



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



# Fifth Annual Weill Department of Medicine Research Retreat

**Monday, October 5th, 2020 | 8:45 am–4:30 pm**

**Virtual Retreat** | <https://weillcornell.zoom.us/j/94822624070>

**Dial In** | 646-876-9923

**Meeting ID** | 948 2262 4070

**Boxed Lunch** | Belfer Skylight Lounge | 2<sup>nd</sup> Floor

## Keynote Speaker

**Nancy J. Brown, MD**

Dean, Yale School of Medicine  
C.N.H. Long Professor of Internal Medicine

## Organizers

**Anthony Hollenberg, MD**

Professor and Chairman of Medicine

**John P. Leonard, MD**

Professor and Executive Vice Chairman

**Steven M. Lipkin MD, PhD**

Professor and Vice Chairman of Research

## Executive Committee

**Mary E. Choi, MD**

Professor of Medicine

**Marshall J. Glesby, MD**

Professor of Medicine

**Paraskevi Giannakakou, PhD**

Professor of Pharmacology in  
Medicine

**Lisa Kern, MD**

Associate Professor of Medicine

**Lonny Levin, PhD**

Professor of Pharmacology in  
Medicine

**Holly G. Prigerson, PhD**

Professor of Sociology in Medicine

**Shahin Rafii, MD**

Professor of Medicine

**Kyu Y. Rhee, MD**

Associate Professor of Medicine

**Joseph M. Scandura, MD**

Associate Professor of Medicine

**Jonathan W. Weinsaft, MD**

Professor of Medicine

## Meeting Description

The Fifth Annual Department of Medicine Research Retreat will provide a distinct forum to bring together a diverse range of established and emerging faculty and trainees and experts in complimentary fields to foster and expand our research efforts. The conference will feature a broad range of faculty with talks reflecting different career stages and research fields.

Participation by young investigators, trainees and residents is strongly encouraged. The central goals of the conference are to:

1) Highlight the various research programs within the Department—specifically to promote interaction between young and senior investigators and exchange of ideas which will shape the future direction of research within the Department

2) Foster the development of the next generation of researchers by encouraging participation of residents and post-doctoral trainees

3) Promote interactions and collaborations amongst our research faculty.

The conference will provide time for formal and informal discussions allowing for widespread participation of conference attendees at various career stages.

The full program and speaker bios are listed in the following pages below.

**weillcornell.org**

# Program

**Monday, October 5th, 2020**

**8:45 am**

Introduction

**Dr. Anthony Hollenberg, MD**

**Dr. John P. Leonard, MD**

**Dr. Steven Lipkin, MD, PhD**

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**9:00 am**

Junior Faculty Presentations

**Marcus DaSilva Goncalves, MD, PhD**

Assistant Professor of Medicine, Division of Endocrinology, Diabetes and Metabolism

*"Sugar, Insulin, Keto, and Cancer: Defining a Niche"*

**Megan Johnson Shen, PhD**

Assistant Professor of Psychology in Medicine, Division of Geriatrics and Palliative Medicine

*"Improving advance care planning and end-of-life care among advanced cancer patients"*

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**10:00 am**

Senior Faculty Presentations

**Laura C. Alonso, MD**

Chief and Professor of Medicine, Division of Endocrinology, Diabetes and Metabolism

*"Solving insulin deficiency: from organelles to beta cells"*

**Lishomwa (Lish) Ndhlovu, MD, PhD**

Interim Assistant Professor of Medicine, Division of Infectious Diseases

*"Mechanisms Underlying Brain Injury In People Living with HIV on Effective Treatment"*

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**11:00 am**

AM Poster Session

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**12:00 pm**

Lunch | Belfer Skylight Lounge

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**1:00 pm**

PM Poster Session

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**2:00 pm**

Abstract Oral Presentations

**Michael J. Corley, PhD**

Assistant Professor in Medicine, Division of Infectious Diseases

*"Genome-wide DNA methylation profiling of peripheral blood reveals an epigenetic signature associated with severe COVID-19"*

**Rossella Marullo, MD, PhD**

Instructor in Medicine, Division of Hematology and Medical Oncology

*"XPO1 functionally remodels the nuclear pore to promote genotoxic stress tolerance in DLBCL"*

**Stephen Andrew McCullough, MD**

Assistant Professor of Medicine, Division of Cardiology

*"An ECG Derived Risk Score Predicts In-Hospital Death in Patients with COVID-19"*

**Laura Pinheiro, MD, MPH**

Assistant Professor in Medicine, Division of General Internal Medicine

**& Evgeniya Reshetnyak, MA, MA, PhD**

Senior Research Data Analyst, Division of General Internal Medicine

*"Racial Disparities in Preventable Adverse Outcomes: A National Survey of Older Adults in the U.S."*

**Nabeel Wahid, MD**

Resident Physician, Internal Medicine (PGY-3)

*"Early Affordable Care Act Medicaid Expansion Associated with Improvements in End-Stage Liver Disease Mortality and Racial Disparities"*

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**3:00 pm**

Break

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**3:30 pm**

Keynote Lecture

**Nancy J. Brown, MD**

Dean, Yale School of Medicine

C.N.H. Long Professor of Internal Medicine

*"The Renin-Angiotensin-Aldosterone System: Old Dog New Pharmacological Tricks"*

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## Our Speakers



**Marcus Goncalves, MD, PhD** is an endocrinologist and basic scientist at Weill Cornell Medical College in New York. He holds degrees in Biomedical Engineering from the Johns Hopkins University, and combined doctoral (M.D., Ph.D.) degrees from the University of Pennsylvania. His research focuses on the interactions among cancer and the metabolites and hormones that

regulate systemic metabolism. As a practicing endocrinologist, he has developed therapeutic and dietary strategies to modulate systemic glucose and insulin levels in patients with cancer, and he is currently involved in several clinical studies to assess the effects of a very low carbohydrate (ketogenic) diet in this population. Dr. Goncalves is in receipt of a National Cancer Institute Career Development Award, a Lung Cancer Research Foundation Award, and is the founder of an anti-cachexia clinic at Weill Cornell, which cares for patients with cancer-induced weight loss and other metabolic diseases.



**Megan J. Shen, PhD** is an Assistant Professor of Psychology in Medicine at Weill Cornell Medical College in the Division of Geriatrics and Palliative Medicine. She is also the Director of the Communications Core at the Cornell Center for Research on End-of-Life Care. Her research focuses on developing social psychological and communication-based interventions designed to improve engagement in advance care planning (ACP)

and end-of-life care communication and care outcomes among advanced cancer patients. Much of this work has focused on reducing health disparities in ACP and end-of-life care among Latino patients. She is the recipient (as PI) of an NCI R03, R21, K07 Award, and American Cancer Society Award; a selected Research Scholar of the American Academy of Hospice and Palliative Medicine, and a selected National Institute on Minority Health and Health Disparities (NIMHD) Research Institute participant. She was recently acknowledged for her achievements and contributions to the field by being selected by the NCI to receive a MERIT (R37) award, given to early stage investigator R01s of outstanding merit.



**Laura C. Alonso, MD** is the Chief of the Division of Endocrinology, Diabetes and Metabolism, and Director of the Weill Center for Metabolic Health. She earned a BA from Harvard in Biochemistry and an MD from the University of Pennsylvania. Clinical training included a residency in Internal Medicine at the University of Chicago and fellowship in Endocrinology at the University of Chicago and NYU. She completed five years of

research training with Dr. Elaine Fuchs, initially at the University of Chicago and then moving with her to the Rockefeller University. Dr. Alonso leads a diabetes research lab at Weill Cornell Med, studying the basic biology of pancreatic beta cell regeneration. She serves on multiple journal editorial boards, is on the organizing committee for the Scientific Sessions of the American Diabetes Association and is the incoming Chair of the NIH Study Section Molecular and Cellular Endocrinology. In 2019 she was elected to the American Society for Clinical Investigation. She

mentors trainees at all career levels. In addition to teaching and research, Dr. Alonso sees patients at WCM Endocrinology in the Weill Greenberg building.



**Lishomwa (Lish) Ndhlovu, MD, PhD** is an interim Assistant Professor of Immunology and Director of the HIV Immunopathogenesis Laboratory in the Division of Infectious Diseases. After completing medical training, he received his PhD in Immunology from Tohoku University in Japan and pursued post-doctoral training at the University of California San Francisco. A translational immunologist, a central theme of his

research is dedicated to confronting the challenges of HIV and Aging and is developing specific expertise and strategies to prevent, slow or eliminate complications associated with HIV with a substantive emphasis on the brain. His team combines immunology, epigenetic and virology methods and is exploring single cell and organoid model approaches to achieve optimal outcomes for older adults with cognitive disorders. Dr. Ndhlovu has specific interests in furthering discoveries for achieving a cure for HIV and strives to promote his research methods in disadvantaged settings with ongoing studies in Myanmar and Thailand. He is an active member of the International Neuro-HIV Cure Consortium, an alliance comprising several global partners with a mission providing cutting-edge investigation and expertise in central nervous system aspects of HIV infection. Currently his program is now bringing the same urgency and focus to the COVID-19 pandemic and uses immuno-epigenetic approaches to resolve molecular mechanisms regulating SARS-CoV-2 infection across tissues and cell types and seeks to identify therapeutic host targets and future therapies that reduce morbidity and mortality. He is committed to teaching students, fellows and mentoring junior faculty.

**Michael J. Corley, PhD** received his B.S. degree from the



University of California, San Diego and completed his doctoral degree in Behavioral Neuroscience from the University of Hawaii. He received postdoctoral research training at the John A. Burns School of Medicine's Department of Native Hawaiian Health in health disparities, epigenetics, and immunology. The mission of his research program is to address health disparities and

achieve health equity. His research is focused on understanding the impact of cardiometabolic diseases on the human epigenome and how this creates increased risk for infectious disease and comorbidities. His laboratory harnesses interactions between basic, clinical, and community researchers to explore the human epigenome using single cell epigenetic multiomic methods, clinical specimens, in vitro experiments, and pre-clinical animal models. He received a K01 (Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research) from the National Institutes of Health to study the impact of epigenetic transcriptional memory in immune cells on cardiovascular disease risk in Native Hawaiians. Current research also includes the epigenetics of host responses to SARS-CoV-2 infection and global epigenetic studies of HIV infection in Thailand and Africa.

## Our Speakers (continued)



**Rossella Marullo, MD, PhD** is a physician-scientist fully dedicated to translational research in cancer. Dr. Marullo received her Medical Degree and Clinical Oncology training at the University of Messina, Italy. As an oncologist, Dr. Marullo grew an interest in translational research and enrolled into a Ph.D. program during which she gained expertise in the field of genomic instability. Dr. Marullo joined

Weill Cornell Medicine as a postdoctoral trainee in the laboratory of Dr. Leandro Cerchietti and in 2020 was appointed Instructor in Medicine in the Division of Hematology and Medical Oncology. Dr. Marullo's research focuses on elucidating how perturbations in mRNA transcription, processing and export promote cancerogenesis and modulate cancer cells ability to tolerate genomic instability. The long-term goal of these studies is to identify potential drug targets for translation into novel therapeutic opportunities.

**Stephen Andrew McCullough, MD** is an Assistant Professor of



Clinical Medicine in the Department of Medicine, Division of Cardiology at Weill Cornell Medicine and New York Presbyterian Hospital. In addition to caring for patients at the Weill Greenberg Center, he interprets and performs stress tests, echocardiograms, and attends on the inpatient services at New York Presbyterian Hospital. Dr. McCullough was born in Shreveport, Louisiana and completed

his undergraduate education at Louisiana State University. He then attended Mount Sinai School of Medicine, where he graduated in 2012 with Distinction in Medical Education and received the Harold Elster Memorial Prize for Highest Academic Standing. Following medical school, he completed Internal Medicine residency at the Massachusetts General Hospital and Harvard Medical School in Boston. He completed his training in cardiovascular diseases and echocardiography at Mount Sinai Hospital, where he served as Chief Cardiology Fellow. Dr. McCullough's main clinical interests include studying methods to improve the cardiovascular education of trainees, how diagnostic testing can be best utilized to make appropriate therapeutic recommendations for patients, and the role of diagnostic testing in identifying our patients at highest risk. He is a proud father, a member of the American Society of Echocardiography, and the American College of Cardiology.

**Laura Pinheiro, MD, MPH** is an Assistant Professor Professor of Health Services Research in Medicine in the Division of General Internal Medicine. Prior to coming to Weill Cornell, Laura was at the University of North Carolina at Chapel Hill in the Department of Health Policy and Management and Lineberger Comprehensive Cancer Center. As a PhD health services researcher, Laura has expertise in health disparities, patient-reported outcome measurement, and cancer outcomes.



Her current research program is focused in cancer health disparities and, in particular, in comorbidity management among cancer patients undergoing treatment. Laura's work has been supported by the New York Department of Health, Dean's Diversity and Healthcare Disparity Research Award, the Department of Medicine Pre-Career Award, and a 3-year Diversity Supplement from the National Heart, Lung and Blood Institute. She recently received a K01 award from the NCI.



**Evgeniya Reshetnyak, MA, MA, PhD** is a Senior Research Data Analyst in the Division of General Internal Medicine. Evgeniya received her PhD in Psychometrics and Quantitative Psychology at Fordham University. Evgeniya has expertise in advanced statistical analysis in medical research and in psychometrics. Prior to Weill Cornell, she

conducted a large number of methodological, simulation-based research studies in structural equation modeling (SEM), classification methods, survival analysis, and propensity scores. Her current research interests include application of machine learning methods in the behavioral sciences, health disparities research, and successful aging.



**Nabeel Wahid, MD** is currently a third year Internal Medicine Resident Physician in the Department of Medicine at Weill Cornell/NewYork-Presbyterian Hospital. He was recently a recipient of the Weill Cornell Dean's Diversity and Healthcare Disparity Research Award. Dr. Wahid received his B.S. from University of California, Los Angeles and M.D. from University of California, Irvine. He

previously worked with Teach for America, a non-profit organization aimed at eliminating educational inequity in public schools. Next year, he will be a Chief Resident at Memorial Sloan Kettering Cancer Center prior to pursuing a fellowship in Gastroenterology/Hepatology. His primary research interests include health disparities in liver transplantation and alcohol-related liver disease.



**Keynote Speaker: Nancy J. Brown, MD**

is the Jean and David W. Wallace Dean of Medicine and C.N.H. Long Professor of Internal Medicine at Yale School of Medicine. Dr. Brown graduated from Yale College, where she majored in molecular biophysics and biochemistry and earned her medical degree from Harvard University. She completed internship and residency programs in medicine at Vanderbilt University, where she also did a fellowship in clinical pharmacology. Dr. Brown joined

the faculty of Vanderbilt in 1992, serving as chief of the Division of Clinical Pharmacology, associate dean for clinical and translational scientist development, and Robert H. Williams professor before becoming the Hugh J. Morgan Chair of Medicine and physician-in-chief of Vanderbilt University Hospital in 2010. Dr. Brown has long been committed to medical education and mentorship. Her research has defined the molecular mechanisms through which commonly prescribed blood pressure and diabetes drugs affect the risk of cardiovascular and kidney disease. In her clinical practice, she has treated patients with resistant and secondary forms of hypertension. Dr. Brown has served as a member of the NIH National Advisory Research Resources Council and the National Heart, Lung, and Blood Advisory Council. She was president of the Association of Professors of Medicine. Her numerous awards include election to the American Society for Clinical Investigation, the Association of American Physicians, and the National Academy of Medicine. In 2019, she was elected a Master of the American College of Physicians.

# Abstracts

<https://medicine.weill.cornell.edu/fifth-annual-research-retreat>

## AM Poster Session

### Basic/Translational

1. **Chukir, Tariq**  
Metformin-Induced Weight Loss in Patients with or without Type 2 Diabetes/Prediabetes: A Retrospective Cohort Study
2. **Conce Alberto, Winiffer D.**  
Naive CD4 T-cells Harboring Persistent HIV Reservoir Exhibit Resistance to CTL-mediated Killing
3. **De Oliveira, Lorraine Soares**  
Thyroid hormone action in human hepatocytes from induced pluripotent stem cells (iPSCs)
4. **Furler, Robert L.**  
Spatial Transcriptomic and Microscopic Analysis of Lymph Nodes from HIV Infected Patients
5. **Gary, Brittany Kay**  
Circulating Cell Free DNA is Associated with Metabolic Pathways in Idiopathic Pulmonary Fibrosis
6. **Goc, Jeremy**  
A protective role for group 3 innate lymphoid cells in colitis-associated colorectal cancer
7. **Krumm, Christopher**  
Targeting Them1 for the Management of Obesity-Related Disorders
8. **Li, Meng**  
SIRT3 regulating autophagy and intracellular amino acid level to drive ATF4 translation for maintaining growth and survival of lymphoma cells
9. **Marin-Hernandez, Daniela**  
Quantifying the impact of BCG vaccination on COVID-19 mortality in Germany: a mathematical model
10. **Mathad, Jyoti**  
An RNA signature for tuberculosis risk in pregnant women: a prospective cohort study from India
11. **Mlynarczyk, Coraline**  
BTG1 mutations drive lymphoma development by lowering the threshold to Myc/mTORC1 anabolic activation in germinal center B-cells
12. **Narula, Nupoor**  
Determinants of type B dissection in Marfan syndrome
13. **Nie, Yaohui**  
Ablation of enteroendocrine cells in colon improves glycemic control via reshaping gut microbiota
14. **Qiao, Jixuan**  
Obesity-induced activation of Y-box Binding Protein 1 (Ybx1) exacerbates glucose and cholesterol production in the liver
15. **Revuelta, Maria Victoria**  
DLBCLs display pharmacologically-reversible epigenetic mechanisms that contribute to a tumor protective microenvironment
16. **Ritter, Megan**  
The role of nuclear receptor corepressors NCoR1 and SMRT on physiologic function
17. **SahBandar, Ivo N.**  
Detectable Monocyte-Associated HIV-1 RNA during Acute HIV Infection is Associated with Reduced Cognitive Improvement Despite 2 Years of Antiretroviral Treatment

## Abstracts (continued)

18. **Sharma, Rohit B.**  
Loss of critical ER chaperone GRP78 leads to beta cell death by a JNK dependent mechanism
19. **Showalter, Kimberly**  
Machine learning integration of scleroderma histology and gene expression identifies fibroblast polarization as a hallmark of clinical severity and improvement
20. **Thakkar, Prashant V.**  
Single Cell RNA Sequencing of Esophageal Adenocarcinoma before and after chemotherapy alone and with Pembrolizumab identifies novel tumor immune microenvironment alterations
21. **Undeutsch, Hendrik Julian**  
Generation and transplantation of hiPSC-derived thyroid follicular cells

## Clinical

1. **Agrawal, Prashasti**  
EBV+ Primary CNS Lymphomas in Older Patients: Incidence, Characteristics, Tumor Pathology, and Outcomes across a Large Multicenter Cohort
2. **Brandorff, Matthew**  
Severity of Myocardial Nuclear Perfusion Imaging Defects is Associated with Late Gadolinium Uptake on Cardiac Magnetic Resonance Imaging
3. **Castaneda, Christian**  
Impact of Ventilator Model on Mortality: A Retrospective Cross-Sectional Study in 147 Mechanically Ventilated Patients with COVID-19 Acute Respiratory Distress Syndrome
4. **Choi, Daniel C.**  
Hematology Consultations during the COVID19 Pandemic at Weill Cornell Medical Center
5. **Copertino, Dennis C.**  
Antiretroviral drug activity and potential for pre-exposure prophylaxis against COVID-19 and HIV infection
6. **Ellsworth, Grant**  
Xpert HPV as an Improved Screening Tool for Anal Histologic High-Grade Squamous Intraepithelial Lesions (hHSIL) in Women Living with HIV (WLHIV)
7. **Kavaliauskas, Povilas**  
A novel translational ex vivo model for studying host-pathogen interactions during acute ex vivo pyelonephritis caused by Escherichia coli with genetically defined virulence factors
8. **Lamba, Perola**  
Acute Rejection and Kidney Graft Survival in Sensitized Kidney Transplant Recipients with Donor Specific Antibodies.
9. **Lee, Eun-Ju**  
Clinical Outcomes in Patients with Immune Thrombocytopenia Treated with all 3 Approved Thrombopoietin Receptor Agonists
10. **Lee, Guinevere Q.**  
HIV-Infected (Gag+) Cells that Survive Co-culture with HIV-specific CTL Exhibit Distinctive Viral Messenger RNA Transcript Profiles
11. **Malha, Line**  
The use of toseamide in patients with prior thiazide-induced hyponatremia
12. **Manocha, Kevin**  
Biomarker Elevation and Association with Outcomes in Patients Hospitalized with COVID-19: Development and Validation of the HA2T2 Mortality Risk Score
13. **McNally, Dylan**  
Multiplex imaging of aggressive B cell malignancies reveals distinct subgroups defined by their microenvironment
14. **Peltzer, Bradley**  
Atrial Arrhythmias Among Patients Hospitalized with COVID-19: Impact on Outcomes and Mortality

## Abstracts (continued)

15. **Petraitis, Vidmantas**  
Microbicidal Activity of Focused Multivector Ultraviolet (FMUV) Technology against *Candida auris*: Implications for Environmental Control of an Emerging Multidrug Resistant Health Care Associated Pathogen
16. **Powell, Timothy**  
The behavioral, cellular and immune mediators of HIV-1 acquisition: New insights from population genetics
17. **Sepulveda Alemany, Hector E.**  
Impact of Intra Operative Transfusions on Post-operative Left Ventricular Assist Device Placement Outcomes: A Single Center Study
18. **Skaf, Daniel A.**  
Biliary Complications after Liver Transplantation: Risk Factors and Endoscopic Management
19. **Su, Chang**  
Evaluation of albumin kinetics in mechanically ventilated patients with COVID-19 compared to those with Sepsis

### Health Services Research

1. **Alshak, Mark**  
Creating and Implementing a Multisite Prospective Registry during the COVID-19 Pandemic
2. **Battat, Robert**  
A Quality Improvement Initiative is Associated with Reduced Time to Administer Biologics and Small Molecules and Emergency Room Visits in Inflammatory Bowel Disease
3. **Cheng, Arina K.**  
Call, Don't Fall- a Quality Patient Safety approach to reduce Inpatient falls
4. **Cho, Jacklyn**  
Eliciting Provider Perspectives on Diabetes Management During Active Cancer Treatment
5. **Ghosh, Arnab K.**  
Effects of patient diversity on disparities in length of stay: Findings from a large regional dataset
6. **Ju, Teresa**  
Assessing Prevalence and Predictors of Resident Burnout during the COVID-19 Pandemic
7. **Krishnan, Jamuna K.**  
Race-sex Differences in Mortality in Chronic Obstructive Pulmonary Disease (COPD): An Analysis of the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Cohort
8. **Lieber, Sarah B.**  
Application of a Novel Method for Determination of Muscle Mass Relative to Fat Mass in Women with Systemic Lupus Erythematosus and Association with Disability
9. **Luan, Danny**  
Evaluation of the Prognostic Utility of Bone Marrow Biopsy in Diffuse Large B-Cell Lymphoma: A SEER-Medicare Linked Database Analysis
10. **Luth, Elizabeth**  
Associations between dementia and early do-not-resuscitate orders and intensity of end-of-life care
11. **Pinheiro, Laura**  
Racial Disparities in Diabetes Care Among Incident Breast, Prostate, and Colorectal Cancer Survivors: A SEER Medicare Study
12. **Sathe, Claire M.**  
Development and Baseline Characterization of a Thrombosis Risk Alert Tool: A Quality Assessment Project
13. **Walsh, Kathleen F.**  
Epidemiology of Isoniazid-resistant pulmonary tuberculosis in Port-au-Prince, Haiti

## PM Poster Session

### Basic/Translational

1. **Acuna, Mariana**  
Multimodal Control of Nutrient Biosynthesis in Liver by Acyl-CoA Thioesterase 12 (Acot12)
2. **Bhardwaj, Priya**  
Leptin mediates obesity-induced DNA damage in BRCA1 mutant breast epithelial cells
3. **Bhatia, Divya**  
Conditional Deletion of Myeloid-specific Mitofusin-2 promotes Kidney Fibrosis
4. **Brown, Christopher**  
Desiccation stress induces oxidative damage in Mycobacterium tuberculosis: Implications for transmission
5. **Costa-e-Sousa, Ricardo H.**  
In vivo analysis of hypothalamic hypophysiotropic TRH neurons in regulating thyroid hormone levels
6. **Darko, Christine**  
Balancing Act: Atf6 $\alpha$  Plays Positive and Negative Roles In The Pancreatic Beta Cell Stress Response
7. **de Mulder Rougvie, Miguel**  
Expression of CircRNAs in HIV-1 latently infected cells from an in vitro model
8. **Duarte, Rodrigo**  
Schizophrenia Risk from Locus-Specific Human Endogenous Retroviruses
9. **Gomez, Salinero, Jesus Maria**  
Regulation of Endothelial Cell Homeostatic functionality and organotypic adaptability
10. **Gupta, Vikas**  
Hedgehog Signaling Demarcates a Niche of Fibrogenic Peribiliary Mesenchymal Cells
11. **Huang, Xiaofeng**  
Generating functional insulin-secreting cells from human gastric stem cells
12. **Iniguez, Luis Pedro**  
Increased Hypoxia Gene Signature in SARS-CoV-2 infection mediated through orf10
13. **Krisko, Tibor**  
Microbially-Derived Metabolites Constitute a Gut-Liver Axis Regulating Host Glucose Homeostasis
14. **Lee, Stefi F.**  
Importance of the Mitochondrial Permeability Transition Pore (MPTP) for Initiation of NLRP3 Inflammasome Activation during Influenza
15. **Leung, Wilfred**  
Role of SETD2 in germinal center formation and lymphomagenesis
16. **Marston, Jez Lim**  
Retro-Transcriptome Profiling of Human Endogenous Retroviruses Induced by SARS-CoV-2 Infection
17. **Mendoza, Arturo**  
The Role of ChREBP in the progression of hepatic steatosis to fibrosis in hypothyroidism
18. **Merugu, Swathi**  
Detection of Epichaperome in AML patient blood samples using Flow cytometry-A non-invasive Diagnostic biomarker
19. **Nauseef, Jones T.**  
Whole genome sequencing of African American prostate cancers reveals novel genomic variants that may contribute to disparate outcomes
20. **Pires, Silvia**  
Role for TL1A in Innate Intestinal Inflammation and Colitis Associated Cancer
21. **Sarkar, Sandipto**  
HER2 Expression and M2-like Tumor Infiltrating Macrophages Associated with Cabazitaxel activity in Gastric Cancer
22. **Stamateris, Rachel**  
CDK4-R24C compensates for IRS2 deficiency by enhancing beta cell proliferation and restoring signaling through the AKT-FOXO1-PDX1 pathway



## Clinical

1. **Abdelghany, Youmna**  
Incidence of Pneumothorax, Pneumomediastinum, and Subcutaneous Emphysema In Covid-19
2. **Contreras, Jorge**  
Orally Bioavailable Aurora-Kinase B Inhibitor (MK7) as a Potential Therapeutic Approach in Multiple Myeloma
3. **Coskun, Emily**  
Clinical Characteristics and Risk Factors for Adverse Outcomes of Influenza Infections in Hematopoietic Stem Cell Transplant Recipients
4. **Drelick, Alexander**  
Development of COVID-19 related “cytokine storm” in chronic lymphocytic leukemia patients on maintenance ibrutinib
5. **Johnston, Carrie**  
Aging with HIV: Cell-Free Urine Mitochondrial DNA as a Marker of Unintentional Weight Loss and Body Composition
6. **Khadka, Pragya**  
CTL Selection Enriches for HIV Proviruses with Large Deletions, Suggesting Broad Antigenicity of Other Defective Forms
7. **Khoury, Neil Christian**  
Gastrointestinal Complaints Predict Improved Survival for COVID-19 Patients, Liver Injury, However, May be a Risk for Mortality
8. **Lee, John**  
The Balance of Gut Pathogens and Commensal Organisms and Urinary Tract Infections
9. **Lopes Vazquez, Maria Eloisi Caldas**  
Orally Bioavailable Aurora-Kinase B Inhibitor (MK7) as a Potential Therapeutic Approach in Multiple Myeloma
10. **Nambiar, Lakshmi**  
Incremental Prognostic Utility of Right Ventricular Remodeling in Relation to Conventional Risk Stratification in COVID-19
11. **Nambiar, Lakshmi**  
Myocardial Ischemia Burden Within the Mitral Valve Apparatus as a Mechanistic Determinant of Functional Mitral Regurgitation – Relative Impact of Papillary and Sub-Papillary Ischemia as Assessed via Stress Perfusion Cardiac Magnetic Resonance
12. **Parkhurst, Christopher N.**  
Mechanisms underlying the microbial regulation of CNS function
13. **Petraitiene, Ruta**  
Harnessing Novel Antimicrobial Combinations of Ceftazidime/Avibactam plus Aztreonam with or without Polymyxin B in the Treatment of Experimental Pneumonia Caused by the Globally Emerging Pathogen, NDM-1 *Klebsiella pneumoniae* in Persistently Neutropenic Rabbits
14. **Plate, Markus**  
COVID-19 Pneumonia in Patients with Hematologic Malignancies – A Report from the US Epicenter
15. **Stoeckle, Kate Carlisle**  
COVID-19 in Hospitalized Adults With HIV
16. **Unlu, Ozan**  
Renal Outcomes Following Left Ventricular Assist Device Placement: A Single Center Experience

## Health Services Research

1. **Aronson, Kerri**  
Systematic Identification and Prioritization of the Barriers to Antigen Detection and Avoidance in Chronic Hypersensitivity Pneumonitis; a Nominal Group Study
2. **Chandrasekaran, Karthik**  
Race and sex do not predict in-hospital mortality from SARS-CoV-2
3. **Chebrolu, Pujja**  
Gestational Diabetes is Associated with HIV in Indian Women >25 years of Age
4. **Choi, Justin**  
Are some COVID-19 readmissions preventable? A case series from two New York City hospitals

## Abstracts (continued)

5. **Faroqui, Mouzam**  
Clinical and Laboratory Profile and Hospital Course among the 780 COVID-19 Patients with Completed Hospitalization during the First Month of the Pandemic
6. **Gonzalez, Christopher Jesus**  
Major Adverse Events among Relatively Lower-Risk Patients Admitted with COVID-19
7. **Kaplan, Alyson**  
National trends in location of death in patients with end-stage liver disease
8. **Kingery, Justin**  
"Prevalence of Heart Failure with Preserved Ejection Fraction in a Tanzanian Referral Hospital: a Retrospective Cohort Study"
9. **Li, Han**  
Clinical Characteristics of Asians in New York City Hospitalized with COVID-19
10. **Mehta, Bella**  
Bilateral vs Unilateral Total Knee Arthroplasty: Racial Variation in Utilization and In-Hospital Major Complication Rates
11. **Rajan, Mangala**  
Ambulatory Care Fragmentation and Hospitalization among Veterans with Diabetes
12. **Ringel, Joanna Bryan**  
Multiple social vulnerabilities to health disparities and hypertension and death in the REasons for Geographic and Racial differences in Stroke (REGARDS) study
13. **Salinas, Thalia**  
The Deleterious Impact of COVID-19 on Patients Waitlisted for Kidney Transplantation
14. **Shalev, Ariel**  
A qualitative study of palliative care in the emergency department during the time of COVID-19
15. **Shtayer, Lior**  
Heart to Heart: An Interdisciplinary Community Collaboration to Address Health Disparities Through Cardiovascular Disease Risk Assessments in Underserved NYC Neighborhoods
16. **Soroka, Orysya**  
Atrial fibrillation (AF) and stroke symptoms in the REasons for Geographic and Racial Differences in Stroke (REGARDS) study
17. **Thomson, Kelly**  
AD LAST! An Interdisciplinary Clinical Workshop to Improve Cultural & Spiritual Awareness in Advance Care Planning Skills
18. **Wehmeyer, Graham**  
D-dimer cutoff and risk of venous thromboembolism in hospitalized patients with COVID-19