# Directory of Faculty Research Interests

# RESEARCH OPPORTUNITIES FOR RESIDENTS

## July 2010


**DEPARTMENT OF MEDICINE**
**NEW YORK-PRESBYTERIAN HOSPITAL**
**WEILL CORNELL MEDICAL COLLEGE**


*This Guide is available on the Cornell Medicine website and is updated regularly.*
*http://www.cornellmedicine.com/education/index.html*

Weill Cornell Medical College

NewYork-Presbyterian Hospital
Weill Cornell Medical Center

# INTRODUCTION

## Faculty Research Interests:

*The following are brief descriptions of research areas of interest by individual faculty members, organized by discipline. The final category of "Other Areas of Research" includes a number of other important fields such as public health, informatics, epidemiology, cancer genetics, etc. Each of the faculty members listed here has volunteered to mentor our residents. (There are likely to be many others at Weill Cornell, MSKCC, Rockefeller and HSS who are equally enthusiastic about the possibility of working on research projects with our Residents, but have not yet responded to our requests for information.) In most cases, the descriptions of research areas under each faculty member use the actual text supplied by the faculty member. Descriptions are followed by the names of "Recent Residents Mentored," if any: these residents are also cross-referenced alphabetically in another section, and we encourage you to contact any of them who might be able to provide you with further insight. Contact information is listed as provided by these faculty members.*

# TABLE OF CONTENTS


| | |
|---|---|
| **Cardiology** | **4** |
| **Clinical Pharmacology** | **7** |
| **Endocrinology** | **8** |
| **Gastroenterology** | **10** |
| **Geriatrics** | **14** |
| **Hematology and Medical Oncology** | **17** |
| **Immunology** | **27** |
| **Infectious Diseases** | **28** |
| **Pulmonary, Critical Care and Sleep Medicine** | **32** |
| **Renal/ Hypertension** | **33** |
| **Rheumatology** | **34** |
| **Other Areas of Research** | **36** |

**Index**

| | |
|---|---|
| ***Topics*** | ***40*** |
| ***Disciplines*** | ***49*** |
| ***Resident Contacts*** | ***53*** |

# CARDIOLOGY

## Craig T. Basson, MD, PhD

Professor of Medicine; Director of the Cardiovascular Genetics Laboratory
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Our research program is dedicated to using human genetics to identify gene defects that cause a variety of cardiovascular disorders and then to using animal models to define the molecular pathways perturbed by these defects and to devise new therapeutic strategies. We have particular interests in congenital cardiac malformations, cardiac tumors, cardiomyopathies, arrhythmias, and vascular pathologies such as aortic aneurysms and coronary artery anomalies. We are devising novel genetic and stem cell based diagnostic and therapeutic modalities.
***Recent Residents Mentored:*** Luke Kim (currently Weill Cornell Cardiology fellow), Shaun Ageno, Alex Yi (currently cardiology faculty at Massachusetts General Hospital), Whitney Brown, Kostas Charitakis

## Jim Cheung, MD, FACC

Assistant Professor of Medicine
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**Tel:** 212-746-2158

My current research focus is on two areas of cardiac electrophysiology: PVC-induced cardiomyopathy and cardiac resynchronization therapy. I am interested in tracking the natural history of patients with high PVC burden and elucidating clinical predictors for the development of cardiomyopathy. I am also launching a project on investigating the feasibility and utility of ECG-guided V-V optimization of cardiac resynchronization devices (biventricular pacemakers and defibrillators).

## Dmitriy N. Feldman, MD

Assistant Professor of Medicine
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As an interventional cardiologist, my research interest is focused on percutaneous coronary interventions outcomes research, including extensive work with the New York State Department of Health PCI database as well as the Weill Cornell Catheterization Laboratory institutional database. Clinical research expertise includes the use of peri-procedural pharmacological agents, particularly bivalirudin, glycoprotein IIb/IIIa inhibitors, thienopyridines, as well as peri-procedural platelet function testing.
***Recent Residents Mentored:*** Foluso Fakorede, Scott Greenberg, Subhi AlAref, Lauren Hofmann, Lindsay Lief, Jonathan Gordin

## Jorge R. Kizer, MD

Associate Professor of Medicine and Public Health
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**Tel:** 212-746-4655

Research interests are in the clinical and genetic epidemiology of diabetes and cardiovascular disease. Areas of particular focus are: (1) cryptogenic ischemic stroke, and the roles of cardioaortic abnormalities (especially PFO) and hypercoagulable disorders in the pathogenesis of this condition, and (2) adipokines as determinants of diabetes mellitus and cardiovascular disease.

## Bruce B. Lerman, MD

Professor of Medicine; Chief, Greenberg Division of Cardiology
**Email:** blerman@med.cornell.edu
**Tel**: 212-746-2169

Our laboratory's focus is on delineating the regulation of G proteins that couple cell surface receptors to intracellular cAMP and their role in mediating adrenergically-dependent ventricular tachycardia, also known as right and left ventricular outflow tract tachycardia.

## Steven Markowitz, MD

Associate Professor of Medicine
**Email:** smarkow@med.cornell.edu
**Tel:** 212-746-2655

Our group studies the mechanisms and therapies for atrial arrhythmias, including atrial fibrillation and atrial tachycardias. We are interested in defining the sites of origin and properties of atrial tachycardias as well as predictors of successful ablative therapy.

## James K. Min, MD

Assistant Professor of Medicine and Radiology
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Our laboratory focuses on advanced cardiac imaging modalities, including coronary CT angiography and cardiac PET imaging for demonstration of clinical and economic utility; prognostic risk stratification; and technology development.

## Peter Okin, MD

Professor of Medicine
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**Tel:** 212-746-4688

My research focuses on the use of the standard 12-lead ECG to improve risk stratification and on the development of new ECG predictors of disease and outcomes. Most recently, we have firmly established the value of regression of left ventricular hypertrophy on ECG for prediction of decreased risk of MI, stroke, cardiovascular death, sudden death, new atrial fibrillation, new heart failure and the development of new diabetes.
***Recent Residents Mentored:*** Seth Bender (currently Weill Cornell Cardiology Fellow), Valaine Hewitt

## Wendy Schaffer, MD

MSKCC, Cardiology Service
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My research is related to cancer patients and their cardiac function.
Current projects include evaluation of: (1) appropriate anticoagulation for cancer patients with mechanical heart valves; (2) right ventricular dysfunction in patients after pericardial window or pericardiocentesis; (3) cardiac toxicity of peripheral blood stem cell transplant in patients with underlying CAD. There are a number of small, easily publishable projects related to this work that would be amenable to the time/resources of a resident.

## Jonathan W. Weinsaft, MD

Assistant Professor of Medicine; Director, Cardiac MRI Program
**Email:** jww2001@med.cornell.edu
**Tel:** 212-746-2437

I look forward to ongoing opportunities to work with residents interested in my research area of non-invasive cardiac imaging as a tool to assess myocardial performance, tissue composition, and cardiac remodeling. While much of the research is focused on use of cardiac magnetic resonance imaging (CMR), studies typically integrate other modalities such as echocardiography, nuclear, or CT based imaging. Residents will have the opportunity to participate in all aspects of ongoing clinical research studies, including image processing, interpretation, and data analysis.
***Recent Residents Mentored:*** Christopher Gade, Taral Patel (currently Northwestern Cardiology fellow), Michael Ross (currently Northwestern Cardiology fellow), Christopher Chu, Jason Chinitz

# CLINICAL PHARMACOLOGY


## Marcus M. Reidenberg, MD

Professor of Medicine, Pharmacology and Public Health
Chief, Division of Clinical Pharmacology
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Focus of research is on problems with medications; e.g. how the elderly differ from younger people in dose-response and genetic polymorphisms affecting dose-response. As a member of the World Health Organization (WHO) Expert Panel on the Selection and Use of Essential Medicines, I would be delighted to help residents interested in issues in clinical pharmacology to develop answerable questions pertinent to these issues and then proceed to answer the questions. Residents interested in global policy concerning availability and use of essential medicines can help with WHO activities in this area. Projects can be designed to start slowly at any time during the residency and proceed at the pace the resident desires. Mentoring in publishing case reports is also provided.

# ENDOCRINOLOGY

## David J. Brillon, MD

Associate Professor of Clinical Medicine
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Dr. Brillon is engaged in clinical trials evaluating the complications in both type 1 and type 2 diabetes mellitus.

## Azeez Farooki, MD, FACE

MSKCC, Endocrinology Service
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**Tel:** 646-888-2711

As an endocrinologist at MSKCC, my research subjects are ones with osteonecrosis of the jaw (a complication of bisphosphonate therapy), bone loss due to cancer treatments, bone metastases from thyroid cancer, and the relationship between vitamin D and cancer.
***Recent Resident Mentored:*** Nina Sundaram

## Julianne Imperato-McGinley, MD

Professor of Medicine; Chief, Division of Endocrinology, Diabetes and Metabolism
*(With Dr. Yuan Shan Zhu, see below.)*
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**Tel:** 212-746-6277

Clinical and translational research projects include: (1) androgens and cognitive function; (2) molecular genetics of sexual differentiation and development; (3) androgens and cardiovascular disease; (4) molecular basis of sex steroid hormone interaction in prostate diseases; (5) effects and mechanisms of diet, botanicals and phytochemicals on prostate tumorigenesis, prostate cancer prevention and therapy.

## Mabel Ryder, MD

MSKCC, Endocrinology Service
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**Tel:** 646-888-2713 (office) or 646-888-2164 (lab)

Research is focused on understanding how the tumor microenvironment facilitates thyroid cancer progression (for example, by manipulating tumor-associated macrophages in models of thyroid cancer). Preclinical studies are being performed using an immunotherapy to activate cytotoxic T cells in thyroid cancers, with the goal of

developing an immunotherapy clinical trial for patients with treatment-refractory, advanced stage thyroid cancer.


## Yuan-Shan Zhu, MD, PhD

Associate Professor of Medicine
*(With Dr. Imperato-McGinley, see above.)*
**Email:** yuz2002@med.cornell.edu
**Tel**: 212-746-8348


Clinical and translational research projects include: (1) androgens and cognitive function; (2) molecular genetics of sexual differentiation and development; (3) androgens and cardiovascular disease; (4) molecular basis of sex steroid hormone interaction in prostate diseases; (5) effects and mechanisms of diet, botanicals and phytochemicals on prostate tumorigenesis, prostate cancer prevention and therapy.

# GASTROENTEROLOGY

## Brian P. Bosworth, MD

Assistant Professor of Medicine
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**Tel:** 212-746-5077

At the Roberts Center for Inflammatory Bowel Disease, we actively welcome and encourage housestaff participation in our clinical and translational investigations. We have opportunities for residents to engage in all aspects of IBD related research from prospective trials of biomarker evaluation or pharmacological intervention, to chart reviews. We also have projects involving basic science and animal work with our colleagues at Rockefeller and MSKCC on both the immunologic and microbiologic etiopathogenesis of IBD.
***Recent Residents Mentored:*** Alyssa Parian, Himanshu Verma, Raja Taunk, Subha Sundararajan, Yasmin Metz, Frank Scott, Robin Mendelsohn

## Carl V. Crawford, MD

Assistant Professor of Medicine
**Email:**cvc9002@med.cornell.edu
**Tel:** 646-962-4000

I have several areas of interest. My main areas of research focus on *C. difficile* and enteric infections on specific patient populations (IBD patients, leukemia/BMT populations, and the elderly). I am also currently working with residents on the role of technology on colon polyp detection rates and the role of phytochemicals in the prevention of certain GI diseases. There are opportunities for residents to engage in lab work, chart reviews and prospective studies as well as designing any studies they may have in mind related to the above areas.
***Recent Residents and Fellows Mentored:*** Lianne Cavelle, Nikhil Kumta, Valerie Antoine-Gustave, Yasmin Metz, Manan Shah and Ann Marie Liapakis.

## Andrew Dannenberg, MD

Professor of Medicine; Director of Cancer Center
**Email:** ajdannen@med.cornell.edu
**Tel:** 212-746-4403

Our main research focus is defining the mechanism by which chronic inflammation predisposes to cancer, with the long-term goal of developing strategies to reduce risk. Studies are underway that focus on obesity, smoking, hereditary cancer, inflammatory bowel disease, and nutrigenomics. The potential use of metabolomics for biomarker development is also being investigated.

## Maya Gambarin-Gelwan, MD

Assistant Professor of Medicine
**Email:** mag2046@med.cornell.edu
**Tel**: 646-962-4040

I would be very interested in working on research opportunities with our residents. Current research projects involve patients with non-alcoholic liver disease and chronic hepatitis C and liver cancer. I would like to develop a project with motivated residents, collaborating with the renal group, to study the effects of chronic HCV infection on the outcomes of renal transplantation, including non-liver related long-term complications.

## Ira Jacobson, MD

Professor of Medicine; Chief, Division of Gastroenterology & Hepatology
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**Tel:** 646-962-4040

Clinical research projects involve viral hepatitis and other forms of liver disease. Opportunities for projects for residents include: (1) prevalence of HBV markers in patients with HCV-related liver cancer; (2) decline in platelet count as a marker of liver fibrosis; (3) renal effects of antiviral agents for hepatitis.

## Ype P. de Jong, MD, PhD

Assistant Professor of Medicine
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My research interest is to study how hepatitis C virus (HCV) evades the immune system. HCV only infects human hepatocytes and there currently exists a paucity of model systems. In the laboratory of Dr. Charles Rice at Rockefeller I am working on improving an *in vivo* HCV infection system, that consists of transplanting human hepatocytes into mice. Projects on which I would welcome Residents to participate include: (1) generation and *in vitro* characterization of innate immune-modifying lentiviral vectors; (2) transplantation optimization of human hepatocytes into different liver injury mouse lines; (3) treatment trials of new direct acting antivirals in mice.

## Steven Lipkin, MD, PhD

Associate Professor of Medicine
**Email:** stl2012@med.cornell.edu
**Tel**: 212-774-7160

My overall goal is to understand the fundamental basis of colorectal cancer and inflammatory bowel disease and effectively translate new knowledge from my own lab and others to improve chemoprevention, early detection and therapy.

Methodologically, I use human and mouse genetics, cell based studies of signal transduction and computational approaches to achieve these goals.

## Ellen J. Scherl, MD

Associate Clinical Professor of Medicine; Director, Roberts IBD Center
**Email:** ejs2005@med.cornell.edu
**Tel:** 212-746-5077

We are delighted to work with residents on developing individual projects. Current projects include: (1) Crohn's disease-associated NOD2 mutant regulation of IL-10 gene expression (with Dr. Ma); (2) characterization of mucosa-associated bacterial flora in inflammatory bowel disease (IBD); (3) inflammatory markers and mediators in GI inflammation; (4) pregnancy and neonatal outcomes and complications in preclinical IBD; (5) enzymatic determinants of prostaglandin levels in colonic mucosa (with Dr. Dannenberg), and others.

## Felice Schnoll-Sussman, MD

Assistant Professor of Medicine
**Email:** fhs2001@med.cornell.edu

Clinical research at the Monahan Center in the field of screening and prevention of gastrointestinal malignancies. Active trials include chemoprevention of Barrett's esophagus and pancreatic cyst neoplasms, early detection of familial pancreatic cancer, and public outreach initiatives for colorectal cancer screening.
***Recent Residents Mentored:*** Roberto Gonzalez, Lianne Cavell

## Andrew H. Talal, MD

Associate Professor of Medicine
**Email:** aht2002@med.cornell.edu
**Tel:** 212-746-4495

I wish to volunteer to be a mentor to residents. Laboratory is investigating hepatitis C virus (HCV) pathogenesis focusing on the role of the CXCR3-associated chemokines as mediators of hepatic inflammation and as potential biomarkers of hepatic fibrosis. Also investigating methods to engage disenfranchised populations with high prevalence of HCV infection (e.g. on methadone maintenance) into treatment.

## MSKCC GASTROENTEROLOGY AND NUTRITION SERVICE:

- **Arnold Markowitz, MD**
  **Email:** markowia@mskcc.org
  **Tel:** 212-639-2901
  Hereditary colorectal cancer

- **Sidney Winawer, MD**
  **Email:** winawers@mskcc.org
  **Tel:** 212-639-7678
  Association of adenomas and family history of colorectal cancer with Hyperplastic Polyposis; correlation of family history with screening colonoscopy outcomes; international survey of colorectal cancer screening, physician and public perceptions of risk and benefit, personal and systems barriers.

- **Emmy Ludwig, MD/Robert Kurtz, MD**
  **Email:** ludwige@mskcc.org; kurtzr@mskcc.org
  **Tel:** 212-639-2766, 212-639-7620
  Family pancreatic cancer registry; hepatitis B reactivation prevention.

- **Christopher DiMaio, MD**
  **Email:** dimaioc@mskcc.org
  **Tel:** 212-639-2210
  Role of EUS, ERCP, and stenting (biliary, pancreatic, esophagus, small bowel, colon) in management of patients with GI malignancies. Evaluation and development of minimally-invasive diagnostic and therapeutic endoscopic modalities for patients with gastrointestinal malignancies. Examples of such modalities include the identification of biomarkers for the diagnosis of pre-malignant and malignant lesions; use of direct endoscopic-guided ablation of gastrointestinal tumors; development of new techniques in the management of malignant obstruction of the GI tract and pancreatico-biliary tree.

# GERIATRICS

## Ronald D. Adelman, MD

Professor of Clinical Medicine; Co-Chief, Division of Geriatric Medicine
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**Tel:** 212-746-1729

Current ongoing research projects in which residents might like to participate include: (1) a New York State Office of Mental Health grant integrating mental health care into an outpatient geriatric medical practice; (2) an Altman Foundation grant integrating a palliative care curriculum into medical residency programs; and (3) communication studies focused on communication at the end of life and communication between older patients and their health providers in outpatient medical encounters.

## Emily S. Finkelstein, MD

Assistant Professor of Medicine
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I would love to work with interns and residents with an interest in advance care planning, baby boomers and successful aging, or primary care health policy reform. Areas of research interest: (1) baby boomers and advance care planning; (2) the geriatric medical home (what it entails, how it works, how much support it requires); (3) starting a time motion study of how much time physicians and other clinical staff members in the ambulatory care practice spend doing clinical activities that are non-reimbursable.

## Mark S. Lachs, MD, MPH

Professor of Medicine; Co-Chief, Division of Geriatric Medicine
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**Tel:** 212-746-1677

Major areas of research interest are the disenfranchised elderly, elder abuse, domestic violence, and the interface of geriatrics with other specialties (e.g. oncology, emergency medicine). Currently funded projects in which residents might like to participate include: (1) a study of aggressive behaviors between nursing home residents with and without dementia; (2) a large study of elder abuse prevalence; and (3) creation of a city wide elder abuse center. In addition, I would be happy to provide general career guidance to residents interested in careers in clinical epidemiology, health services research and similar areas, whether or not they are related to aging.

## Maria Pavlou, MD

Assistant Professor of Medicine
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Research focuses on understanding the complex syndrome of self-neglect in older adults. The work involves exploring possible correlates of self-neglect (medical, functional, social and psychiatric) through at-home interviews of community-dwelling older self-neglectors referred by social service agencies.

## Karl Pillemer, PhD

Hazel E. Reed Professor of Human Development, Cornell University
Professor of Gerontology in Medicine, Weill Cornell Medical College
Director of the Cornell Institute for Translational Research on Aging
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I would be glad to work with interested residents. My areas of expertise are gerontology, with special interests in (1) family relationships of older people, including care giving for disabled elders; (2) institutional and community-based care for older people; (3) methods of disseminating research-based information to professionals and the public.

## Barrie Raik, MD

Associate Professor of Clinical Medicine
**Email:** bar2008@med.cornell.edu
**Tel:** 212-746-4888

Research focuses on the ethics of screening – when does the risk outweigh the benefit? Dr. Raik is also interested in the "hidden curriculum" in medical education (e.g. what are students learning by example from attendings and residents?).

## M. Cary Reid, Jr., MD, PhD

Associate Professor of Medicine; Director, Office of Geriatric Research
**Email:** mcr2004@med.cornell.edu
**Tel:** 212-746-1378

My major areas of interest include pain and pain management in later life and geriatric substance abuse. In addition, I have an interest in the role of community-based participatory research as a tool to improve health and health outcomes at the community level. Current research projects in which residents might like to participate include studies to: (1) develop, test, and disseminate a combined cognitive-behavioral and exercise protocol for use by community-dwelling older adults with chronic back

pain; (2) develop and disseminate culturally appropriate self-management programs for pain in minority communities; (3) determine patient and physician attitudes and beliefs about the use of opioids as treatment for chronic non-cancer pain in older adults; (4) psychoactive medications with addiction potential in later life; (5) community-based participatory research as a tool for improving community health and addressing racial disparities in health, with a particular interest in its use as a tool to address established disparities in pain management as a function of race/ethnicity.


## Eugenia L. Siegler, MD

Professor of Clinical Medicine
**Email:** els2006@med.cornell.edu
**Tel:** 212-746-1772, 212-746-7000


Areas of research interest include: (1) determining the impact of the electronic medical record on the quality of charting and the quality of the chart on patient care, liability and reimbursement; (2) examining medical records from the 1800s to determine how the narrative of patient illness has changed with the introduction of new medical knowledge and physician responsibilities.

# HEMATOLOGY AND MEDICAL ONCOLOGY

## Ghassan Abou-Alfa, MD

MSKCC, Gastrointestinal Oncology Service
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Research focuses on improving the effectiveness of cancer therapy by incorporating small novel biological molecules that target cancer into the treatment of chemotherapy-resistant gastrointestinal malignancies, particularly hepatobiliary and pancreatic cancers.

## Christopher G. Azzoli, MD

MSKCC, Thoracic Oncology Service
**Email:** azzolic@mskcc.org
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Clinical trials of new post-operative chemotherapies for patients with resected non-small cell lung cancer (adjuvant chemotherapy). Collaborate in these trials with basic scientists and pathologists to develop blood and tissue biomarkers to serve as diagnostic and prognostic tools for selection of chemotherapy and/or lung cancer surveillance.

## James Bussel, MD

Professor of Pediatrics and Medicine
**Email**: jbussel@med.cornell.edu
**Tel:** 212-746-3474

My interests are in clinical trials and pathophysiology of ITP, in particular, and thrombocytopenia in general. I have led almost all of the first generation of studies with thrombopoietic agents and have done considerable work with IVIg, IV anti-D, rituximab, and the newly licensed thrombopoietic agents. The resident could either participate in an ongoing project or design a project, if feasible.

## Tessa Cigler, MD

Assistant Professor of Medicine
**Email:** tec9002@med.cornell.edu
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I would be pleased to participate in mentoring residents. My research focuses on the optimization of hormonal therapies for breast cancer treatment and prevention. I am interested in novel ways to sequence and combine hormonal therapies, elucidating the musculoskeletal side effects of certain hormonal therapies,

and evaluating biomarkers of sensitivity to hormonal therapies. I am also involved in clinical trials designed to evaluate promising new therapies for breast cancer.

## Richard Furman, MD

Assistant Professor of Medicine
**Email:** rrfurman@med.cornell.edu
**Tel:** 212-746-2063

I would be interested in having residents work with us on clinical research in the Chronic Lymphocytic Leukemia (CLL) Research Center, which focuses on clinical and translational research involving patients with CLL. Current research includes novel therapies and their mechanisms of action. Residents will be involved in designing, writing, and conducting clinical trials and establishing collaborations with bench researchers to explore correlative studies.

## John Gerecitano, MD

MSKCC, Lymphoma Service
**Email**: gerecitj@mskcc.org
**Tel:** 212-639-3748

Main research focus is the clinical development of novel, non-immunologically based treatments in lymphoma. Current projects include investigator-initiated and industry-sponsored phase I and phase I/II clinical trials. Also work with pathology and other labs to pursue correlative aims, such as tissue microarray studies and retrospective analyses of data related to trials.

## Monica L. Guzman, PhD

Assistant Professor of Pharmacology in Medicine
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**Tel:** 212-746-6838

Relapse in acute myelogenous leukemia (AML) is thought to arise from a chemoresistant subpopulation of leukemic stem cells (LSCs). Therefore, the focus of Dr. Guzman's laboratory is the identification of novel therapeutic approaches for targeting LSCs without harming normal hematopoietic stem cells (HSCs). The main research areas are: (1) identify druggable molecular differences between LSCs and HSCs; (2) determine mechanisms of cell death invoked by anti-LSC agents; (3) minimal residual disease (MRD). Overall, our group aims to define the biology that drives LSC chemoresistance and disease relapse with the purpose of translating these findings to the clinic.

## Barbara Hempstead MD, PhD

Professor of Medicine, Co-Chief, Division of Hematology and Medical Oncology
**Email:** blhempst@med.cornell.edu
**Tel:** 212-746-6702

Dr. Hempstead's laboratory is focused on the role of the neurotrophin family of growth factors, that have well characterized roles in brain development, complex human behaviors, and memory. In addition, a prominent role in enhancing angiogenesis has recently been identified. Dr. Hempstead's lab welcomes medical students, residents and fellows for research opportunities of two months or more, to identify roles for neurotrophins in tumor angiogenesis, using both *in vivo* and *in vitro* techniques, and conditionally gene targeted models.

## Katherine Hsu, MD, PhD

MSKCC, Adult Allogeneic BMT
**Email:** hsuk@mskcc.org
**Tel:** 646-888-2667

My laboratory is interested in the biology of human natural killer (NK) cells and how they contribute to malignancy control. For example, we are studying the role of NK cells in controlling leukemia relapse in bone marrow transplants. My research focuses on the basic biology of the NK cell, identifying the molecules involved in controlling NK action, and determining the laboratory and clinical conditions under which NK actions can be modified.
***Recent Resident Mentored:*** Fabiana Ostronoff

## Clifford Hudis, MD

MSKCC, Chief, Breast Cancer Medicine Service
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**Tel**: 646-888-4551

The Breast Cancer Medicine Service and its collaborators at Memorial-Sloan Kettering Cancer Center conduct laboratory, translational, and clinical research focused on the treatment and prevention of breast cancer. Clinical trials span most aspects of patient care and laboratory studies focus on the causes of disease and the development of improved therapeutics. We would be delighted to hear from interested residents.
***Recent Resident Mentored:*** Kathleen Mahoney

## Joseph G. Jurcic, MD

MSKCC, Interim Chief, Leukemia Service
**Email:** jurcicj@mskcc.org
**Tel:** 212-639-2955

Research focused on antibody-based therapies for myeloid leukemia. Goals are to define the toxicity, biodistribution, pharmacology, and dosimetry of novel constructs and to develop rational treatment strategies that combine these therapies with conventional agents. Most recently focused on the use of radioimmunotherapy using targeted alpha particle-emitting radionuclides for the eradication of minimal disease.

## Pouneh Kermani, PhD

Assistant Research Professor in Medicine
**Email:** rap2008@med.cornell.edu
**Tel:** 212-746-9934

Our laboratory is focused on investigating the role and mechanism by which neurotrophins in particular BDNF and TrkB receptor promote angiogenesis. Our previous work demonstrated that BDNF, beyond its actions on neuronal survival, has also critical roles on non-neuronal cells, such as endothelial cells, smooth muscle cells survival and also play an important role in promoting neoangiogenesis and recruitment of hematopoietic progenitor cells, in a vascular injury as well as tumor vascularization.

## Heather Landau, MD

MSKCC, Hematology Service
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**Tel:** 212-639-8808

The focus of clinical research is on plasma cell disorders including multiple myeloma, plasmacytomas and light chain amyloidosis. Ongoing clinical trials include both transplant and non-transplant strategies as well as novel agents. Translational projects include investigating cytogenetic abnormalities, molecular profiling and cell cycle regulation in these disorders. I would be delighted to mentor a resident who is interested in working on a clinical or translational project.

## Jeffrey Laurence, MD

Professor of Medicine
**Email:** jlaurenc@med.cornell.edu
**Tel:** 212-746-2988

Dr. Laurence welcomes house officers interested in basic and translational research in microvascular thrombotic disorders and the metabolic complications of HIV infection. Areas of clinical research include: (1) thrombotic thrombocytopenic purpura (TTP), both idiopathic and HIV-associated; (2) osteoporosis accelerated by HIV disease and its antiretroviral therapy; and (3) markers of inflammation linked to accelerated cardiovascular disease in the setting of HIV and its therapy.

## John Leonard, MD

Professor of Medicine; Chief, Lymphoma/Myeloma Program
**Email**: jpleonar@med.cornell.edu
**Tel:** 212-746-2932

I am happy to mentor in my clinical research area of lymphoma. Projects relate to new therapeutic agents, including immunotherapeutic approaches, prognostic information, and translational laboratory studies.
**Recent Residents Mentored:** Rebecca Elstrom, Peter Martin, Jia Ruan

## Ross Levine, MD

MSKCC, Leukemia Service
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**Tel:** 646-888-2767

We would definitely be interested in having residents in the lab anytime. Major area of research is the pathogenesis of myeloid malignancies, including: (1) identification of somatic mutations which activate signal transduction in JAK2V617F-negative myeloproliferative disorders (MPD), using candidate gene, genome-wide, and functional approaches; (2) identification of additional disease alleles which contribute to MPD pathogenesis; (3) investigation of different signaling pathways in hematopoietic transformation; (4) characterization of JAK2 inhibitors and other targeted therapies in the MPDs.

## Ari Melnick, MD

Associate Professor of Medicine
**Email:** amm2014@med.cornell.edu
**Tel:** 212-746-7643

Dr. Melnick's laboratory has two major areas of research. The first is focused on the design, development and clinical translation of new drugs to target cancer-causing oncogenes in lymphomas, leukemias, breast cancer and colon cancer. The second is

focused on harnessing the power of human epigenomics to develop methods for personalized diagnosis and therapies for patients with leukemias and lymphomas.
***Recent Resident Mentored:*** Francine Garret-Bakelman

## Vincent A. Miller, MD

MSKCC, Thoracic Oncology Service
**Email:** millerv@mskcc.org
**Tel:** 212-639-7243

There would be a number of opportunities with specific projects based on the individual's training and commitment. Our group was one of the first to show that activating mutations in EGFR are associated with regression of lung adenocarcinoma. We have a well organized syncytium of clinicians, pathologists, interventional radiologists, translational and basic researchers who work in this area. Many projects particularly involving asking simple questions from the large database (>500 pts) with EGFR mutations remain unanswered, and opportunity also exists for some work on translational projects.

## David Nanus, MD

Professor of Medicine; Co-Chief, Division of Hematology-Oncology
*(With Dr. Scott Tagawa, see below.)*
**Email:** dnanus@med.cornell.edu
**Tel:** 212-746-2920 or 212-746-3152

Drs. Nanus and Tagawa welcome house officers interested in clinical and/or translational research in genitourinary (GU) oncology. In addition, clinical exposure to outpatient (clinic) and inpatient GU oncology is available with mentored guidance in clinical research. Areas of clinical research include: (1) monoclonal antibody therapy for prostate cancer; (2) novel therapies for GU cancer; (3) circulating tumor cell analysis in prostate cancer; (4) anti-angiogenic therapy for kidney cancer; (5) circulating endothelial cell analysis in kidney cancer; (6) transgenic model of kidney cancer; (7) anti-angiogenic maintenance therapy for advanced urothelial cancer, a novel use of anti-angiogenic drugs after chemotherapy; (8) novel combination therapy and molecular predictors of response in bladder cancer.

## Ruben Niesvizky, MD

Associate Professor of Medicine; Clinical Director, Multiple Myeloma Service
**Email:** run9001@med.cornell.edu
**Tel:** 212-746-2119

The multiple myeloma program at the New York-Presbyterian/Weill Cornell Medical Center has an established track record and large portfolio in protocol accruals focused on targeted therapies for patients in every stage of the disease. Our current multiple

myeloma clinical research program has several active protocols (with associated translational components) in which residents can participate.

## Stephen Nimer, MD

MSKCC, Vice Chair, Faculty Development
**Email:** nimers@mskcc.org
**Tel:** 646-888-3040

Our laboratory has been studying the molecular basis of human acute leukemia and myelodysplasia, attempting to identify the transcriptional abnormalities that characterize these diseases in order to develop new therapeutic approaches. We are also examining how hematopoietic stem cell quiescence is regulated and how it affects sensitivity to chemotherapy and irradiation. Our clinical research efforts involve testing novel therapeutic approaches to the treatment of the myelodysplastic syndromes (MDS).

## Eileen M. O'Reilly, MD

MSKCC, GI Medical Oncology
**Email:** oreillye@mskcc.org
**Tel:** 212-639-6672

Focus of clinical research is pancreatic, biliary and primary liver cancers. Studies include integration of molecular-based therapies for the treatment of pancreatic cancer, along with development of adjuvant and neoadjuvant therapies and novel therapeutics for advanced disease.

## M. Lia Palomba, MD

MSKCC, Lymphoma Service
**Email:** palombam@mskcc.org
**Tel:** 212-639-7186

Working with Dr. Marcel van den Brink (Medicine and Immunology), research involves two topics: (1) immune therapy of lymphoma with DNA-based vaccines expressing lymphoma-associated antigens (pre-clinical studies with murine models *in vivo* and *in vitro*, as well as a currently opened vaccine clinical trial); (2) signaling in chronic lymphocytic leukemia (CLL), involving collection of blood and bone marrow samples from CLL patients and studying signal transduction by a single-cell resolution assay, phospho flow.

## Ellen Ritchie, MD

Assistant Professor of Medicine
**Email:** Ritchie@med.cornell.edu
**Tel:** 212-746-2192

I would be happy to discuss clinical research opportunities in the treatment of older patients with hematological malignancies.

## Gail J. Roboz, MD

Associate Professor of Medicine; Director of the Leukemia Program
**Email**: gar2001@med.cornell.edu
**Tel:** 212-746-6736

I would be happy to have residents interested in research experiences in various areas of leukemia, myeloproliferative disorders and bone marrow failure studies, including both clinical and laboratory projects.

## Jia Ruan, MD, PhD

Assistant Professor of Medicine
**Email:** jruan@med.cornell.edu
**Tel:** 212-746-2932

Dr. Ruan's research is focused on clinical and translational development of novel therapeutics targeting tumor microenvironment and angiogenesis in lymphoma and myeloma. She is also actively involved in geriatric oncology research with an interest in low-intensity novel therapy for the elderly.
**Recent Residents Mentored:** Elena Resnick**,** John Allan

## Howard I. Scher, MD

MSKCC, Chief, Genitourinary Oncology Service
**Email:** scherh@mskcc.org
**Tel:** 646-422-4323

Focus of research is the development of targeted therapies directed to the androgen-receptor and PI3K/AKT signaling, key pathways in castration resistant prostate cancer progression. Goals are to determine combinations of targeted agents likely to have potent anticancer effects, and to establish models in which the biologic consequences of the agents can be studied. Separately, we are exploring methods to molecularly profile circulating tumor cells isolated from blood to understand tumor progression and guide treatment selection.

## David Spriggs, MD

MSKCC, Gynecologic Medical Oncology Service
**Email:** spriggsd@mskcc.org
**Tel**: 212-639-2203

New drug development in gynecologic cancers. Clinical research and laboratory studies are related to the functional importance of MUC16, the mucin encoding the CA125 antigen which is commonly over expressed in ovarian cancer.

## Scott T. Tagawa, MD

Assistant Professor of Medicine
*(With Dr. David Nanus, see above.)*
**Email:** stt2007@med.cornell.edu
**Tel:** 212-746-2920

Drs. Tagawa and Nanus welcome house officers interested in clinical and/or translational research in genitourinary (GU) oncology. In addition, clinical exposure to outpatient (clinic) and inpatient GU oncology is available with mentored guidance in clinical research. Areas of clinical research include: (1) monoclonal antibody therapy for prostate cancer; (2) novel therapies for GU cancer; (3) circulating tumor cell analysis in prostate cancer; (4) anti-angiogenic therapy for kidney cancer; (5) circulating endothelial cell analysis in kidney cancer; (6) transgenic model of kidney cancer; (7) anti-angiogenic maintenance therapy for advanced urothelial cancer, a novel use of anti-angiogenic drugs after chemotherapy; (8) novel combination therapy and molecular predictors of response in bladder cancer.

## Kenneth K. Teng, PhD

Assistant Professor of Medicine in Neuroscience
**Email:** kkteng@med.cornell.edu
**Tel:** 212-746-9931

The roles of neurotrophin-3 (NT-3) in development as well as in disease paradigms. More specifically, we are interested in understanding how this growth factor promotes diametrically opposite biological responses, such as cell survival during embryonic development vs cell death upon spinal cord injury.

## Tiffany A. Traina, MD

MSKCC, Breast Cancer Medicine Service
**Email**: trainat@mskcc.org
**Tel:** 646-888-4558

I would be thrilled to mentor a resident interested in breast cancer-related projects. I have a particular interest in the design and conduct of clinical trials applying mathematical models to chemotherapy dosing schedules in the hopes of optimizing benefit and minimizing risks of therapy. I have a special research focus in the development of novel therapies for patients with hormone refractory and HER2-negative breast cancers ("triple-negative breast cancers").

## James W. Young, MD

MSKCC, Adult BMT Service
**Email:** youngjw@mskcc.org
**Tel:** 646-888-2052

Area of investigation is human dendritic cells and the generation of immunity in cancer and transplantation. Three broad areas of interest regarding dendritic cell biology: (1) hematopoietic development of dendritic cells; (2) immunogenic properties of dendritic cells for tumors and opportunistic pathogens; (3) the converse role of dendritic cells in tolerance rather than immunogenicity. We focus on projects that can be translated to clinical trials.
***Recent Residents Mentored:*** Adam Boruchov (Cornell medicine resident 1997-2000; now on faculty at University of Connecticut in Hartford)

## Andrew D. Zelenetz, MD, PhD

MSKCC, Chief, Lymphoma Service
**Email:** zeleneta@mskcc.org **or** a-zelenetz@ski.mskcc.org
**Tel:** 212-639-2656

Research is focused on the lymphomas with an emphasis on prognostication through biomarkers and imaging in addition to clinical trials. Clinical investigation has focused on targeted therapy with monoclonal antibodies. Current research topics include: new drug development in lymphoma; evaluation of minimal residual disease for prognosis in non-Hodgkin lymphoma; quantitative image analysis for measurement of prognostic biomarkers; role of diagnostic and functional imaging for prediction of outcome.
***Recent Residents Mentored:*** Paul Basciano

## MSKCC GASTROENTEROLOGY AND NUTRITION SERVICE:
## See "Gastroenterology"

# IMMUNOLOGY


## Hsiou-Chi Liou, PhD

Associate Professor of Immunology in Medicine
**Email:** hcliou@med.cornell.edu
**Tel:** 212-746-4451


We are interested in mentoring medical residents. My research investigates the role of oncogene transcription factors, in particular the c-Rel proto-oncogene, in the immune system and in tumorigenesis. An ongoing project is to investigate the mechanism by which Rel/NF-kB is involved in the pathogenesis of chronic lymphocytic leukemia, multiple myeloma, and lymphoma. Our studies have provided first proof-of-concept that c-Rel is an exciting therapeutic target for inflammation, autoimmune diseases, and transplantation rejection. My team is currently developing inhibitors of oncogenic transcription factors with the goal to develop novel therapies for autoimmune diseases and cancer.


## Kendall Smith, MD

Professor of Medicine; Chief, Division of Immunology
**Email:** kasmith@med.cornell.edu
**Tel:** 212-746-4608


Ongoing projects in the lab are focused on studying the immune response to influenza virus vaccines, and the role of interleukins and their receptors in the regulation of in vivo and in vitro T cell responses.

# INFECTIOUS DISEASES

## David P. Calfee, MD, MS

Assistant Professor of Medicine and Public Health
Chief Hospital Epidemiologist (NewYork-Presbyterian Hospital/Weill Cornell Medical Center)
**Email:** dpc9003@med.cornell.edu
**Tel:** 212-746-1864

The major focus of my research activities has been the epidemiology and prevention of health care-associated infections, particularly those caused by multidrug-resistant organisms (MDRO). Recent projects have included studies of methicillin-resistant *S. aureus* (MRSA) in patients with end-stage renal disease, *Klebsiella pneumoniae* carbapenemase (KPC)-producing Enterobacteriaceae, influenza, vascular access-associated bloodstream infections in hemodialysis patients, and surgical site infections in liver transplant recipients. The hospital's Infection Prevention and Control Program provides a wide variety of opportunities in clinical research and quality improvement initiatives for residents with interests in infectious diseases, epidemiology, and patient safety.
***Recent Residents and Fellows Mentored (at Mount Sinai):*** David Banach, Rebecca Bielang, Mahesh Swaminathan, Meena Rana

## Daniel Fitzgerald, MD

Associate Professor of Medicine
**Email:** dwf2001@med.cornell.edu
**Tel:** 212-746-6320

Research areas of interest include HIV/AIDS prevention and therapeutic clinical trials, tuberculosis clinical trials, and evaluations of HIV and TB service programs in Haiti and Tanzania.
***Recent Residents Mentored:*** Matt Simon, Sean Collins, Karl Bezak, Maryam Schafee

## Marshall J. Glesby, MD, PhD

Associate Professor of Medicine
**Email:** mag2005@med.cornell.edu
**Tel:** 212-746-7134

The major focus of my clinical research is the investigation of metabolic complications in HIV-infected and HCV/HIV co-infected patients, including visceral fat accumulation and disordered glucose metabolism. Residents have participated in clinical epidemiological studies using data from the HIV clinic (the Center for Special Studies) and a multicenter cohort study of HIV-infected women.

## Linnie M. Golightly, MD

Associate Professor of Clinical Medicine
**Email:** lgolight@med.cornell.edu
**Tel:** 212-746-1601

Research projects that might be amenable to resident involvement include multiplex detection of pathogens and bioterror agents. Existing detection systems have a limited ability to simultaneously screen a single sample for multiple agents. To meet this need, we are using the ligase detection reaction (LDR) combined with PCR and Universal Array detection. Multiplexed detection of food and waterborne pathogens will be validated using samples obtained from the NYPH/Weill Cornell as well as collaborators in Haiti and Ghana; multiplexed detection of bioterror agents will involve viral pathogens (Dengue, West Nile) obtained from the CDC, NYC Department of Health and sites of endemic disease.
***Recent Resident Mentored:*** Magdalena Slosar

## Roy M. (Trip) Gulick, MD, MPH

Professor of Medicine; Chief, Division of Infectious Diseases
**Email:** rgulick@med.cornell.edu
(Assistant: Donna Reyes: dor2011@med.cornell.edu)
**Tel:** 212-746-6320

Current research interests include designing, conducting and analyzing clinical trials in HIV-infected subjects to assess antiretroviral drugs with novel mechanisms of action, refining antiretroviral therapy strategies, and testing immune-based therapies. Dr. Gulick is the Principal Investigator of the Cornell AIDS Clinical Trials Unit, sponsored by the NIH.

## Kristen Marks, MD

Assistant Professor of Medicine
**Email:** markskr@med.cornell.edu
**Tel:** 212-746-6309

Working with our residents has been a gratifying experience. Research focus is on HIV and viral hepatitis coinfection liver disease primarily related to hepatitis B and C coinfection. Clinical research aims to understand risk factors for disease progression and strategies to optimize treatment outcomes in coinfected patients.
***Recent Residents Mentored:*** Frank Scott, Sameer Kadri

## Kyu Y. Rhee, MD, PhD

Assistant Professor of Medicine
**Email:** kyr9001@med.cornell.edu
**Tel:** 212-746-4547 **Pager:** 16690

I am delighted to sponsor any housestaff with an interest in the molecular epidemiology and mechanisms of antibiotic resistance in clinical pathogens. We have recently focused on vancomycin resistance in *Staphylococcus aureus* and *Enterococcus faecium* but are fundamentally driven by clinical cases and observations seen in this medical center. I am easy to reach by phone (x64547), email, or pager (16690), and would be more than delighted to have any member of the housestaff with an interest in ID come by.
***Recent Resident Mentored:*** Anna Kaltsas (currently ID fellow at AECOM)

## Kent A. Sepkowitz, MD (and Mini Kamboj, MD)

MSKCC, Hospital Infection Control
**Email:** sepkowik@mskcc.org
**Tel:** 212-639-2441

The Infection Control Program at MSKCC invites residents interested in hospital epidemiology. Previous projects involving NYPH-Cornell residents have included prevalence of HCV in Rogosin dialysis patients; risks for *Clostridium difficile* in MSKCC outpatients; seroconversion rates in health care workers vaccinated for varicella; control of influenza on a bone marrow transplant unit; and prevalence of markers for hepatitis B and C in Chinatown Health Clinic. Current NYPH-Cornell resident projects include clinical comparison of hypervirulent tcdc deletion *C. difficile* to standard *C. difficile* and CNS infection in cancer patients. Interested residents should contact Kent Septowitz.
***Recent Residents Mentored:*** Peter Mead, Matt Simon

## Mary Vogler, MD

Assistant Professor of Medicine
**Email:** mav9046@med.cornell.edu
**Tel:** 212-746-7200

My areas of clinical research interest, in association with the AIDS Clinical Trials Group, are in HIV infection in women and perinatal HIV infection.
***Recent Residents Mentored:*** Ritu Pati (currently ID fellow at Weill Cornell), Sabena Ramsetty (currently ID fellow at University of Virginia)

## Thomas J. Walsh, MD
Professor of Medicine
Director, Transplantation-Oncology Infectious Diseases Program
**Email:** thw2003@med.cornell.edu
**Tel:** 212-746-6320

The mission of the Transplantation-Oncology Infectious Diseases Program is to develop new strategies for diagnosis, treatment and prevention of life-threatening infections in immunocompromised patients. We accomplish this mission through translational laboratory and clinical research focusing on (1) antimicrobial pharmacology; (2) augmentation of innate host defenses; (3) molecular detection of emerging pathogens. The advances achieved through laboratory investigations are translated through carefully designed clinical protocols in hematopoietic stem cell transplant recipients, solid organ transplant recipients and patients with hematological malignancies.

## Timothy Wilkin, MD, MPH
Assistant Professor of Medicine
**Email:** tiw2001@med.cornell.edu
**Tel:** 212-746-7202

Research interests are in the epidemiology and treatment of human papillomavirus (HPV) related anal dysplasia in HIV-infected men and women. Ongoing and planned projects include determining the predictors of persistent anal infection with HPV, describing outcomes for patients treated for high grade anal intraepithelial neoplasia (HGAIN) and topical therapies for HGAIN.

# PULMONARY, CRITICAL CARE, AND SLEEP MEDICINE

## Ronald G. Crystal, MD

Professor of Medicine; Chief, Division of Pulmonary and Critical Care Medicine
**Email**: rgcryst@med.cornell.edu
**Tel**: 646-962-4363

Genetic variability modulating the risk to smoking and the pathogenesis of COPD and lung cancer.
**Recent Resident Mentored**: Brendan Carolan

## Ben-Gary Harvey, MD

Associate Professor of Clinical Medicine
**Email**: bgharvey@med.cornell.edu
**Tel**: 212-746-1188

Gene expression in smoking-related lung disease and methods for tissue acquisition from subjects in pulmonary research. Clinical epidemiology of COPD and in the development of new phenotypes in smoking-related lung disease as well as new diagnostic modalities for benign and malignant lung disease.

## Robert J. Kaner, MD

Associate Professor of Clinical Medicine
**Email**: rkaner@med.cornell.edu
**Tel**: 646-962-5554

Molecular mechanisms of accelerated emphysema in HIV+smokers. Idiopathic pulmonary fibrosis. Alveolar macrophage gene expression in interstitial lung disease. Role of VEGF in ARDS and severe sepsis, with potential for clinical pharmacological intervention.

## Ana C. Krieger, MD

Assistant Professor of Medicine
**Email**: ack2003@med.cornell.edu
**Tel**: 646-962-7378

Translational research evaluating the effects of sleep apnea and intermittent hypoxemia in vascular thromboregulation, platelet activity, and adenosine metabolism.

## Ann Tilley, MD

Assistant Professor of Medicine
**Email**: aet9003@med.cornell.edu
**Tel**: 646-962-5527

Gene expression profiling of the human lung in normal individuals and individuals with smoking-related disease.
**Recent Resident Mentored**: Rachel Knipe

# RENAL/HYPERTENSION


## Phyllis August, MD

Professor of Medicine
**Email:** paugust@med.cornell.edu
**Tel:** 212-746-2210


Major areas of research include: (1) the pathophysiology of preeclampsia; (2) role of TGF-beta in hypertension; and (3) development and validation of biomarkers for chronic renal failure.


## Manikkam Suthanthiran, MD

Professor of Medicine; Chief, Division of Nephrology & Hypertension
**Email:** msuthan@med.cornell.edu
**Tel:** 212-746-4498 or 212-746-4430


Major areas of research include: (1) investigation of mechanisms of transplant rejection and tolerance; (2) development and validation of noninvasive biomarkers for rejection and tolerance; (3) islet cell transplantation; and (4) T-regulatory cell therapy.

# RHEUMATOLOGY
## Hospital for Special Surgery (HSS)


### Mary K. Crow, MD
HSS, Mary Kirkland Center for Lupus Research
**Email:** crowm@hss.edu
**Tel:** 212-606-1397


Our laboratory studies the mechanisms of induction of immune system activation in autoimmune diseases with a particular focus on systemic lupus erythematosus (SLE). Current projects focus on the genetic contributors to production of type I interferon in SLE and the effect of interferon on disease pathogenesis. Gene expression and proteomic data are related to longitudinal clinical data from carefully characterized patients to gain insights into disease mechanisms, to identify biomarkers of lupus flare and to identify targets for therapy.


### Doruk Erkan, MD
HSS, Rheumatology Clinical Research Center
Barbara Volcker Center for Women with Rheumatic Diseases
**Email:** erkand@hss.edu
**Tel:** 212-774-2291


I am a clinical researcher with a special interest in antiphospholipid syndrome and systemic lupus erythematosus (SLE). I am involved in multiple investigator- or pharmaceutical company-initiated clinical trials. In addition, there are multiple projects (case report, retrospective cohort analysis, or database/registry analysis) in which residents can be involved.


### Lionel Ivashkiv, MD
HSS, Director of Basic Research; David H. Koch Chair in Arthritis and Tissue Degeneration
**Email:** IvashkivL@hss.edu
**Tel:** 212-606-1171


We have had very good experiences with residents and would like to participate. The laboratory is interested in the differentiation, function, and activation of cells of the myeloid lineage that are important in innate immunity and autoimmune/inflammatory diseases. The laboratory takes an integrated bench to bedside approach and studies signal transduction defects in defined in vitro systems using purified cells, in animal models of arthritis, lupus and osteolysis, and in human disease samples.

## Michael Lockshin, MD

HSS, Director, Barbara Volcker Center for Women with Rheumatic Diseases
(See Doruk Erkan above)
**Email**: mdl2003@med.cornell.edu
**Tel:** 212-606-1461

## Lisa A. Mandl, MD, MPH

HSS, Rheumatology Clinical Research Center
**Email**: MandlL@hss.edu
**Tel:** 212-774-2555

I would be happy to discuss potential research projects with residents. I am a rheumatologist/epidemiologist with a focus on osteoarthritis, inflammatory arthritis, and total joint replacement. I also have an interest in health care disparities.

## Jane E. Salmon, MD

HSS, Mary Kirkland Center for Lupus Research
**Email:** jes2002@med.cornell.edu
**Tel:** 212-606-1671

The goal of our research is to identify determinants of disease phenotype in systemic lupus erythematosus (SLE) and related diseases, and to thereby identify targets for therapy. We are studying mechanisms of tissue injury in three projects: (1) the role of complement activation in antiphospholipid antibody-induced pregnancy loss and thrombosis; (2) accelerated cardiovascular disease in SLE and rheumatoid arthritis (prevalence and responsible mechanisms); (3) the role of receptors for immunoglobulin G in autoimmune disease.

## Sergio Schwartzman, MD

HSS, Rheumatology
**Email:** SchwartzmanS@hss.edu
**Tel:** 212-606-1557

I would be more than happy to work with medical residents. My interests are: (1) autoimmune ophthalmic diseases; (2) developing a database/registry for rheumatoid arthritis and the spondyloarthropathies (psoriatic arthritis, ankylosing spondylitis, reactive arthritis, colitis associated arthritis), and once developed, to define appropriate studies. Currently, a rheumatoid arthritis database is being piloted at HSS.

# OTHER AREAS OF RESEARCH

## Carla Boutin-Foster, MD

Associate Professor of Medicine and Public Health
**Email:** cboutin@med.cornell.edu
**Tel:** 212-746-1330

I would like to participate in the mentoring of residents in clinical research. General areas of interest include health disparities and vulnerable populations research; identifying psychosocial determinants of health disparities in cardiovascular disease and other chronic conditions; working with faith-based and other community-based organizations to develop and evaluate health interventions using a community-based participatory research model; and applying social science theories in developing health behavior interventions.
***Recent Residents Mentored:*** Karin-Elizabeth Ouchida, Mitch Grotz-Rhone

## Lawrence P. Casalino, MD, PhD

Chief, Division of Outcomes and Effectiveness Research, Department of Public Health
**Email:** lac2021@med.cornell.edu
**Tel:** 646-962-8044

Dr. Casalino studies the organization of physician practices, the use of organized processes to improve the quality of care and to control costs by physicians and hospitals, physician relations with hospitals and health plans, and health care policy. Examples of projects: (1) national survey of medical groups to obtain data on group structure, IT, and policy environment; (2) review of medical records in 23 medical groups to determine frequency of physicians' failing to inform patients of clinically significant abnormal outpatient test results; (3) large national survey to estimate the cost to physician practices of dealing with health plans.

## Mary E. Charlson, MD

Professor of Medicine
Chief, Division of Clinical Epidemiology and Evaluative Sciences Research (CEESR)
**Email:** mecharl@med.cornell.edu
**Tel:** 212-746-1607

Dr. Charlson is a clinical epidemiologist whose research focuses on developing measures of clinical phenomena, improving outcomes among patients with chronic illness and, specifically, patients with chronic cardiopulmonary disease. She is also conducting clinical trials to help motivate patients with cardiovascular disease to make healthy lifestyle behavioral changes.

## Curtis L. Cole, MD

Associate Professor of Clinical Medicine; Chief Medical Information Officer
**Email:** ccole@med.cornell.edu
**Tel:** 212-746-0471

I have supervised several residents who have successfully completed projects in Medical Informatics. Topics of specific interest are evaluation of Electronic Medical Records, Terminology and Terminology Servers, Clinical Research Management Systems, Data Warehousing, Decision Support, Quality and Safety Reporting, Patient Portals. I would also suggest potential collaborative projects with other faculty. I can assist residents trying to access data for projects.

## Gary Deng, MD, PhD

MSKCC, Integrative Medicine Service
**Email:** dengg@mskcc.org
**Tel:** 646-888-0841

Clinical trials of complementary therapies in cancer supportive care include use of acupuncture and botanical agents. Trainees will learn the fundamentals of complementary therapies and design of clinical studies. They will assist in the conduct of rigorously designed clinical trials to evaluate the safety and efficacy of these therapies in the setting of cancer care. This project offers a rewarding and unique experience to residents interested in clinical research and integrative medicine.

## James Hollenberg, MD

Associate Professor of Medicine
**Email:** jph2002@med.cornell.edu
**Tel:** 212-746-1607

Special interest in the application of decision analytic and artificial intelligence techniques to medicine. Areas of research include: theory and practice of decision analysis; development and integration of sophisticated artificial intelligence program to monitor an operational computerized patient care system.

## Rainu Kaushal, MD, MPH

Associate Professor of Pediatrics, Medicine and Public Health
Chief, Division of Quality and Clinical Informatics (Public Health)
**Email:** rak2007@med.cornell.edu
**Tel:** 646-962-8065

We have successfully mentored residents in the past, and would be happy to do so again. Working with Dr. Lisa Kern, we study the effectiveness and comparative effectiveness of health information technology (IT) applications, with a particular focus

on economic, quality, safety, patient, and provider outcomes. We are also interested in health IT adoption, health IT policy, and unintended consequences from the use of health IT.
***Recent Resident Mentored:*** Sonja Olson

## Lisa M. Kern, MD, MPH

Assistant Professor of Public Health and Medicine
**Email:** lmk2003@med.cornell.edu
**Tel:** 646-962-8066

We have successfully mentored residents in the past, and would be happy to do so again. Working with Dr. Rainu Kaushal, we study the effectiveness and comparative effectiveness of health information technology (IT) applications, with a particular focus on economic, quality, safety, patient, and provider outcomes. We are also interested in health IT adoption, health IT policy, and unintended consequences from the use of health IT.
***Recent Residents Mentored:*** Daniel Goldin, Abby Spencer, Amanda Carmel

## Alvin I. Mushlin, MD, ScM

Professor of Public Health and Medicine; Chair, Department of Public Health
**Email:** aim2001@med.cornell.edu
**Tel:** 649-962-8009

Clinical research opportunities are available in the general area of outcomes and comparative effectiveness research, clinical decision-making and clinical policy formulation. Studies include: (1) quantifying the value and accuracy of diagnostic tests and procedures; (2) understanding the efficacy and cost-effectiveness of interventions for common clinical problems; (3) measuring the quality of medical care.

## Kenneth Offit, MD, MPH

MSKCC, Chief, Clinical Genetics Service
**Tel:** 646-888-4067

Research is focused on questions related to inherited susceptibility to cancer. Research projects range from laboratory based genome wide association scans to clinical projects correlating abstracted chart information with specific germline genetic mutations.
***Contact:*** Tomas Kirchhoff, PhD, Laboratory Director, Clinical Cancer Genetics Research Laboratory, MSKCC. **Tel:** 646-888-3092

## Janey Peterson, RN, EdD, MS

Assistant Professor of Clinical Epidemiology
**Email:** jcpeters@med.cornell.edu
**Tel:** 212- 746-1607

As a clinical epidemiologist, Dr. Peterson develops behavioral interventions focused on lifestyle changes in patients with chronic illness, as well as improving outcomes in patients with chronic cardiopulmonary disease. She has expertise in the use of both quantitative and qualitative methodology.

## Henry G. Wei, MD

Clinical Instructor in Medicine
**Email:** hgw2001@med.cornell.edu
**Tel:** 212-845-9838 or 212-849-0125

I'd be overjoyed if any residents or students wanted to either conduct a novel research project or assist with an existing one. My research focuses on medical informatics, computerized clinical decision support and alerting, and adoption of evidence-based medicine. My team develops clinical alert algorithms and predictive models for a decision support engine running on a continuously updated database of 20 million U.S. patients. We develop algorithms for physician performance measurement in conjunction with the National Quality Foundation (NQF). The team also works on health information exchange (HIE) projects with regional health information exchange organizations (RHIOs). Most recently, our research has looked at clinical alert validity and outcomes, as well as the health economics of clinical alerting and value-based formulary design.

# INDEX

## TOPICS:

*The following is an alphabetical index of specific research areas of study by the faculty members listed in the previous section. A faculty member may be listed here under more than one research area. For example, one who studies the public health implications of patients co-infected with HIV and hepatitis virus might be listed under "public health," "HIV," and "hepatitis."*


| | |
|---|---|
| Adenocarcinoma, lung | Miller (H-O, MSKCC) |
| Advance care planning | Finkelstein (Geri) |
| Amyloidosis | Landau (H-O, MSKCC) |
| Androgen receptor | Scher (H-O, MSKCC) |
| Androgens | Imperato-McGinley (Endo) |
| | Scher (H-O, MSKCC) |
| | Zhu (Endo) |
| Ankylosing spondylitis | Schwartzman (Rheum, HSS) |
| Antibiotic resistance | Rhee (ID) |
| | Calfee (ID) |
| Antiphospholipid syndrome | Erkan (Rheum, HSS) |
| | Lockshin (Rheum, HSS) |
| | Salmon (Rheum, HSS) |
| Antiviral therapy | de Jong (GI) |
| | Jacobson (GI) |
| | Laurence (H-O) |
| ARDS | Kaner (Pulm) |
| Arrhythmias | Basson (Card) |
| | Lerman (Card) |
| Arthritis, colitis associated | Schwartzman (Rheum, HSS) |
| Arthritis, inflammatory | Mandl (Rheum) |
| | Schwartzman (Rheum, HSS) |
| Arthritis, reactive | Schwartzman (Rheum, HSS) |
| Artificial intelligence | Hollenberg (CEESR) |
| Asthma | Crystal (Pulm) |
| Autoimmune disease | Crow (Rheum) |
| | Erkan (Rheum, HSS) |
| | Ivashkiv (Rheum, HSS) |
| | Liou (Immun) |
| | Salmon (Rheum, HSS) |
| | Schwartzman (Rheum, HSS) |
| Bacterial flora, gut mucosa | Scherl (GI) |
| Barrett's esophagus | Schnoll-Sussman (GI) |

| | |
|---|---|
| Behavioral interventions | Peterson (CEESR) |
| Biomarkers | Bosworth (GI) |
| | Cigler (H-O) |
| Bioterror agents | Golightly (ID) |
| Bisphosphonates | Farooki (Endo, MSKCC) |
| Bladder cancer | Nanus (H-O) |
| | Tagawa (H-O) |
| Bone marrow failure | Roboz (H-O) |
| Bone marrow transplantation | Hsu (H-O, MSKCC) |
| | Landau (H-O, MSKCC) |
| | Nimer (H-O, MSKCC) |
| | Walsh (ID) |
| | Young (H-O, MSKCC) |
| Brain development | Hempstead (H-O) |
| | Teng (H-O) |
| Breast cancer | Cigler (H-O) |
| | Hudis (H-O, MSKCC) |
| | Traina (H-O, MSKCC) |
| CA125 | Spriggs (H-O, MSKCC) |
| Cancer genetics | Dannenberg (GI) |
| | Lipkin (GI) |
| | MSKCC Gastroenterology and Nutrition Service (GI) |
| | Offit (MSKCC) |
| Cancer stem cells | Guzman (H-O) |
| Cancer vaccines | Palomba (H-O, MSKCC) |
| Cardiac imaging | Min (Card) |
| | Weinsaft (Card) |
| Cardiac toxicity | Schaffer (Card, MSKCC) |
| Cardiomyopathy | Basson (Card) |
| | Cheung (Card) |
| Cardiology, noninvasive | Min (Card) |
| | Okin (Card) |
| | Schaffer (Card, MSKCC) |
| | Weinsaft (Card) |
| Cardiovascular disease | Salmon (Rheum, HSS) |
| Cellular therapy | Suthanthiran (Renal) |
| Chemokines | Talal (GI) |
| | Scherl (GI) |
| Chemoprevention | Schnoll-Sussman (GI) |
| Chemotherapy, toxicity | Schaffer (Card, MSKCC) |
| Chronic lymphocytic leukemia | Furman (H-O) |
| | Liou (Immun) |
| | Palomba (H-O, MSKCC) |
| Cirrhosis | Jacobson (GI) |

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|---|---|
| *Clostridium difficile* | Calfee (ID) |
| | Crawford (GI) |
| | Sepkowitz (ID, MSKCC) |
| Colon polyps | Crawford (GI) |
| Colorectal cancer | Dannenberg (GI) |
| | MSKCC Gastroenterology and Nutrition Service (GI) |
| | Schnoll-Sussmn (GI) |
| Community-based research | Boutin-Foster (CEESR) |
| | Pillemer (Geri) |
| | Reid (Geri) |
| Complement | Salmon (Rheum, HSS) |
| Complementary/alternative med. | Charlson (CEESR) |
| | Deng (Gen Med, MSKCC) |
| Congenital heart disease | Basson (Card) |
| COPD | Crystal (Pulm) |
| | Harvey (Pulm) |
| | Kaner (Pulm) |
| Coronary artery disease | Feldman (Card) |
| | Schaffer (Card, MSKCC) |
| Cost effectiveness | Mushlin (PH) |
| Crohn's disease | Scherl (GI) |
| Cyclic AMP | Lerman (Card) |
| Decision analysis | Hollenberg (CEESR) |
| Dementia | Lachs (Geri) |
| Dendritic cells | Ivashkiv (Rheum, HSS) |
| | Young (H-O, MSKCC) |
| Diabetes | Glesby (ID) |
| | Kizer (Card) |
| | Suthanthiran (Renal) |
| Domestic violence | Lachs (Geri) |
| EGFR mutations | Miller (H-O, MSKCC) |
| Elder abuse | Lachs (Geri) |
| Electronic medical record | Siegler (Geri) |
| Electrophysiology, cardiac | Cheung (Card) |
| Emergency medicine | Lachs (Geri) |
| End of life | Adelman (Geri) |
| Epidemiology | Charlson (CEESR) |
| | Mandl (Rheum) |
| | Peterson (CEESR) |
| Epidemiology, hospital | Calfee (ID) |
| | Kamboj (ID, MSKCC) |
| | Sepkowitz (ID, MSKCC) |
| Epidemiology, molecular | Rhee (ID) |

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|---|---|
| Epigenomics | Melnick (H-O) |
| Ethics | Raik (Geri) |
| Food, waterborne pathogen | Golightly (ID) |
| Fungal infections | Walsh (ID) |
| G proteins | Lerman (Card) |
| Gastrointestinal malignancies | Abou-Alfa (H-O, MSKCC) |
| | DiMaio (H-O, MSKCC) |
| Gene expression | Crystal (Pulm) |
| | Offit (MSKCC) |
| | Tilley (Pulm) |
| Genitourinary cancer | Nanus (H-O) |
| | Tagawa (H-O) |
| Geriatric oncology | Ritchie (H-O) |
| | Traina (H-O, MSKCC) |
| Geriatric pharmacology | Reidenberg (Pharm) |
| Global Health | Fitzgerald (ID) |
| | Reidenberg (Pharm) |
| Gram-negative infection | Calfee (ID) |
| Growth factors | Hempstead (H-O) |
| | Teng (H-O) |
| Gynecologic cancers | Spriggs (H-O, MSKCC) |
| Haiti | Fitzgerald (ID) |
| Health disparities | Boutin-Foster (CEESR) |
| | Reid (Geri) |
| Health policy | Finkelstein (Geri) |
| | Siegler (Geri) |
| Hematologic malignancies | Furman (H-O) |
| | Liou (Immun) |
| | Leonard (H-O) |
| | Niesvizky (H-O) |
| | Nimer (H-O, MSKCC) |
| | Ritchie (H-O) |
| | Roboz (H-O) |
| Hematopoiesis | Young (H-O, MSKCC) |
| | Nimer (H-O, MSKCC) |
| HIV/AIDS | Fitzgerald (ID) |
| | Glesby (ID) |
| | Gulick (ID) |
| | Kaner (Pulm) |
| | Laurence (H-O) |
| | Marks (ID) |
| | Vogler (ID) |
| | Wilkin (ID) |
| Hepatic steatosis | Glesby (ID) |

| | |
|---|---|
| Hepatitis | de Jong (GI) |
| | Glesby (ID) |
| | Marks (ID) |
| | Jacobson (GI) |
| | Sepkowitz (ID, MSKCC) |
| | Talal (GI) |
| Hepatobiliary cancer | Abou-Alfa (H-O, MSKCC) |
| | O'Reilly (H-O, MSKCC) |
| History, medical | Siegler (Geri) |
| Hormonal therapy | Cigler (H-O) |
| Human papillomavirus (HPV) | Wilkin (ID) |
| Hypertension | August (Renal) |
| Immunology | Bosworth (GI) |
| | Ivashkiv (Rheum, HSS) |
| | Liou (Immun) |
| | Salmon (Rheum, HSS) |
| | Young (H-O, MSKCC) |
| Immunotherapy | Jurcic (H-O, MSKCC) |
| | Ryder (Endo, MSKCC) |
| Innate Immunity | de Jong (GI) |
| Infections, hospital acquired | Calfee (ID) |
| Infections, multi-drug resistant | Calfee (ID) |
| Inflammatory bowel disease | Bosworth (GI) |
| | Dannenberg (GI) |
| | Scherl (GI) |
| Inflammation | Dannenberg (GI) |
| | Ivashkiv (Rheum, HSS) |
| | Liou (Immun) |
| Influenza | Smith (Immun) |
| Information technology | Casalino (PH) |
| | Cole (Gen.Med.) |
| | Hollenberg (CEESR) |
| | Kaushal (CEESR) |
| | Kern (CEESR) |
| | Siegler (Geri) |
| Insulin resistance | Glesby (ID) |
| Interferon | Crow (Rheum, HSS) |
| Integrative medicine | Deng (Gen Med, MSKCC) |
| Interleukins | Ivashkiv (Rheum, HSS) |
| | Smith (Immun) |
| Islet cell transplantation | Suthanthiran (Renal) |
| ITP | Bussel (H-O) |
| JAK | Ivashkiv (Rheum, HSS) |
| | Levine (H-O, MSKCC) |

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|---|---|
| Joint replacement | Mandl (Rheum) |
| Leukemia | Guzman (H-O) |
| | Hsu (H-O, MSKCC) |
| | Jurcic (H-O, MSKCC) |
| | Melnick (H-O) |
| | Nimer (H-O, MSKCC) |
| | Roboz (H-O) |
| Leukemia stem cells | Guzman (H-O) |
| Lung cancer | Azzoli (H-O, MSKCC) |
| | Harvey (Pulm) |
| | Miller (H-O, MSKCC) |
| Lymphoma | Gerecitano (H-O, MSKCC) |
| | Leonard (H-O) |
| | Liou (Immun) |
| | Melnick (H-O) |
| | Palomba (H-O, MSKCC) |
| | Zelenetz (H-O, MSKCC) |
| Medical education | Raik (Geri) |
| Medical informatics | Cole (Gen. Med.) |
| | Wei (Gen. Med.) |
| Metabolomics | Dannenberg (GI) |
| Microbiology | Bosworth (GI) |
| Molecular epidemiology | Rhee (ID) |
| Multiple myeloma | Landau (H-O, MSKCC) |
| | Liou (Immun) |
| | Niesvizky (H-O) |
| | Nimer (H-O, MSKCC) |
| Myelodysplastic syndromes | Nimer (H-O, MSKCC) |
| Myeloproliferative disorders | Levine (H-O, MSKCC) |
| | Nimer (H-O, MSKCC) |
| | Roboz (H-O) |
| Natural killer (NK) cells | Hsu (H-O, MSKCC) |
| Neurotrophin | Hempstead (H-O) |
| | Teng (H-O) |
| Noninvasive cardiology | Min (Card) |
| | Okin (Card) |
| | Weinsaft (Card) |
| Nutrigenomics | Dannenberg (GI) |
| Oncogenes | Liou (Immun) |
| | Melnick (H-O) |
| Opportunistic infections | Walsh (ID) |
| Osteoarthritis | Mandl (Rheum) |
| Osteonecrosis | Farooki (Endo, MSKCC) |
| Outcomes | Casalino (PH) |

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|---|---|
| | Charlson (CEESR) |
| | Kaushal (CEESR) |
| | Kern (CEESR) |
| | Mandl (Rheum) |
| | Mushlin (PH) |
| Ovarian cancer | Spriggs (H-O, MSKCC) |
| Palliative care | Adelman (Geri) |
| Pancreatic cancer | Abou-Alfa (H-O, MSKCC) |
| | MSKCC Gastroenterology and Nutrition Service (GI) |
| | O'Reilly (H-O, MSKCC) |
| | Schnoll-Sussman (GI) |
| Pancreatic cyst | Schnoll-Sussman (GI) |
| Pain | Reid (Geri) |
| Pericardial disease | Schaffer (Card, MSKCC) |
| Pharmacogenomics | Reidenberg (Pharm) |
| Pharmacology, clinical | Reidenberg (Pharm) |
| PI3K/AKT signaling | Scher (H-O, MSKCC) |
| Plasmacytoma | Landau (H-O, MSKCC) |
| Platelets | Bussel (H-O) |
| | Feldman (Card) |
| | Kizer (Card) |
| | Krieger (Pulm) |
| | Laurence (H-O) |
| Policy, health care | Casalino (PH) |
| | Kaushal (CEESR) |
| | Kern (Gen Med) |
| | Reidenberg (Pharm) |
| Preeclampsia | August (Renal) |
| Pregnancy loss | Salmon (Rheum, HSS |
| Prevention | Schnoll-Sussman (GI) |
| | Calfee (ID) |
| Prostate cancer | Nanus (H-O) |
| | Scher (H-O, MSKCC) |
| | Tagawa (H-O) |
| Prostate | Imperato-McGinley (Endo) |
| | Zhu (Endo) |
| Psoriatic arthritis | Schwartzman (Rheum, HSS) |
| Public Health | Casalino (PH) |
| | Mushlin (PH) |
| Pulmonary fibrosis | Kaner (Pulm) |
| Quality of care | Casalino (PH) |
| | Cole (CEESR |
| | Kaushal (CEESR) |
| | Kern (CEESR) |

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|---|---|
| | Mushlin (PH) |
| Racial disparities | Boutin-Foster (CEESR) |
| | Reid (Geri) |
| Renal cell cancer | Nanus (H-O) |
| | Tagawa (H-O) |
| Renal failure | August (Renal) |
| | Suthanthiran (Renal) |
| Renal transplantation | Gambarin-Gelwan (GI) |
| | Suthanthiran (Renal) |
| Rheumatoid arthritis | Salmon (Rheum, HSS) |
| | Schwartzman (Rheum, HSS) |
| Self-neglect | Pavlou (Geri) |
| Sepsis | Kaner (Pulm) |
| Sex hormones | Imperato-McGinley (Endo) |
| | Zhu (Endo) |
| Sleep apnea | Krieger (Pulm) |
| Sleep disorders | Krieger (Pulm) |
| Smoking | Crystal (Pulm) |
| | Harvey (Pulm) |
| | Tilley (Pulm) |
| Spondyloarthropathies | Schwartzman (Rheum, HSS) |
| Stem cells | Basson (Card) |
| | Guzman (H-O) |
| Substance abuse | Reid (Geri) |
| Systemic lupus erythematosus | Crow (Rheum, HSS) |
| | Erkan (Rheum, HSS) |
| | Ivashkiv (Rheum, HSS) |
| | Lockshin (Rheum, HSS) |
| | Salmon (Rheum, HSS) |
| T cells | Ryder (Endo, MSKCC) |
| | Smith (Immun) |
| | Suthanthiran (Renal) |
| Tanzania | Fitzgerald (ID) |
| Thrombosis | Erkan (Rheum) |
| | Kizer (Card) |
| | Lockshin (Rheum, HSS) |
| Thyroid cancer | Ryder (Endo, MSKCC) |
| Transplant infectious diseases | Walsh (ID) |
| Transplant rejection | Suthanthiran (Renal) |
| | Liou (Immun) |
| Transplant tolerance | Suthanthiran (Renal) |
| | Young (H-O, MSKCC) |
| TTP | Laurence (H-O) |
| Tuberculosis | Fitzgerald (ID) |

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|---|---|
| | Rhee (ID) |
| Vaccines | Sepkowitz (ID, MSKCC) |
| | Smith (Immun) |
| Vaccines, cancer | Palomba (H-O, MSKCC) |
| Vascular disorders | Basson (Card) |
| Ventricular tachycardia | Lerman (Card) |
| Vitamin D | Farooki (Endo, MSKCC) |

# DISCIPLINES

*The following is a listing of faculty members by general discipline. A faculty member may be listed in more than one category. For example, one who is conducting research in lung cancer might be listed under both "Hematology-Oncology" and "Pulmonary."*

| | |
|---|---|
| Cardiology (Card) | Basson (Card) |
| | Feldman (Card) |
| | Imperato-McGinley (Endo) |
| | Kizer (Card) |
| | Lerman (Card) |
| | Okin (Card) |
| | Salmon (Rheum, HSS) |
| | Schaffer (Card, MSKCC) |
| | Weinsaft (Card) |
| | Zhu (Endo) |
| Clinical Pharmacology (Pharm) | Reidenberg (Pharm) |
| Endocrinology (Endo) | Brillon (Endo) |
| | Farooki (Endo, MSKCC) |
| | Glesby (ID) |
| | Imperato-McGinley (Endo) |
| | Kizer (Card) |
| | Ryder (Endo, MSKCC) |
| | Zhu (Endo) |
| Gastroenterology/Liver (GI) | Bosworth (GI) |
| | Dannenberg (GI) |
| | Gambarin-Gelwan (GI) |
| | Jacobson (GI) |
| | Lipkin (GI) |
| | MSKCC Gatroenterology and Nutrition Service (GI) |
| | O'Reilly (H-O, MSKCC) |
| | Scherl (GI) |
| | Schnoll-Sussman (GI) |
| | Talal (GI) |
| Clinical Epidemiology and Evaluative Sciences Research (CEESR) | Boutin-Foster (CEESR) |
| | Charlson (CEESR) |
| | Cole (CEESR) |
| | Deng (Gen Med, MSKCC) |
| | Hollenberg (CEESR) |
| | Kaushal (CEESR) |
| | Kern (CEESR) |
| | Peterson (CEESR) |
| Genetics (Gen) | Basson (Card) |

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|---|---|
| | Crystal (Pulm) |
| | Lipkin (GI) |
| | Offit (MSKCC) |
| Geriatrics (Geri) | Adelman (Geri) |
| | Finkelstein (Geri) |
| | Lachs (Geri) |
| | Pavlou (Geri) |
| | Pillemer (Geri) |
| | Raik (Geri) |
| | Reid (Geri) |
| | Reidenberg (Pharm) |
| | Ritchie (H-O) |
| | Siegler (Geri) |
| | Traina (H-O, MSKCC) |
| Hematology-Oncology (H-O) | Abou-Alfa (H-O, MSKCC |
| | Azzoli (H-O, MSKCC) |
| | Bussel (H-O) |
| | Cigler (H-O) |
| | Dannenberg (GI) |
| | DiMaio (H-O, MSKCC) |
| | Farooki (Endo, MSKCC) |
| | Furman (H-O) |
| | Gerecitano (H-O, MSKCC) |
| | Hsu (H-O, MSKCC) |
| | Hudis (H-O, MSKCC) |
| | Jurcic (H-O, MSKCC) |
| | Landau (H-O, MSKCC) |
| | Leonard (H-O) |
| | Levine (H-O, MSKCC) |
| | Liou (Immun) |
| | Lipkin (GI) |
| | Melnick (H-O) |
| | Miller (H-O, MSKCC) |
| | MSKCC Gastroenterology and Nutrition Service (GI) |
| | Nanus (H-O) |
| | Niesvizky (H-O) |
| | Nimer (H-O, MSKCC) |
| | O'Reilly (H-O, MSKCC) |
| | Palomba (H-O, MSKCC) |
| | Ritchie (H-O) |
| | Roboz (H-O) |
| | Ryder (Endo, MSKCC) |
| | Schaffer (Card, MSKCC) |
| | Scher (H-O, MSKCC) |

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|---|---|
| | Spriggs (H-O, MSKCC) |
| | Tagawa (H-O) |
| | Traina (H-O, MSKCC) |
| | Young (H-O, MSKCC) |
| | Zelenetz (H-O, MSKCC) |
| Immunology (Immun) | Crow (Rheum, HSS) |
| | Ivashkiv (Rheum, HSS) |
| | Liou (Immun) |
| | Salmon (Rheum, HSS) |
| | Smith (Immun) |
| | Young (H-O, MSKCC) |
| Infectious Diseases (ID) | Calfee (ID) |
| | de Jong (GI) |
| | Fitzgerald (ID) |
| | Glesby (ID) |
| | Golightly (ID) |
| | Gulick (ID) |
| | Jacobson (GI) |
| | Kamboj (ID, MSKCC) |
| | Laurence (H-O) |
| | Marks (ID) |
| | Rhee (ID) |
| | Scherl (GI) |
| | Sepkowitz (ID, MSKCC) |
| | Smith (Immun) |
| | Vogler (ID) |
| | Walsh (ID) |
| | Wilkin (ID) |
| Public Health (PH) | Casalino (PH) |
| | Kaushal (CEESR) |
| | Kern (CEESR) |
| | Mushlin (PH) |
| Pulmonary (Pulm) | Azzoli (H-O, MSKCC) |
| | Crystal (Pulm) |
| | Kaner (Pulm) |
| | Krieger (Pulm) |
| | Miller (H-O, MSKCC) |
| | Tilley (Pulm) |
| Renal/Hypertension (Renal) | August (Renal) |
| | Gambarin-Gelwan (GI) |
| | Suthanthiran (Renal) |
| Rheumatology (Rheum) | Erkan (Rheum, HSS) |
| | Ivashkiv (Rheum, HSS) |
| | Lockshin (Rheum, HSS) |

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|---|---|
| | Mandl (Rheum, HSS) |
| | Salmon (Rheum, HSS) |
| | Schwartzman (Rheum, HSS) |
| Sleep Medicine (Pulm) | Krieger (Pulm) |

# RESIDENT CONTACTS

*The following is an alphabetical list of current or former Residents in the Department of Medicine who have been mentored and have worked with some of the faculty members listed above. They can be contacted for further insights. These residents are also listed individually under the faculty mentor's research description.*

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