MHPE** and her research team, including **Jesse Burk-Rafel, MD**, **Yindalon Aphinyanaphongs, MD, PhD**, and **Daniel Sartori, MD**, developed a machine learning algorithm, *NoteSense*, for feedback on clinical reasoning documentation - essential to preventing diagnostic errors. With her 2022 NBME Stemmler award, *Development and Validation of Machine Learning (ML) Model for Automated Workplace-Based Assessment (WBA) of Resident Clinical Reasoning Documentation*, she will further develop and collect validity evidence for a ML model for automated WBA of resident clinical reasoning documentation and expand her work to another institution. This work will address key gaps in the field by creating a ML model in the real-world clinical context across wide ranging chief concerns and documentation behaviors.

### Integrative Sonography Course at NYU (I-SCAN)

I-SCAN is a longitudinal program, funded by the Goodman Family Foundation, designed to train faculty, fellows, and residents in point-of-care ultrasound (POCUS). Our 2022 cohort expanded to include neuro critical care, hepatology, pulmonary critical care, and general internists. Course co-directors, **Michael Janjigian, MD** and **Harald Sauthoff, MD**, created a modular-based training program to allow learners to choose which organ system they wish to master. This year, we partnered with **Jonathan Samuels, MD**, from rheumatology to introduce knee ultrasound into the curriculum.

Under the direction of **N. Caroline Srisarajivakul-Klein, MD**, historically, Internal Medicine (IM) residents begin their POCUS training at the start of their second year. As POCUS becomes an essential skill, NYU's IM residency leadership will now initiate training during the first year of residency. We have trained 220 residents and 305 faculty to date.

NYULH also has become a national leader in POCUS. We offer two New York Point-of-Care Ultrasound CME courses per year, each accommodating 30 learners who come from across the country. **Michael Janjigian, MD, N. Caroline Srisarajivakul-Klein, MD**, and **Aron Mednick, MD**, serve as faculty.



**Michael Janjigian, MD**, national expert on #POCUS. >200 faculty attended his academic "Great Debate", pitting POCUS vs physical exam @SHM annual meeting. The team has published in BMC Medical Education and @The Ultrasound Journal.

### Residents' Patient Care Activities Inform their Educational Experience

**Daniel Sartori, MD** and **David Rhee, MD**, developed and implemented a tool that maps principal ICD-10 discharge diagnosis codes to American Board of Internal Medicine (ABIM) content at the four training hospitals where our internal medicine residents train during the course of one academic year to characterize and compare clinical educational experiences.

They analyzed data from over 18,000 discharges handled by inpatient resident teams, capturing more than 95% of discharges. Infectious diseases and cardiovascular diseases were the most common clinical content areas at each site, representing almost 40 percent of residents' experience, whereas areas such as allergy/immunology, dermatology, obstetrics/gynecology, ophthalmology, otolaryngology/dental medicine were notably underrepresented (less than 1% at each site). There were significant differences in exposure to several core medicine content areas across sites, suggesting that residents experience distinct site-specific clinical content during their inpatient training. Putting his PrMEIR research into practice, Dr. Sartori and team changed the Brooklyn Internal Medicine residency curriculum to include a new case based hematology conference series and rotation on a dedicated hematology service at Tisch/Kimmel, ensuring a well-rounded educational experience.



## Defining the Next Era of Assessment in Medical Education

Challenged to define the next era in medical education assessment, **Sondra Zabar, MD, Marc Triola, MD,** and 20 medical education researchers from the US, Canada and The Netherlands gathered for a 2 day meeting co-sponsored by NBME and the Kern Institute for the Transformation of Medical Education. Group expertise ranged from artificial intelligence, natural language processing and advanced statistics to humanism and post-positivism.

Experts came to consensus around three key areas that will define the next era in assessment:

1. Greater accountability to the patient, where the patient is both the goal and co-producer of assessment
2. Flexible and dynamic assessment that responds to the learning needs of the individual learner and values collaboration and co-creation
3. A growth-oriented mindset that acknowledges the inherent trade-offs in any individual form of assessment, both existing and yet to be developed

Four main themes emerged from their recommendations: accountability, trust and power; implementation and contextualization; harnessing technology for assessment; and infrastructure for data sharing and open-source data. Dr. Zabar was on the planning committee and presented her work on Unannounced Standardized Patient as new methodology for assessing both the learner and the health system. Stay tuned for publications and more work to come in this critical area of medical education research.



As site leads, **Natalie Levy, MD, & Kathleen Hanley, MD** are enrolling **Bellevue and Gouverneur** patients in NIH funded **BETTER-BP** clinical trial that uses wireless monitoring and text messaging to promote antihypertensive medication adherence.

## Active Awards:

PI Name	Funder	Title	Funding Period	Full Award
Jeannette Beasley	NIH R01	BRinging the Diabetes Prevention Program to GERiatric Populations (BRIDGE)	9/1/2021 – 8/31/2026	\$4,232,819
Richard Greene	MED College of Wisconsin	NYU-UCSF Collaboratory to Advance URIM Faculty in Academic Medicine	7/1/2021 – 6/30-2023	\$199,998
	Josiah Macy Jr Foundation	Macy Faculty Scholars Program	9/1/2019-8/31/2023	\$280,000
Melanie Jay	VA HRSA	WOOP VA: Mental Contrasting With Implementation Intentions to Promote Weight Management in Primary Care	1/1/2021 – 12/31/2025	\$1,198,827
	NIH R01	Testing the Efficacy of a Technology-Assisted Weight Management Intervention within Patient-Centered Medical Homes: The Goals for Eating and Moving (GEM) Study	9/20/2016 – 8/31/2023	\$3,607,998
	VA Office of Connected Care (PIs: Dembitzer, Jay and El-Shahawy)	Maximizing the Value of Sharing PGHD with HealthCare Providers in the Setting of Weight Management at the Veterans Administration	1/1/2022 – 9/30/2023	\$235,000
Allen Keller	Langeloth Foundation	Protecting and Promoting the Health and Human Rights of Detained Immigrants	1/1/2018 – 12/31/2022	\$150,000
Joshua Lee	Health Resources and Services Administration	NYU Addiction Medicine Fellowship Expansion: Growing the Addiction Medicine Workforce for the Medically Underserved	7/1/2020 – 6/30/2025	\$3,000,001
Stephanie Orstad	CTSA KL2	Culturally Tailoring a Green Physical Activity Intervention for Weight Loss Maintenance to Low-Income Primary Care Patients	01/01/2021 – 12/31/2022	\$180,000
Verity Schaye	Stemmler	Development and Validation of Machine Learning Model for Automated Workplace-Based Assessment of Resident Clinical Reasoning Documentation	7/1/2022 – 6/3/2024	\$150,000
Sandra Wittleder	AHA	A Food Response and Attention Training to Improve Dietary Intake and Weight Loss for Racially/Ethnically Diverse Patients with Obesity and Elevated Cardiovascular Disease Risk	5/1/2021 – 4/30/2023	\$144,736
Sondra Zabar	NYU- Clinical and Translational Science Institute	Step-MDP	1/1/2021 – 12/31/2022	\$80,000
	MED College of Wisconsin	Becoming a Physician: Understanding Professional Identity Formation	1/01/2020 – 12/31/2023	\$390,312
	Josiah Macy Jr Foundation – Sub with MCW	Forming a consortium to assess, prepare, and support the transition-to-internship	1/1/2021 – 12/31/2024	\$67,400

## Collaborative Grants and Faculty-Initiated Projects:

Department of Neurology	
Elina Zakin, <b>Sondra Zabar</b>	Facing the Challenges of Chief Year: A standardized experiential simulation curriculum
Department of Population Health	
Joshua D. Lee, <b>Barbara Porter, Sapana Shah</b>	Addressing the U.S. Opioid Epidemic in Incarcerated Adults: Long-Acting Buprenorphine vs. Naltrexone Opioid Treatments in Criminal Justice System-Involved Adults
Joshua Lee, <b>Caitlin Driscoll</b>	Long-acting buprenorphine vs. naltrexone for opioid use disorder among criminal justice system involved adults
<b>Rajesh Vedanthan, Amanda Klinger, Sondra Zabar</b>	Academic Model Providing Access to Healthcare (AMPATH) Consortium Ghana
Lorna Thorpe, Brian Elbel, <b>Stephanie Orstad</b>	Component A: Impact of Community Factors on Geographic Disparities in Diabetes and Obesity Nationwide
Nadia Islam, <b>Jeannette Beasley</b>	Understanding health disparities in Pakistani, Bangladeshi and Asian Indian immigrants: the role of socio-cultural context, acculturation and resilience resources
Department of Population Health and NYU College of Global Public Health	
Lorna Thorpe, Natasha Williams, Donna Shelley, <b>Andrew Wallach</b>	NYC Public Housing Residents COVID-19 Response (NYCHA RCR): A Supplement to Evaluation of Smoke-Free Housing Policy Impacts on Tobacco Smoke Exposure and Health Outcomes
Department of Population Health and Perlmutter Cancer Center	
Ophira Ginsburg, <b>Jeannette Beasley, Eric Goldberg</b>	BRIDGE (Broadening the Reach, Impact, and Delivery of Genetic Services) Study
Stacy Loeb, <b>Stephanie Orstad</b>	Prostate Cancer Research Grants for National Cancer Institute-Designated Cancer Centers Located in New York State
Department of Population Health and Division of Cardiology	
Stuart Katz, Rachel Gross, Leora Horwitz, <b>Jeannette Beasley</b>	Post-Acute Sequelae of SARS-CoV-2 Infection Initiative: NYU Langone Health Clinical Science Core, Data Resource Core, and PASC Biorepository Core
Department of Psychiatry	
John Rotrosen, <b>Mathew Kladney, Alexandra Goodwin</b>	Optimizing Pharmacotherapy Strategies for Opioid Use Disorder: Individual Level Predictive Modeling of Opioid Use Disorder Treatment Outcome
Division of Cardiology	
John A. Dodson, <b>Natalie Levy, Kathleen Hanley</b>	BETTER-BP (Behavioral Economics Trial to Enhance Regulation of Blood Pressure)
Jeffrey S. Berger, <b>Natalie Levy</b>	CHORD: CHOLEsterol Lowering and Residual Risk in Type 2 Diabetes
Jonathan Newman, <b>Natalie Levy</b>	EMERALD-D Arsenic, Disordered Glucose Homeostasis and Atherosclerosis
Division of Geriatrics	
Joshua Chodosh, <b>Lisa Altshuler, Sondra Zabar</b>	Engagement in Longevity and Medicine (ELM) Research Collaborative
Division of Hospital Medicine	
Marwa Moussa, <b>Daniel Sartori, Rachael Winchester-Hayes</b>	Post-Discharge Clinic at the NYULH Family Health Center
Kevin Eaton, Kevin Hauck, Katherine Hochman, <b>Eric Goldberg, MD</b>	Telehealth Training in Transitions of Care Management
Saul Blecker, <b>Eric Goldberg</b>	Addressing antihypertensive medication adherence through EHR-enabled teamlets in primary care
Division of Infectious Diseases	
<b>Robert Pitts</b>	Assessing facilitators and barriers to care for PrEP among heterosexual men seeking care at H+H/Bellevue Implementation of long acting PrEP at H+H/Bellevue (EquiPrEP)
<b>Robert Pitts, Melinda Katz</b>	Expanding Pre-Exposure Prophylaxis (PrEP) by Embedding SNAPS Navigators in High Sexually Transmitted Infection (STI) Testing Clinical Sites
Division of Pulmonary, Critical Care & Sleep Medicine	
Mark Adelman, <b>Lisa Altshuler</b>	Virtual Reality Simulation Training for the Management of Tracheostomy Emergencies
Office of Graduate Medical Education	
<b>Daniel Sartori, Rachael Hayes, Margaret Horlick, Jennifer Adams, Sondra Zabar</b>	The TeleHealth OSCE: Preparing Trainees to Use Telemedicine as a Tool for Transitions of Care

## Program for Medical Education Innovations and Research (PrMEIR)



PrMEIR, led by **Drs. Sondra Zabar, Colleen Gillespie** and **Lisa Altshuler**, brings together highly skilled clinicians, educators, psychologists, and biostatisticians to advance medical education scholarship and institute best practices to support patient-centered, evidence-based medical education. PrMEIR's mission of strengthening the links between healthcare professionals' training and patient health and safety has not been placed on pause during the COVID pandemic and we continue to focus on educational innovation grants, faculty development and research on medical education outcome.

### Research on Medical Education Outcomes (ROME) Unit

An interdisciplinary team of physicians, nurses, researchers, educators, and psychologists conducts research on medical education outcomes. ROME created the longitudinal Database for Research on Academic Medicine (DREAM) to collect assessment and performance data from medical students, residents, fellows, and practicing physicians and integrate this information across the continuum of lifelong learning. Researchers have access to DREAM to study relationships between medical education, residency, and fellowship programs and patient outcomes. With data collected from 10+ years, DREAM holds great promise for overcoming challenges that limit the development of evidence-based medical education and training programs.

**Sondra Zabar, MD, Coleen Gillespie, PhD, Lisa Altshuler, PhD** and **Verity Schaye, MD, MHPE** are collaborating with **Tavinder Ark, PhD** and **Adina Kalet, MD** of the Kern Institute for the Transformation of Medical Education, to analyze core communication skills and better understand learning patterns and trajectories.

Core projects include an in-depth exploration of skill development in medical students and residents; identification of learner profiles; impact of 10 years of unannounced standardized patient data exploring the clinical microsystem on resident communication and care quality; and use of natural language processing-based techniques for grading notes and professional identity essays. Clinical communication skills data from 1171 third year medical students across 9 cohorts (2011-2019) were analyzed to identify unique learner profiles based on high, average, and low performance levels. Outcomes will contribute to a redevelopment of curriculum for trainees.

Conference abstracts and oral presentations have been presented at annual meetings of the Society for General Internal Medicine, Association for Medical Education in Europe, Association for American Medical Colleges, and NYU Grossman School of Medicine's research day, including:

- Understanding the development of communication skills expertise over 4 years of medical schools: does early assessment of communication predict future communication skills?
- Understanding medical student paths to communication skills expertise using Latent Profile Analysis
- The influence of the clinical microsystem on residents' communication skills during clinical practice.



PrMEIR faculty mentored 6 undergraduate Summer Scholars conducting medical education research.



### Murray J. Berenson Distinguished Scholar Program



The Berenson Program provides medical students, residents, fellows, and faculty with the opportunity to engage with leading experts in the field of physician–patient communication. This year we welcomed Professor Daniel Schumacher, MD, PhD, from Cincinnati Children’s Hospital Medical Center (CCHMC), co-director of the CCHMC Education Research Unit and Education Research Scholars Program. He connected with more than 150 faculty, residents and students during his Department of Medicine grand rounds entitled “The Next Era of Medical Education Assessment – Defining the Future of Patient-Focused Assessment.” Meet the professor research round table on education assessment and a faculty development workshop entitled “Tailoring Trust and Supervision to Individual Trainees.”

### PrMEIR Innovations Grants

PrMEIR Innovations Grants provide seed funding and technical assistance to the medical education research community at NYULH. The 2022-2023 theme is: **Improving Health Equity Education: Advancing Assessment to Inform Curriculum, Evaluate Interventions, Ensure Competence and Capture Impact.** Below are the 5 funded 2022 projects.

#### The Murray J. Berenson, MD Grant In Medical Education Research Sponsored Projects:

- The Equity Pause: A Needs Assessment Exploring its Meaningfulness in a Pediatric Resident as Teacher Curriculum  
PIs: **Heather Howell, MD, Chanelle Coble-Sadaphal, MD, and Caroline Paul, MD**  
Department of Pediatrics
- Curriculum Development to Assess Weight Bias and Clinical Skills in Weight Management in Primary Care Residents  
PIs: **Holly Lofton, MD and Shanna Tucker, MD,** Department of Medicine and Surgery (Pilot grant)

#### The Anthony J. Grieco, MD Grant In Medical Education Research Sponsored Projects

- Performance-Based Assessment: Developing and Validating a Standardized Assessment Tool for OSCE Performance on Social Determinants of Health  
PIs: **Magdalena Robak, MD, Verity Schaye, MD, MPHE, and Richard Greene, MD, MPHE**  
Department of Emergency Medicine and Medicine
- Social Isolation Screening to Advance Health Equity  
PIs: **Katherine Chebly, MD and Michael Shen, MD** (Pilot Grant) Department of Medicine
- Assessing Patients Perceptions And Increasing Screening Education (APPRAISE) for Discrimination in Healthcare  
PIs: **Amy Sevick, RN, MS, FNP-BC, ACHPN, Megan Rau, MD, MPH, Arpit Arora, MD and Jennifer Scherer, MD** Department of Medicine (Pilot Grant)

PrMEIR has a national reputation for medical education outcomes research, innovative use of standardized patients, and development of performance-based assessments in medical training programs. The programs below represent some of this work.

### Preparing Students with “Night-on-Call” Simulation

Funded by a 2021 Josiah Macy Jr. Foundation grant, Principal Investigators **Sondra Zabar, MD** and **Adina Kalet, MD,** are building a consortium of seven medical schools to adapt and study the immersive Night-on-Call (NOC) multi-station simulation where learners participate in a night on call experience, while interacting with standardized assessors. Learners are assessed on all 13 Entrustable Professional Activities, supporting the transition to internship for near-graduating medical students and now include both in-person and virtual versions. The consortium includes NYU Grossman School of Medicine, NYU Long Island School of Medicine, Medical College of Wisconsin – Central Wisconsin, Medical College of Wisconsin – Green Bay, Texas Tech University Health Sciences Center – El Paso, Washington State University Elson S. Floyd College of Medicine and City University of New York (CUNY) School of Medicine. A symposium is planned for October 2022 to discuss the findings and impact from 600 participating students.

### Understanding Professional Identity Formation



Professional identity formation (PIF) is a critical part of medical education. **Lisa Altshuler, PhD** and the UME Professional Identity Formation (PIF) Committee, led by **Lynn Buckvar-Keltz, MD,** created a longitudinal professional development curriculum for NYUGSOM students. One aspect includes a reflective writing exercise, the Professional Identity Essay (PIE), at 3 time points to assess professional identity development. The PIE consists of written responses to nine prompts designed to elicit what students understand to be expectations from themselves, the profession, and society, as well as potential challenges in meeting these expectations.

Beginning with the Class of 2019, a total of 1713 PIEs have been conducted and analyzed. Several key findings were:

- Students commonly express mental health as an anticipated challenge
- They aspire to build resilience, yet they enter medical school with little experience of failure
- Students rarely identify their colleagues as a source of advice and support
- While students recognize the importance of self-care, there is less certainty around incorporating it into a busy schedule

The findings help to identify medical education priorities specific to the early years of medical school. One recommendation is to actively build peer support and community to cultivate resilient physicians.

Findings were presented at the 2022 Society of General Medicine Annual Meeting and will be presented at the Annual Meeting of the Association for Medical Education in Europe (AMEE) 2022.

## Leading Health Equity Efforts

Our faculty are health care leaders committed to preparing the next generation of generalists to impact the future of health care. As role models, they champion health equity, research, and policy.



**Richard Greene, MD, MHPE** serves as the Director, Health Equity Education for NYU Grossman School of Medicine. His transgender and LGBTQ+ OSCEs have become a standard part of the training for our medical students, residents and faculty with over 600 learners since the inception of these OSCEs.



**Yinan Lan, MD** is the Homeless Health Medical Director for Health + Hospitals in the ambulatory care model team and Director of NYC H+H /Bellevue's Safety Net Clinic that cares for patients with unstable housing. The clinic features intensive primary care, dedicated care coordination, and collaboration with community-based organizations.



**Safety Net Clinic serves 700 patients since 2018. ≥ one visit in 6-months leads to ↓57% ER visits & ↓67% inpatient stays, within 1-year of their visit. Clinic placed 37 patients in perm. housing from 9/2019-6/2021 and is expanding to street medicine through H+H's SHOW (Street Health Outreach & Wellness) van.**



NYU Langone's Institute for Excellence in Health Equity is led by **Olugbenga G. Ogedegbe, MD, MPH**. A general internist, Dr. Ogedegbe is an internationally renowned physician-scientist and expert in health equity research with a focus on implementing evidence-based interventions targeted at cardiovascular risk reduction in minority populations.



**Joseph Ravenell, MD**, is a general internist and Associate Dean of Diversity and Inclusion for NYULH. He has been a principal investigator for several federal grants focusing on colon cancer screening and cardiovascular disease prevention among Black men in urban settings. He now leads the Beatrice W. Walters Breast Health Outreach and Navigation Program which educates women of color about breast cancer and the critical importance of screening.



Since his NYUGSOM residency, **Christian Torres, MD**, has been actively involved in DIMOND, the Department of Internal Medicine's Organization for Nurturing Diversity. His recent appointment as its Director demonstrates his leadership role in growing the underrepresented in medicine (URiM) community at NYULH. He also serves as the Faculty Director for Diversity Training and Housestaff Mentoring.

### Advancing Underrepresented in Medicine (URiM) Faculty in Academic Medicine

**Richard Greene, MD, MHPE, Joseph Ravenell, MD** and colleagues from UCSF received one of seven Kern Institute Medical Education Transformation Collaboratory grants that represent cross-institutional, multi-disciplinary, stakeholder collaborative groups seeking to transform medical education.

The goal of this project is to implement a novel theory-based Faculty Leadership Development

Program (FLDP) for junior URiM faculty. There is an urgent need to cultivate the talent and expertise of URiM faculty in order to meet the critical needs of patients and learners.

The FLDP was designed using a number of learning theories, including racial and professional identity development. To combat isolation and burnout in a predominantly non-URiM institution, the FLDP serves as a place of connection and community building across departments. Additionally, the program addresses the devaluation of race-conscious professionalism and experiences of discrimination in academic medicine.

One of the critical benefits of the program is the exposure to senior institutional leaders. Initial findings show that it is essential for URiM faculty to build social connections across departments, develop skills in change management and find mentors and institutional sponsors to support advancement into leadership positions.

## Shaping Evidenced-Based Clinical Practice

### The Internist's Salon Series

In September 2021, we launched The Internist's Salon Series, under the leadership of **Milna Rufin, MD**. The goal is to provide DGIMCI faculty from NYULH's diverse clinical sites with a space to learn and connect.

This year's series included

- Weight management for the Internist with **Shanna Tucker, MD**
- Clinical Practice Updates in Diabetes Management with **Natalie Levy, MD**
- Pandemic Mental Health for the Internist with **Stephanie Schmitz, MD**
- Clinical Practice Updates in Osteoporosis Care with **Ann Garment, MD**
- Case Conference by **Robert Pitts, MD** on PrEP-ing the Internist
- Journal club: Updates in Non-alcoholic Fatty Liver Disease Screening led by **Milna Rufin, MD** and **Christian Torres, MD**
- Transgender and Non-Binary Health with **Richard Greene, MD, MHPE** and **Asa Radix, MD, MPH, PhD**

**THE INTERNIST'S SALON SERIES**  
Division of General Internal Medicine and Clinical Innovation

**Clinical Reasoning Expert Panel**

**Mitchell Charap, MD, FACP**  
The Edward and Vivian Merrin Professor of Clinical Medicine

**Kathleen Hanley, MD**  
Associate Professor of Medicine

**David Wei, MD**  
Assistant Professor of Medicine

**The Case Presenters**

**The HiveMind**  
Tuesday, May 24, 2022  
8-9am

**Milna Rufin, MD**  
Clinical Assistant Professor of Medicine

**Masha Slavin, MD**  
Clinical Assistant Professor of Medicine

We finished off the academic year with a HiveMind conference on diagnostic dilemmas presented by **Drs. Rufin and Masha Slavin**, featuring a panel of clinical reasoning experts, **Mitchell Charap, MD, FACP, Kathleen Hanley, MD, and David Wei, MD.**

With over 40 participants at each Salon from across our institution, this series achieved its multi-pronged objective to encourage a culture of clinical inquiry rooted in evidence-based medicine, provide faculty an opportunity to stay up-to-date on recent literature and societies' clinical practice guidelines, encourage multidisciplinary discourse and build community across NYU clinical sites.



## Managing Transitions of Care

The transition from hospital discharge to the community is a vulnerable period for patients that can result in adverse health outcomes and preventable hospital readmissions. Division of Hospital Medicine and DGIMCI faculty **Kevin Eaton, MD, Kevin Hauck, MD, Daniel Sartori, MD, Rachael Hayes, MD, and Eric Goldberg MD** collaborated and launched two Transition of Care Management (TCM) programs. One at NYULH – Brooklyn, an urban safety net academic hospital, where the TCM clinic is run by our NYUGSOM residents in the Family Health Center and one at NYULH Tisch/Kimmel, where hospitalists conduct post-discharge virtual visits.

At Brooklyn, patients who completed their TCM visit had a 40% decrease in 30-day readmission compared to patients who did not complete their TCM visit, and patients who completed TCM visits were far more likely to be engaged in primary care follow-up at the Family Health Centers at NYU Langone clinics. A new Transitions of Care rotation for residents at NYU-Brooklyn will be piloted this year, which will create new clinical-educational experiences at the point of this transition, exposing them to unique resources and skills to make this transition even safer.

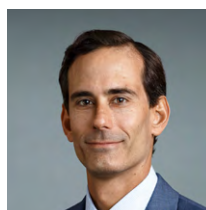
At Tisch Kimmel the TCM program has dedicated staff to ensure appointments, staff education on TCM requirements, and a concerted effort to educate patients on the benefits of a TCM visit post discharge has resulted in improved patient satisfaction scores, a 40% increase in patients continuing their care with NYULH physicians post discharge and a 12% decrease in 30 day readmissions.

## Fostering the Next Generation of General Internists

### Merrin Master Clinician Fellowship

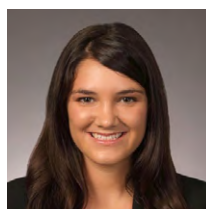


Having recently retired from 40 years of direct clinical care, **Mitchell Charap, MD, FACP**, is focusing his efforts on medical education. Dr. Charap is the Co-Director of the Merrin Master Clinician Fellowship and preceptor for the newly established IMA Resident Clinic.



The two-year Merrin Master Clinician Fellowship advances medical education scholarship and institutes best practices for patient-centered, evidence based medical education. Co-directed by **Michael Janjigian, MD**, the Merrin Fellowship trains physician educators who are recognized for their potential as inspiring teachers and leaders. Fellows design and carry out individual programs and hone their skills by apprenticing with locally and nationally

recognized Master Clinicians. Twenty-nine fellows have graduated from the program. This year's graduates focused their efforts on vulnerable patient populations:



**Alexandra Goodwin, MD** focused her fellowship on improving education about vulnerable patients, specifically those with a history of incarceration and experiencing homelessness. She helped develop and implement a Vulnerable Population ECHO (Extension for Community Healthcare Outcomes) Program for NYC Health+Hospitals. ECHO® is an educational model to exponentially increase workforce capacity to improve access to best-practice care and reduce health disparities. This ECHO program became an essential teaching tool

during the COVID pandemic with close to 80 interdisciplinary attendees per session. Participants reported improved understanding of resources available, increased confidence with clinical subject matter and that the ECHO helped build a sense of professional community.

Dr. Goodwin also designed a curriculum about trauma-informed care for people who are in custody and/or have a history of incarceration for NYU residents, many of whom have not cared for this patient population. She has presented her work nationally at the 2022 Society for General Internal Medicine Annual Meeting.



**Mathew Kladney, MD**, developed a bedside teaching curriculum for learners who care for patients suffering from substance use disorders. With colleagues from other institutions and the State Department of Health, they created a statewide 1-hour x-waver training in buprenorphine prescribing. The trainings were tailored to multiple specialties to engage all health care professionals in prescribing buprenorphine regardless of their specialty.

He conducted the training for Bellevue hospitalists with the goal of increasing prescribing buprenorphine upon discharge for patients with substance use disorder. Dr. Kladney presented a workshop nationally at the 2022 Society for General Internal Medicine Annual Meeting.



**Carl Drake, MD is pursuing an MHPE degree as part of her Merrin Fellowship. Her thesis title is "Predicting Clinical Performance: Comparing the Explicit and the Experiential Curriculum in Residency Training."**

### Establishing a Resident Practice at Internal Medicine Associates

The Internal Medicine Associates (IMA) at 41st Street welcomed its first cohort of nine residents. These residents will establish a continuity panel and learn to provide evidence-based, primary care under the tutelage of primary care faculty, many of whom are leaders in undergraduate and graduate medical education at NYUGSOM.

Residents and faculty share interesting cases in a community blog, moderated by **Milna Rufin, MD**. The resident practice aims to broaden residents' exposure to healthcare delivery systems and subspecialty ambulatory teams, including renal and liver transplants, complex cardiac issues, and post-acute sequelae of COVID.

Preceptors for the IMA Resident Practice include:

- Milna Rufin, MD (Resident Clinic Site Director)
- Mitchell Charap, MD
- Patrick Cocks, MD
- Eric Goldberg, MD
- Jacqueline Heath, MD
- David Kudlowitz, MD
- Amy Lau, MD
- Michael Perskin, MD
- Shanna Tucker, MD

### Expanding the Internal Medicine Residency to serve Brooklyn FQHC

Carole Johnson, Administrator of the Health Resources and Service Administration (HRSA) visited the Family Health Center at NYU Langone's Sunset Terrace site to announce new investments in primary care training grants to Federally Qualified Health Centers across the country. With this recent funding, the Brooklyn residency will expand to 36 residents over the next 3 years.



Led by Program Director **Rachael W. Hayes, MD**, the program's emphasis is on increasing equity and access for patients within Sunset Park. The new grant also allows residents to engage with the community in meaningful ways through collaboration with community-based organizations, community-based research and increased attention to transitions in care. The expanded residency program will train more high quality primary care physicians to work in medically underserved areas.

### Teaching Empathy as a Way to Achieve Health Equity

The Empathy Project brings together leaders in medicine, education, entertainment, and technology to promote empathy in medicine. They have created 10 films and vignettes used for teaching core empathy skills. This last year focused on the creation and implementation of a new animated film, *The Elephant in the Waiting Room*, which explores the use of empathy to address bias within the medical arena.



Under the leadership of **Jennifer Adams, MD**, in partnership with Jonathon LaPook, MD (founder), Maura Minsky, **Cristina Gonzalez, MD**, and leaders in medicine, education, entertainment, and technology, the NYU Empathy Project developed an innovative, robust curriculum of four workshops to complement the film. To date, over 400 medical students including the entire NYUGSOM first and third year and half of the fourth-year medical school class as well as the entire first year class at Albert Einstein College of Medicine, have completed the workshop. The workshops were adapted for NYULH Internal Medicine Residents, NYUL Brooklyn's Hospitalists and

Nursing Leadership. The workshop was presented at the 2022 AAMC GDI conference and the 2022 Society of General Internal Medicine Annual Meeting. The team also presented the film and a panel about its creation at the 2022 Aspen Institute's Health Ideas Conference.

### Addiction Medicine Fellowship Inaugural Graduates

- **Diana Lee, MD**
- **Caitlin Driscoll, MD**
- **Jeffrey Wunderlich, MD**

These physicians spent a year rotating through the inpatient services and community-based clinics across our institution. Drs. Lee and Driscoll will be staying on with NYULH. Dr. Lee will take on the leadership role of Associate Program Director for the HRSA funded Addiction Medicine Fellowship at the FHC and Dr. Driscoll will traverse the roles of hospitalist and ambulatory care physician as a Bellevue Hybrid.



### Faculty Leadership Impacts the Future of Health Care

- **Verity Schaye, MD, MHPE**, Assistant Dean of Medical Education for the Clinical Sciences and Director of Clinical Skills Integration
- **Kelly Crotty, MD**, Co-Director of the Foundational Clinical Skills module
- **David Kudlowitz, MD**, Co-Director of the Foundational Clinical Skills module
- **Rachael W. Hayes, MD**, Program Director for the Family Health Center Internal Medicine Residency Program
- **Caren Behar, MD**, host of SiriusXM Doctor Radio's weekly Women's Health Show
- **Isaac Dapkins, MD**, Chair of the Community Health Center Association of New York (CHCANYS) clinical committee.
- **Ann Garment, MD, FACP**, Chair of ACP's Scientific Planning Committee of the 2024 National Meeting
- **Alexandra Goodwin, MD**, inducted into the Gold Humanism Honor Society
- **Eric Goldberg, MD**, NYS Regional American College of Physicians' Health and Public Policy and Health Information Technology committees
- **Shivam Joshi, MD**, 2021 National Kidney Foundation Kopple Award
- **David Kudlowitz, MD**, 2022-23 Fellow in Diagnostic Excellence, Society to Improve Diagnosis in Medicine
- **Yinan Lan, MD**, inducted into the Gold Humanism Honor Society
- **Barron Lerner, MD**, President of the American Association for the History of Medicine
- **Patrick Li, MD**, first NYU Langone Hospital - Brooklyn resident to be named a 2020-2021 Rudin Medical Ethics and Humanities Fellow
- **Michelle McMacken, MD, FACP, DipABLM**, Executive Director of Nutrition and Lifestyle Medicine for NYC Health + Hospitals
- **Danielle Ofri, MD**, Arnold P. Gold Foundation 2022 National Humanism in Medicine Medal
- **Robert Pitts, MD**, Bloomberg American Health Initiative Fellow at the Johns Hopkins School of Public Health.
- **Christian Torres, MD**, inaugural cohort of the Faculty Leadership Development Program for underrepresented in medicine faculty
- **Shanna Tucker, MD**, Diversity Scholar with the Nutrition Obesity Research Center at Harvard Medical School
- **Andrew Wallach, MD, FACP**, University of North Carolina School of Medicine Distinguished Medical Alumni Award, Community Category



**Sondra Zabar, MD** received @SocietyGIM 2022 National Career Achievements in Medical Education Award for lifetime contributions to #MedEd innovation & research. Champion of Standardized Patients for Assessment.

### Faculty Promotions

- **Jennifer Adams, MD**, Associate Professor
- **Douglas Bails, MD**, Clinical Professor
- **Alessandra Calvo-Friedman, MD**, Assistant Professor
- **Ann Garment, MD**, Clinical Associate Professor
- **Celine Gounder, MD**, Clinical Associate Professor
- **Rachael Hayes, MD**, Assistant Professor
- **Margaret Horlick, MD**, Associate Professor
- **Mathew Kladney, MD**, Assistant Professor
- **Michelle McMacken, MD**, Associate Professor
- **Barbara Porter, MD**, Associate Professor
- **Margarita Rohr, MD**, Clinical Assistant Professor
- **Verity Schaye, MD**, Associate Professor
- **Joseph Vetrano, MD**, Clinical Associate Professor
- **Peggy Yih, MD**, Clinical Associate Professor





## Selected Publications

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Godbole N, Kwon SC, **Beasley JM**, Roberts T, Kranick J, Smilowitz J, Park A, **Sherman SE**, Trinh-Shevrin C, Chodosh J. Assessing equitable inclusion of underrepresented older adults in Alzheimer's disease, related cognitive disorders, and aging-related research: a scoping review. *Gerontologist*. 2022 April 26.

**Sartori DJ**, Lakdawala V, **Levitt HB**, Sherwin JA, Testa PA, **Zabar SR**. Standardizing quality of virtual urgent care: using standardized patients in a unique experiential onboarding program. *MedEdPORTAL*. 2022;18:11244.

**Wittleder S, Jay M**. Increasing motivation for lifestyle change is not enough to treat obesity. *Annals of Internal Medicine*. June 2022.

**Janjigian M, Dembitzer A, Srisarajivakul-Klein NC, Mednick A, Hardower K, Cooke D, Zabar SR**, Sauthoff H. Design and comparison of a hybrid to a traditional in-person point-of-care ultrasound course. *Ultrasound journal*. 2022;14(1).

**Wilhite JA, Altshuler L, Fisher H, Gillespie C, Hanley K, Goldberg E, Wallach A, Zabar SR**. The telemedicine takeover: lessons learned during an emerging pandemic. *Telemedicine journal & e-health*. 2022;28(3):353-361.

Rhee DW, Chun JW, **Stern DT, Sartori DJ**. Experience and education in residency training: capturing the resident experience by mapping clinical data. *Academic medicine*. February 2022, vol. 97(2), 228-232.

Hauser ME, **McMacken M**, Lim A, Shetty P. Nutrition—an evidence-based, practical approach to chronic disease prevention and treatment. *The Journal of Family Practice*. 2022 Jan;71(Suppl 1 Lifestyle):S5-S16.

Leong SL, **Gillespie C**, Jones B, Fancher T, Coe CL, Dodson L, Hunsaker M, Thompson, BM, Dempsey A, Pallay R, Crump W, Cangiarella J. Accelerated 3-Year MD Pathway Programs: Graduates' Perspectives on Education Quality, the Learning Environment, Residency Readiness, Debt, Burnout, and Career Plans. *Academic Medicine*. 2022 Feb 1;97(2):254-261.

**Beasley J**, Ho JC, Conderino S, Thorpe LE, Shah M, Gujral UP, Zanolowiak J, Islam N. Diabetes and hypertension among South Asians in New York and Atlanta leveraging hospital electronic health records. *Diabetology & metabolic syndrome*. 13, 146 (2021).

Madad S, Davis NJ, **Adams A**, Rosenstock P, Dhagat P, Kalyanaraman MR. Building confidence in COVID-19 vaccines through effective communication. *Health Security*. 2022 Jan-Feb;20(1):92-95.

**Knudsen J, Chokshi DA**. Covid-19 and the safety net — moving from straining to sustaining. *New England Journal of Medicine*. 2021 Dec 9;385(24):2209-2211.

Jaspan V, **Schaye V**, Parsons AS, **Kudlowitz D**. Lessons in clinical reasoning - pitfalls, myths and pearls: a case of recurrent pancreatitis. *Diagnosis (Berl)*. 2021 Dec 7;9(2):288-293.

**Merriwether EN, Wittleder S**, Cho G, Bogan E, Thomas R, Bostwick N, Wang B, Ravenell J, Jay M. Racial and weight discrimination associations with pain intensity and pain interference in an ethnically diverse sample of adults with obesity: a baseline analysis of the clustered randomized-controlled clinical trial the goals for eating and moving (GEM) study. *BMC Public Health*. 21, 2201 (2021).

**Kalet A**, Ark TK, Monson V, Song HS, **Buckvar-Keltz L**, Harnik V, Yingling S, Rivera R, Tewksbury L, **Lusk P, Crowe R**. Does a measure of medical professional identity formation predict communication skills performance? *Patient education & counseling*. 2021;104(12):3045-3052.

**Tanner M**. In high-risk persons, lung cancer screening with CT vs. no or CXR screening reduces lung cancer mortality. *Annals of internal medicine*. 2021;174(11).

**Beasley JM**, Yi S, Lee M, Park A, Thorpe LE, Kwon SC, Rummo P. Adaptation of a dietary screener for Asian Americans. *Health promotion practice*. August 2021.

**Lee JD**, Malone M, McDonald R, Cheng A, Vasudevan K, **Tofighi B, Garment A, Porter B**, Goldfeld KS, Matteo M, Mangat J, Katyal M, Giftos J, **MacDonald R**. Comparison of treatment retention of adults with opioid addiction managed with extended-release buprenorphine vs daily sublingual buprenorphine-naloxone at time of release from jail. *JAMA Network Open*. 2021 Sep 1;4(9):e2123032.

Howell HB, Desai PV, **Altshuler L**, McGrath M, Ramsey R, Vrablik L, Levy FH, **Zabar S**. Teaching and assessing communication skills in pediatric residents: how do parents think we are doing? *Academic pediatrics*. 2021 Jun 27:S1876-2859.

**Tucker S**, Bramante C, Conroy M, Fitch A, Gilden A, **Wittleder S, Jay M**. The most undertreated chronic disease: addressing obesity in primary care settings. *Current Obesity Reports*. 10, 396–408 (2021).

**Gillespie C, Wilhite JA, Hanley K, Hardowar K, Altshuler L, Fisher H, Porter B, Wallach A, Zabar S**. Addressing social determinants of health in primary care: a quasi-experimental study using unannounced standardized patients to evaluate the impact of audit/feedback on physicians' rates of identifying and responding to social needs. *BMJ quality & safety*. 2022 May 27:bmjqs-2021-013904.

**Eliasz KL**, Nick MW, **Zabar S, Buckvar-Keltz L**, Ng GM, Riles TS, **Kalet AL**. Viewing readiness-for-residency through binoculars: mapping competency-based assessments to the AAMC's 13 core entrustable professional activities (EPAS). *Teaching & Learning in medicine*. 2022 Jun 6:1-6.

**Wilhite JA, Zabar S, Gillespie C, Hauck K, Horlick M, Greene RE, Hanley K, Adams J**. "I don't trust it": use of a routine OSCE to identify core communication skills required for counseling a vaccine-hesitant patient. *Journal of General Internal Medicine*. 2022 Jul;37(9):2330-2334.



## Leadership and Clinical Sites

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### Sondra R. Zabar, MD

Professor, Department of Medicine  
Director, Division of General Internal Medicine and Clinical Innovation  
Director, Standardized Patient Program

### Jennifer G. Adams, MD

Associate Professor, Department of Medicine  
Director, Primary Care Internal Medicine Residency Program

### Isaac Dapkins, MD

Clinical Associate Professor, Departments of Population Health and Medicine  
Chief Medical Officer, Family Health Centers at NYU Langone Health

### Ann R. Garment, MD

Clinical Associate Professor, Department of Medicine  
Section Chief, Division of General Internal Medicine and Clinical Innovation, NYC H+H/ Bellevue  
Medical Director, Primary Care Addiction Medicine Clinic, NYC H+H/ Bellevue  
Co-Director, Addiction Medicine Fellowship Program

### Eric R. Goldberg, MD

Clinical Associate Professor, Department of Medicine  
Section Chief, Division of General Internal Medicine and Clinical Innovation, Tisch/ Kimmel,  
Senior Medical Director, Department of Medicine Faculty Group Practices  
Medical Director, NYU Langone Internal Medicine Associates

### Kathleen Hanley, MD

Associate Professor, Department of Medicine  
Associate Director, Department of Medicine, NYC H+H/ Gotham Health Gouverneur  
Associate Director, Primary Care Internal Medicine Residency Program

### Melanie Jay, MD, MS

Associate Professor, Departments of Medicine and Population Health  
Co-Director, NYU Langone Comprehensive Program on Obesity  
Director, Research Collaboration and Mentoring, Division of General Internal Medicine and Clinical Innovation

### Joseph Leung, MD

Clinical Professor, Department of Medicine  
Director, Outpatient Medicine, VA NY Harbor Health Care System - Manhattan  
Section Chief, Division of General Internal Medicine and Clinical Innovation, VA NY Harbor Health Care System – Manhattan

### Mack Lipkin, MD

Professor, Department of Medicine  
Founding Director, Primary Care Internal Medicine Residency Program

### James A. Schmidtberger, MD

Clinical Assistant Professor, Department of Medicine  
Director, Department of Medicine, NYC H+H/ Gotham Health Gouverneur

### Andrew B. Wallach, MD, FACP

Associate Professor, Department of Medicine  
Associate Director, Clinical Innovations and Clinical Affairs, Division of General Internal Medicine and Clinical Innovation  
Ambulatory Care Chief Medical Officer, NYC H+H Office of Ambulatory Care  
Clinical Director, Ambulatory Care, Bellevue Hospital Center

## Administration Team

Lauren Soneira, MPA, Division Administrator  
Emmanuella DeJesus, MHA  
Renee Heller  
Deborah Cooke, MS  
Heather Levitt, MHS

## New Faculty

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### NYULH Faculty Group Practices:

Clarissa Andre, MD, Essex Crossing  
Benjamin Benhuri, MD, Essex Crossing  
Cristina Figueira, MD, Delray Beach  
Rebecca Markson, DO, Chelsea  
Muneeb Javed, MD, Trinity  
Reena Patel, MD, Astoria Medical Associates  
Kerill Pochetuhenn, DO, Levit Medical Center  
Safiya Richardson, MD, MPH, Internal Medicine Associates (IMA)  
Jacqueline Segelnick, MD, Lake Success  
Kenneth Vera, MD, Chelsea  
Alexandra Volo, DO, West Palm Beach

### NYUL Family Health Centers in Brooklyn

Elaine De Leon, MD  
Arielle Elmaleh-Sachs, MD  
Rachel Engelberg, MD  
Valy Fontil, MD  
Cristina Gonzalez, MD  
Revant Grewal, MD  
Zhilin Jin, DO  
Yi Shan (Tiffany) Lee, MD  
Diana Lee, MD  
Atif Muhammad, MD  
Katherine Mullins, MD

### NYC H+H/ Bellevue

Pamela Boodram, MD  
Paolo Dib, MD  
Caitlin Driscoll, MD  
Claire Dugan, MD  
Shobana Ramasamy, MD  
Paloma Sardina, MD, PhD

## PrMEIR Team

Jeffrey Wilhite, MPH, Program Manager  
Christine Beltran  
Khemraj Hardowar  
Zoe Phillips  
Cole Schwartz, MS  
Eleanor Wargo

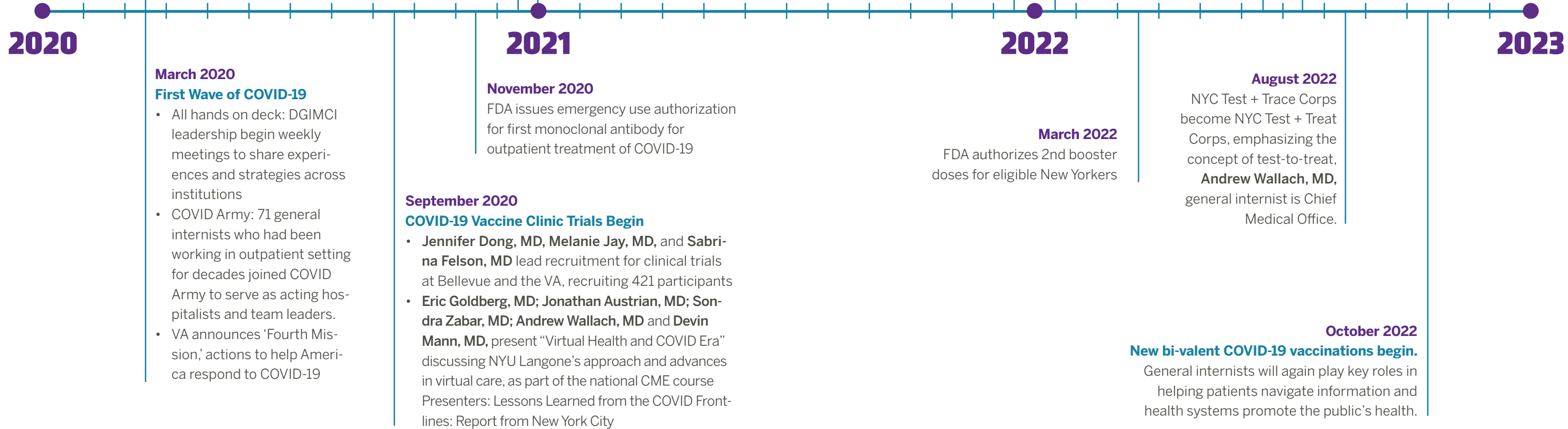
### Other sites

Anastasia Asanov, MD, NYC H+H Woodhull  
Charles Gillihan, MD, NYC H+H Gotham Health Gouverneur  
Kavitha Lingineni, MD, VA Primary Care Clinical Resource Hub  
Jonna Mercado, MD, Chair, Department of Medicine, Chief, Ambulatory Care, NYC H+H/ Woodhull  
Katherine Otto Chebly, MD, MPA, Adjunct Faculty  
Joquetta Paige, MD, NYU Student Health  
Billy Zhang, MD, NYC H+H Woodhull Hospital



## HOW WE MADE HISTORY

As COVID-19 evolved from an in-hospital focused urgent medical situation to one that is now managed in an outpatient setting, this timeline shows how general internists are now the crucial directors of patient care and trusted advisors to our patients and health systems.





## 2022 DGIMCI BY THE NUMBERS:

**\$9.9 MILLION**  
IN RESEARCH FUNDING

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**500+ FACULTY**

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**56 TOTAL PRESENTATION AT**  
THE 2022 SGIM ANNUAL MEETING

- 7 ORALS
- 6 WORKSHOPS
- 43 POSTERS

**151 FACULTY PARTICIPATED IN**  
OUR EXPERIENTIAL ONBOARDING

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**117 PUBLICATIONS**

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**56 FACULTY GROUP PRACTICES**

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**1 DGIMCI FACULTY ENGAGED**  
IN COMPASSIONATE CARE,  
INNOVATIVE RESEARCH  
AND MEDICAL EDUCATION

