

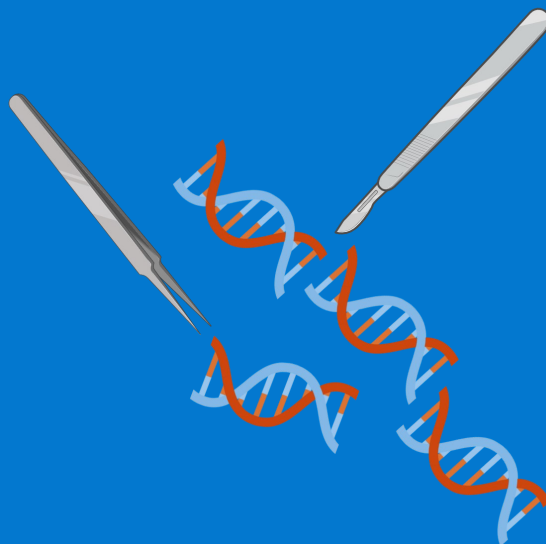
Department of Surgery



Memorial Sloan Kettering
Cancer Center™

2023

Department of Surgery
Research Report



DoS Clinical Activity

The Department of Surgery (DoS), in addition to the clinical activity listed below, continues its commitment towards the advancement of scientific research and surgical education. This report highlights the DoS's engagement, listing the DoS's diverse range of clinical trials, sponsored research activities and peer-reviewed publications authored by department faculty, staff and fellows.

Surgical Faculty

153

Surgical Procedures Per Year

30,000

Robotic Procedures Per Year

3,800

Clinic New Visits Per Year

27,000

**Regional Clinics
with Surgical Faculty**

8

(MSK Basking Ridge; MSK Bergen; MSK Commack; MSK Hauppauge; MSK Monmouth; MSK Nassau; MSK Westchester; MSK Brooklyn)

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Letter from the Chair



The Department of Surgery at Memorial Sloan Kettering Cancer Center is one of the busiest cancer surgery programs in the world. Our results in terms of patient outcomes are exceptional, and yet every surgeon is painfully aware of the limitations of current cancer care – of our patients who have a state-of-the-art operation, get adjuvant chemotherapy, radiation and/or immunotherapy, and still have cancer recurrence. It is this reality that drives us to pursue research, in our effort to ensure that the cancer treatment available to our patients in the future is better than the treatment that we can offer today.

This book provides an overview of much of the research performed by Department of Surgery faculty, fellows and staff in the 2021-2023 academic years. It spans fundamental laboratory investigation, translational research, clinical trials, studies on patient outcomes and health services research. These pages list hundreds of publications written by our faculty that have advanced the understanding of cancer and cancer care throughout the scientific community. We also provide recognition of our academic surgeons who have received research funding from government and non-governmental agencies, as well as philanthropic sources, that enables our research mission. Finally, it also lists our research administration staff whom we owe our thanks, since without their hard work these efforts could not occur. In that spirit of gratitude, I would be remiss to not acknowledge our research Vice-Chairs, Dr. Brett Carver (Basic), Dr. Valerie Rusch (Clinical) and Dr. Prasad Adusumilli (Translational) for their help in guiding the Department's research efforts, and a particular thank you to Prasad for putting together this volume.

A handwritten signature in black ink, appearing to read "Jeffrey Drebin". The signature is fluid and cursive, written in a professional style.

Jeffrey Drebin, MD, PhD

Chair, Department of Surgery; Murray F. Brennan Chair in Surgery

DoS 2021-2023 Academic Years Snapshot

13

SERVICES

130

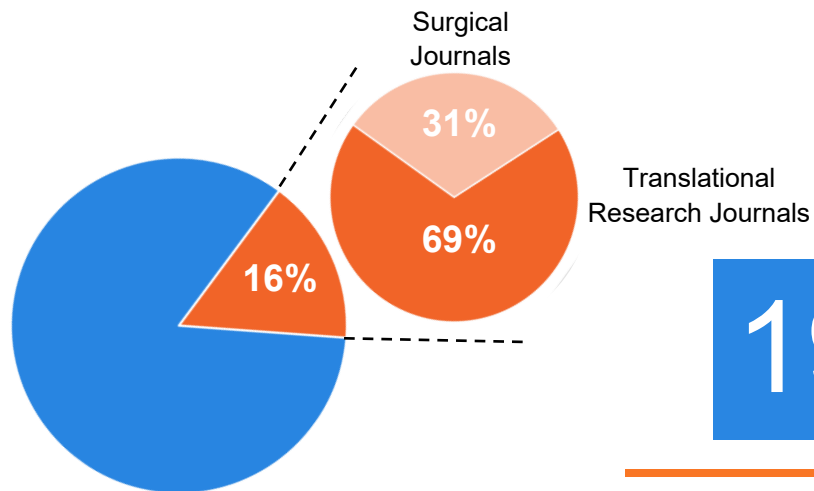
CLINICAL
FELLOWS

146

RESEARCH
FELLOWS

1353

PUBLICATIONS



% OF PUBLICATIONS IN JOURNALS WITH
AN IMPACT FACTOR (IF) ≥ 10

198

CLINICAL
TRIALS

42

FEDERAL
GRANTS

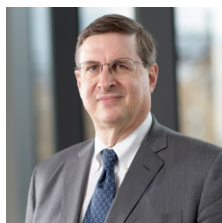
51

FOUNDATION
GRANTS

23

INDUSTRY
GRANTS

DoS Service Chiefs



Jeffrey A. Drebin, MD, PhD

Chair, Department of Surgery



David H. Abramson, MD

Ophthalmic Oncology



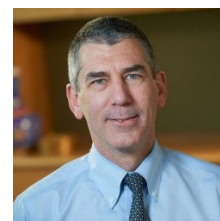
Nadeem R. Abu-Rustum, MD

Gynecology



Julio Garcia Aguilar, MD, PhD

Colorectal



James A. Eastham, MD

Urology



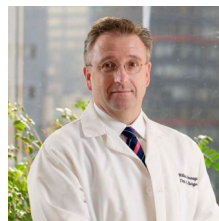
J. Ted Gerstle, MD

Pediatric



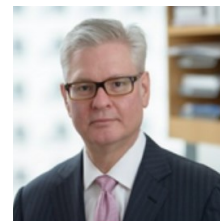
Joseph M. Huryn, DDS

Dental



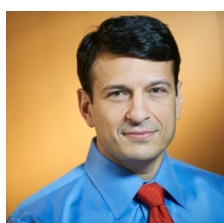
William R. Jarnagin, MD

Hepatopancreatobiliary



David R. Jones, MD

Thoracic



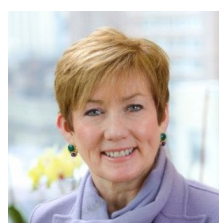
Babak J. Mehrara, MD

Plastic and Reconstructive;
Vice Chair of Finance



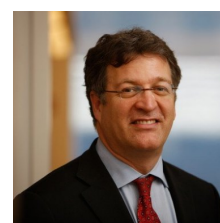
Carol Morris, MD

Orthopaedic



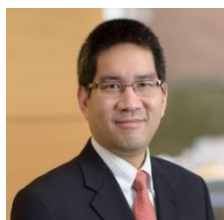
Monica Morrow, MD

Breast;
Vice Chair of Professionalism



Samuel Singer, MD

Gastric and Mixed Tumors



Richard J. Wong, MD

Head and Neck

DoS Leadership



Prasad S. Adusumilli, MD

Deputy Chief and Attending, Thoracic Service; Vice Chair for Translational Research; Co-Director of Mesothelioma Program



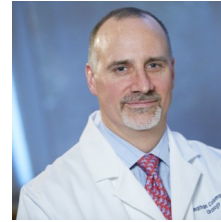
Carol L. Brown, MD

Senior Vice President and Chief Health Equity Officer; Nicholls-Biondi Chair for Health Equity



Brett S. Carver, MD

Vice Chair of Basic Research



Jonathan A. Coleman, MD

Vice Chair of Technology Development



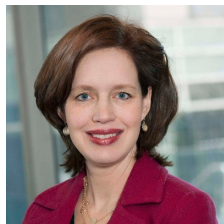
Michael I. D'Angelica, MD

Enid A. Haupt Chair in Surgery; Director, Hepatopancreatobiliary Fellowship Program; Director, Surgical Oncology Fellowship Program Vice Chair of Education



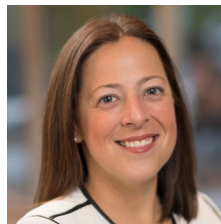
Joseph J. Disa, MD

Vice Chair of Clinical Activities; Benno C. Schmidt Chair in Surgical Oncology



Ginger J. Gardner, MD

Vice Chair of Hospital Programs



Jennifer Hunara, MHA, MBA

Senior Director



Elizabeth Jewell, MD, MHSc

Vice Chair, Regional Network & Affiliates; Associate Deputy Physician in Chief, Strategic Partnerships



Vincent P. Laudone, MD

Medical Director, Josie Robertson Surgery Center



Evan Matros, MD, MPH, MMSc

Vice Chair of Health Information Technology



Garrett M. Nash, MD, MPH

Vice Chair of Quality and Safety



Valerie W. Rusch, MD

Vice Chair of Clinical Research; Miner Family Chair in Intrathoracic Cancers



Vivian E. Strong, MD

Vice Chair of Surgical Innovation & Clinical Outcomes



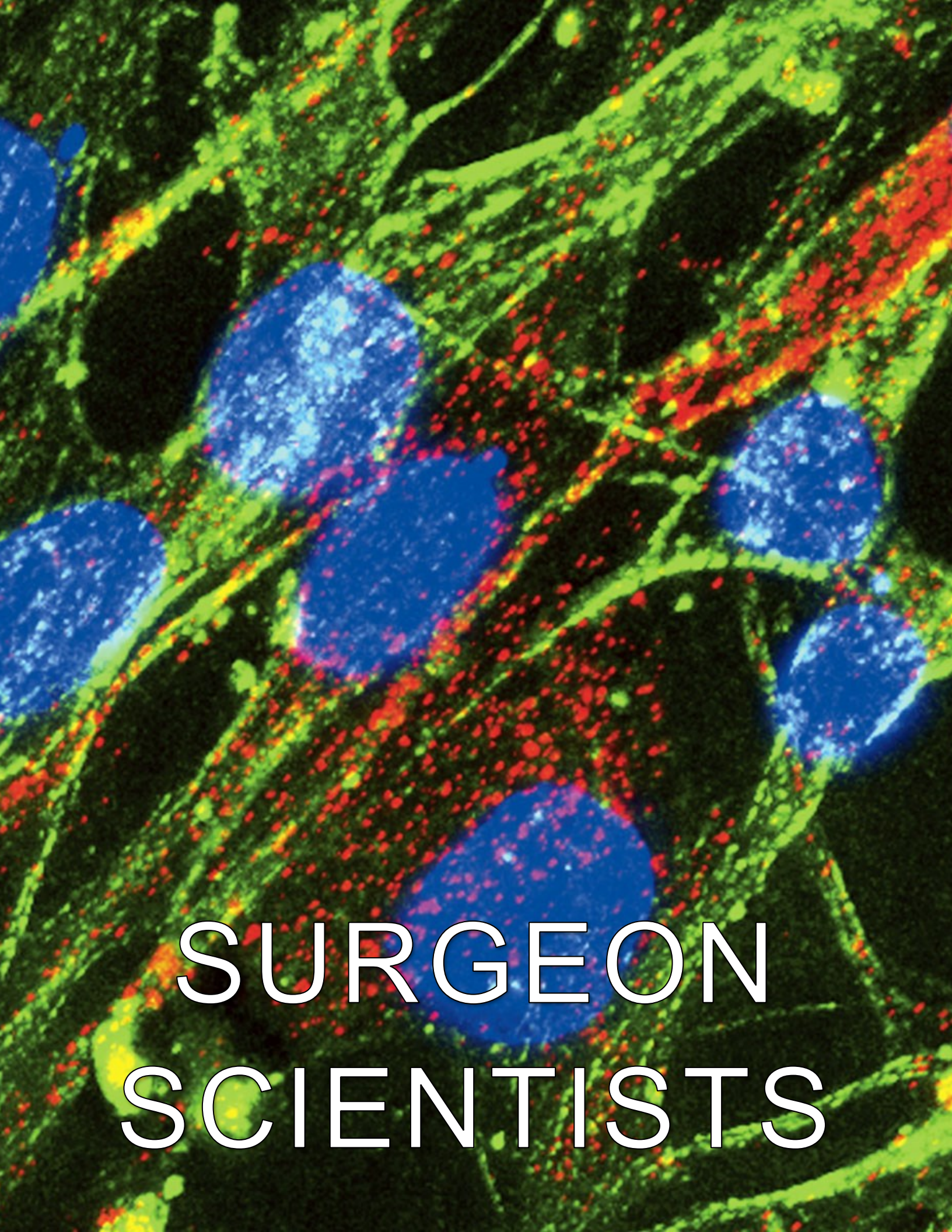
Vivian S. Tabar, MD

Chair, Department of Neurosurgery; Theresa Feng Chair in Neurosurgical Oncology



Martin R. Weiser, MD

Vice Chair of Faculty Affairs; Stuart H. O. Quan Chair in Colorectal Surgery



SURGEON
SCIENTISTS

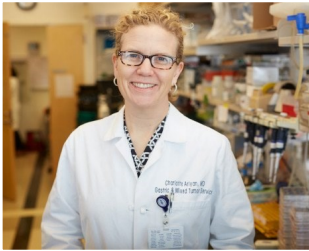


Investigation of the tumor immune microenvironment and the development of T-cell-mediated immunotherapy for thoracic malignancies and pleural-based diseases. His team has championed regional immunotherapy delivery strategies, resulting in translation of mesothelin-targeted CAR T-cell immunotherapy for malignant pleural mesothelioma, lung, and breast cancers.

Prasad S. Adusumilli
Attending

Grant Highlight

Congressionally Directed Medical Research Programs 12/1/2022 - 11/30/2027 (PI: Adusumilli)
Regional allogeneic mesothelin-targeted CAR (RamCAR) T-cell therapy for esophageal cancer: clinical trial preparation and phase I clinical trial

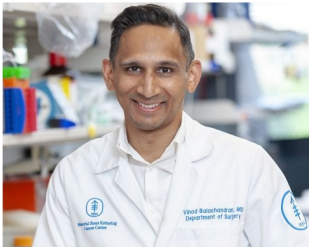


The Ariyan Lab's research focuses on new ways of allowing the immune system to fight cancer by utilizing chemotherapy or injectable viral therapy in combination with immunotherapy. In addition, the lab is focused on finding unique vulnerabilities for treatment, in rare melanoma subtypes, such as acral melanoma.

Charlotte E. Ariyan
Associate Attending

Grant Highlight

National Cancer Institute (P50) 9/2/2016 - 8/31/2023 (PI: Ariyan)
Summer Research Experiences for Medical Students Supervised by Faculty Mentors



The goal of the Balachandran lab is to discover new ways to stimulate the immune system to treat cancer through careful study of rare cancer patients with exceptional outcomes. The lab believes that deep study of these remarkable patients will identify fundamental mechanisms of how the immune system controls cancers, and accelerate the discovery of new effective drugs. The laboratory uses this approach to study pancreatic cancer, a model deadly cancer that is refractory to all treatments including immunotherapy – and specifically focus on a rare subgroup of pancreatic cancer patients with exceptional long-term survival to discover new immunotherapeutic approaches. The long-term vision of the Balachandran lab is to use a similar approach of study of biological extremes to usher in the next generation of cancer immunotherapies.

Vinod P. Balachandran
Associate Attending

Grant Highlight

National Cancer Institute (R01) 9/01/2022 - 8/31/2027 (PI: Balachandran)
Group 2 Innate Lymphoid Cell Regulation of Pancreatic Cancer Immunity



The goal of the Bott lab is to understand how tumors form and investigate new ways to treat them. His lab is working on designing new models to study cancer, and then using these experimental models to develop better treatments.

Matthew Bott
Assistant Attending

Grant Highlight

National Cancer Institute (K08) 7/1/2020 - 6/30/2025 (PI: Bott)
Exploring the combinatorial efficacy between chemotherapy and T cell checkpoint inhibition and the role of cellular senescence



Dr. Carver is studying the biology of the genetic and molecular drivers of prostate tumorigenesis, defining the therapeutic biology associated with inhibitors targeting the PI3K pathway in prostate cancer, determining mechanisms of response and resistance to PI3K and AR inhibitors in prostate cancer, developing therapeutic strategies based on our pre-clinical work for clinical trial translation in patients with high-risk localized and metastatic prostate cancer.

Brett S. Carver
Attending

Grant Highlight

National Institutes of Health (R01) 7/1/2022 - 6/30/2026 (PI: Grimm / Carver)
PSMA's enzymatic activity as new target for Prostate Cancer diagnosis and therapy



The rarity of soft tissue sarcomas has historically made the definition of genomic drivers of their initiation and progression difficult. Through copy number, whole exome and transcriptome analyses, however, common events associated with these lesions have recently been defined. The focus of the Crago laboratory is to understand how these events, in the context of a mesenchymal cell background, promote sarcoma genesis. Using in vitro and in vivo techniques, the Crago lab hopes to use this information to identify novel predictive markers and therapeutic targets with potential to inform patient care.

Aimee M. Crago
Associate Attending

Grant Highlight

National Cancer Institute (R37) 3/1/2020 - 2/28/2025 (PI: Crago)
Investigating HIF1-alpha Signaling to Identify Predictive Markers and Therapeutic Targets in Desmoid-Type Fibromatosis



The Coleman lab is focused on understanding the mechanism of disease recurrence, response to therapies and disease progression of upper tract urothelial cancer, a rare but aggressive disease. To interrogate molecular diversity of the disease, the lab employs genomics, transcriptomics, metabolomics and tumor immune microenvironment profiling of patient samples as well as patient derived organoids and xenograft models generated in our lab.

Jonathan Coleman
Attending

Grant Highlight

Congressionally Directed Medical Research Programs 9/1/2020 - 8/31/2024 (PI: Coleman)
Mechanism-based Approach for Combination Therapies with Immune Modulation for Management of Patients with Urothelial Cancers of the Upper Urinary Tract

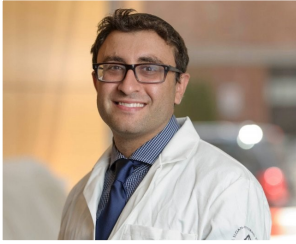


Dr. Garcia Aguilar has led National Cancer Institute–sponsored studies aimed at improving the quality of life of patients with rectal cancer by performing smaller operations and identifying individuals who might avoid surgery altogether through sufficient elimination of tumors with radiation therapy and chemotherapy. He also focuses on the identification of biomarkers that could predict rectal cancer response to radiation therapy and chemotherapy, and examination of racial disparities in outcomes for people with colorectal cancer.

Julio Garcia-Aguilar
Attending

Grant Highlight

National Cancer Institute (P50) 1/1/2019 - 12/31/2024 (PI: Thompson / Garcia-Aguilar)
Cancer Center Support Grant (Clinical Research)



A. Ari Hakimi
Associate Attending

The Hakimi Lab aims to understand immune infiltration, inflammation, and the tumor microenvironment in RCC to identify novel therapeutic targets to overcome resistance to systemic therapies. These studies apply bulk, single-cell and spatial RNA sequencing, flow cytometry, and immunogenomic analyses to both patient samples and novel, immunocompetent kidney cancer mouse lines that we have developed.

Grant Highlight

National Cancer Institute (R01) 4/8/2021 - 3/31/2026 (PI: Hakimi)
Macrophages as Modulators of T cell Function and Therapeutic Response in Clear Cell Renal Cell Carcinoma



David R. Jones
Attending

The Jones lab is investigating the underlying genomic, transcriptomic, and signal transduction mechanisms involved in lung cancer metastasis. The laboratory focuses on metastases suppressor genes and their role in biology of metastases using multiple model systems including transgenic mice, patient-derived organoids, and human biospecimens. The lab also has expertise in using tumor genomics and related bioinformatics to predict tumor recurrence following surgical resection in patients with lung adenocarcinoma. Finally, working collaboratively with the Leyden lab, the Jones lab is examining the role of exosomes and the tumor microenvironment in the development and organotropism of lung cancer metastases.

Grant Highlight

National Cancer Institute (R01) 8/1/2019 - 7/31/2024 (PI: Jones)
Targeting SNP BRMS1v2 A273V/A273V to Reduce Metastases in Lung Adenocarcinoma



Babak J. Mehrara
Attending

The Mehrara lab focuses on lymphedema and has developed a number of models to study lymphedema in the laboratory with a goal of understanding how it develops. Additionally, the Mehrara lab is studying the mechanisms that regulate lymphatic function in pathological and physiological settings. The long-term goal of the laboratory is to design novel methods including surgery and medical treatments to prevent and treat lymphedema.

Grant Highlight

National Institutes of Health (R01) 1/1/2023- 12/31/2027 (PI: Mehrara)
Mechanisms of Racial Disparity in Breast Cancer-related Lymphedema



Luc G. T. Morris
Associate Attending

The Morris lab works at the intersection of cancer genomics, molecular biology, animal models, and patient clinical data, to discover new biomarkers and new genetic drivers. The Morris lab has not only focused mainly on head and neck cancers but also on new biomarkers and genetic drivers. The lab has identified new cancer genes, developed new animal models, uncovered factors that cancers use to resist therapy or escape immune surveillance, and critically assessed genetic biomarkers that predict response to immunotherapy across multiple cancer types.

Grant Highlight

Congressionally Directed Medical Research Programs 9/1/2023 - 8/31/2027 (PI: Morris)
Defining the Genetic Determinants of Head and Neck Cancer Progression and Immune Evasion through Computational and Functional Investigation



Eugene J. Pietzak
Assistant Attending

Dr. Pietzak's research focuses on the interface between cancer genomics, epigenetics, and immunotherapy as it pertains to urothelial cancers. A current major focus is to identify predictive biomarkers of treatment response and resistance to intravesical bacillus Calmette-Guerin (BCG) and to develop novel treatment combinations that could enhance BCG's effectiveness. His long-term objective is to translate the laboratory findings into rationally designed investigator-initiated phase I/II trials of novel therapies for patients with bladder cancer.

Grant Highlight

National Institutes of Health (R37) 12/1/2022 - 11/30/2027 (PI: Pietzak)
Defining Mechanisms of Progression and Treatment Resistance in Localized Bladder Cancer



George Plitas
Associate Attending

Dr. Plitas focuses on understanding the molecular mechanisms governing the differentiation and function of CD4 T lymphocytes and their role in immunity and tolerance. Major areas of interest include: the molecular and cellular mechanisms governing the differentiation and function of regulatory T cells; the roles these cells play in control of autoimmunity, tumor immunity, and immunity to infections, and in the maintenance of immune homeostasis at environmental interfaces.

Grant Highlight

National Cancer Institute (P50) 8/13/2020 - 7/31/2025 (PI: Powell / Plitas)
Diagnosis and Treatment of APOBEC Mutagenesis in Metastatic Breast Cancer



Samuel Singer
Attending

The immediate goal of the research of the Singer lab is to increase their understanding of sarcoma biology by discovering the alterations in DNA and RNA that cause sarcomas to develop and progress. These findings allow them to improve both the accuracy of diagnosis and the accuracy of predicting treatment outcome and survival for individual patients. These better predictions, in turn, will make it possible for patients to be given the treatment (such as a specific targeted therapy, chemotherapy, or radiation) most likely to be effective for their particular tumor.

Grant Highlight

National Cancer Institute (P50) 9/1/2018 - 8/31/2024 (PI: Singer)
SPORE in Soft Tissue Sarcoma (Targeting oncogenic pathways in genetically complex sarcomas)

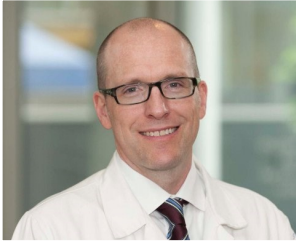


Bhuvanesh Singh
Attending

The laboratory of Bhuvanesh Singh is focused on delineating the role of ubiquitination in cancer pathogenesis.

Grant Highlight

National Institutes of Health (R01) 7/1/2019 - 6/30/2024 (PI: Singh)
Chemical Biology of the Control of Neddylation by DCN1

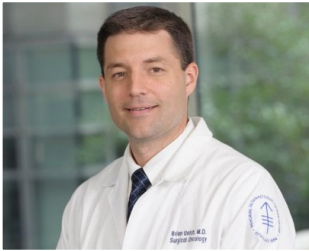


J. Joshua Smith
Associate Attending

The Smith lab focuses on making better models of rectal cancer. The lab developed the first patient-derived rectal cancer organoids. These rectal cancer organoids recapitulate the clinical and molecular features of patients with rectal cancer and uniquely reflect the clinical responses to therapy of the patients from which they were derived. The focus is on improving response to neoadjuvant therapies for patients with rectal cancer by developing better disease models.

Grant Highlight

National Cancer Institute (R37) 3/1/2020 - 2/28/2025 (PI: Smith)
Expansion of Tumoroid Models for Precise Treatment of the Rectal Cancer Patient



Brian R. Untch
Assistant Attending

Dr. Untch is exploring the mechanisms of thyroid and gastrointestinal tumor progression and responses to therapy. Using genetically accurate models of cancer, the lab explores why certain tumors are more aggressive than others and how best to treat these with various interventions.

Grant Highlight

Neuroendocrine Tumor Research Foundation 10/1/2021 - 9/30/2022 (PI: Untch)
Targeting Vulnerabilities in pNETs with MEN1 Loss



Richard J. Wong
Attending

The Wong lab focuses on elucidating the molecular and cellular mechanisms underlying perineural invasion, tumor innervation, and tumor neurogenesis. They have identified a variety of ligand receptor-mediated interactions between cancer cells and the nerve microenvironment that reflect active communication and facilitate perineural invasion. The explore how perineural invasion is enabled by reciprocal interactions between cancer cells and the nerve microenvironment. Ultimately, the lab aims to translate these discoveries into novel therapies aimed at interrupting this aggressive form of cancer progression.

Grant Highlight

National Cancer Institute (T32) 7/1/2019 - 6/30/2024 (PI: Wong / Fagin)
Head and Neck Training Program in Surgical Oncology

DoS Research Scientists



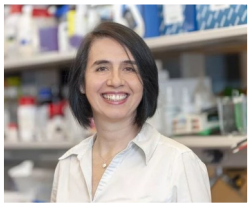
Sigrid Carlsson
Assistant Attending

Dr. Carlsson's research focuses on screening and early detection of prostate cancer, including multiplex testing and risk-stratified strategies that incorporate clinical information, biomarkers and magnetic resonance imaging.



Jayasree Chakraborty
Assistant Attending

Dr. Chakraborty's research interest includes applications and developments of machine learning strategies in image and video processing to solve cutting edge problems.



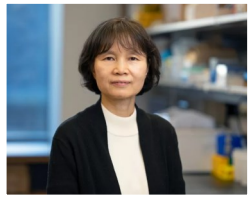
Sylvie Deborde
Assistant Attending

Dr. Deborde's research interest is to investigate the cellular and molecular mechanisms of cancer invasion in the nerves. She studies how Schwann cells participate in the process of perineural invasion.



Raghu P. Kataru
Assistant Attending

Dr. Kataru's research revolves around pathophysiological aspects of lymphatic system (lymphatic vessels, lymph nodes) in tumors, secondary lymphedema and chronic obesity.



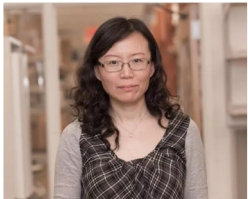
Kwanghee Kim
Assistant Attending

Dr. Kim's research specialty is in the field of urologic cancer, with an emphasis on the efficacy and mechanism of vascular targeted photodynamic therapy as well as genomic and biological characterization of upper tract urothelial cancer.



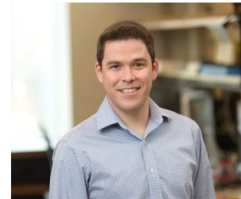
Hans G. Lilja
Attending

Dr. Lilja is primarily interested in circulating tumor markers that predict the development and progression of prostate cancer, as well as the possibility that these related markers play a key role in the pathogenesis of prostate cancer.



Yuan Liu
Associate Attending

Dr. Liu's research focuses on investigating associations between tumor genomics, recurrence, and disease-free survival (DFS) in patients with early-stage lung adenocarcinoma (LUAD).



Francisco Sanchez-Vega
Assistant Attending

Dr. Sanchez-Vega's research focuses on translational applications of machine learning, statistical modeling and computational methods to the field of cancer genomics and precision oncology.



Britta Weigelt
Associate Attending

The Weigelt lab focuses on the use of high-throughput genomics and functional genomics to identify drivers of rare gynecologic cancer types, and to define the clinical and biological significance of intra-tumor phenotypic and genetic heterogeneity in these tumors. Dr. Weigelt lab is devising strategies to overcome the challenges posed by intra-tumor genetic heterogeneity, based on state-of-the-art sequencing analyses of circulating cell free (cf)DNA and of single cells. By bringing together traditional pathological techniques with genetic analyses and functional studies, the Weigelt lab seeks to refine the classification of gynecologic cancers and identify novel drivers and potential therapeutic targets of specific tumor types.

DoS T32 Research Training Grants

Surgical Oncology Research Training Grant

Established: 1985 — 2021-2023 Fellows: 6

Principal Investigator: Babak J. Mehrara, MD

The T32 Surgical Oncology Research Training Program has supported the research careers of young trainee surgeons over the past 35 years.

The ultimate objective of the program is to teach the scientific method and research techniques so that the trainees can perform high-quality independent research on topics ranging the full spectrum of oncology upon completion of their surgical training. This research experience will enable trainees to apply for positions as junior faculty members in academic institutions and become independent clinical and translational researchers.

Head and Neck Training Program in Surgical Oncology

Established: 1992 — 2021-2023 Fellows: 3

Principal Investigators: Richard J. Wong, MD and James A. Fagin, MD

The mission of the Head and Neck T32 program is to train a highly selected group of talented head and neck oncologic surgeons to become high-caliber translational scientists and future academic leaders who will be positioned to advance the management of head and neck cancers.

Each year, two new postdoctoral (MD or MD/PhD degrees) trainees are appointed to the Head and Neck T32 training grant for two contiguous years of dedicated research training. During this period, Head and Neck T32 trainees engage full-time in basic or translational mentored research related to head and neck cancers.

Urologic Oncology Research Training Grant

Established: 1999 — 2021-2023 Fellows: 4

Principal Investigator: Brett S. Carver, MD

The primary objective of the T32 Urologic Oncology Research Training Program has been to train select urologists for productive careers in translational research in urologic oncology.

Each year, 2 highly committed postdoctoral trainees from the Urologic Oncology Fellowship Program at MSK are selected for the T32 Urologic Oncology Research Training Program. In the past 10 years, 90% of T32 trainee graduates have matriculated to faculty positions at academic institutions and are engaged in laboratory and/or clinical research aimed at understanding and overcoming genitourinary cancers.

DoS Faculty Members Elected to National Societies

American Surgical Association

Prasad S. Adusumilli, MD

Manjit S. Bains, MD

Bernard H. Bochner, MD

Murray F. Brennan, MD

Hiram S. Cody, III, MD

Daniel G. Coit, MD

Michael I. D'Angelica, MD

Joseph J. Disa, MD

Jeffrey A. Drebin, MD, PhD

James A. Eastham, MD

Justin T. Gerstle, MD

William R. Jarnagin, MD

David R. Jones, MD

T. Peter Kingham, MD

Evan Matros, MD

Babak J. Mehrara, MD

Daniela Molena, MD

Monica Morrow, MD

Bernard J. Park, MD

Philip B. Paty, MD

Gaetano Rocco, MD

Valerie W. Rusch, MD

Paul Russo, MD

Jatin P. Shah, MD

Ashok R. Shaha, MD

Samuel Singer, MD

Vivian E. Strong, MD

Vivian S. Tabar, MD

Kimberly J. Van Zee, MD

Alice C. Wei, MD

Martin R. Weiser, MD

Richard J. Wong, MD

National Academy of Medicine

Murray F. Brennan, MD

Jeffrey A. Drebin, MD, PhD

Vivian S. Tabar, MD

American Society of Clinical Investigation

Prasad S. Adusumilli, MD

Luc G.T. Morris, MD

Vivian S. Tabar, MD

MSK Surgical Scholars Program: Cultivating Excellence in Surgery and Research

The MSK Surgical Scholars Program has emerged as a pioneering initiative, providing a transformative platform for gap-year, prospective medical students to immerse themselves in surgical practice and cutting-edge research while applying and preparing for medical school. This program is led by Dr. Vivian Strong, Vice Chair of Surgical Outcomes and Innovations, and our program coordinator is Ivan Gerena. Since its inception last year, the program has cultivated a dynamic learning environment for five remarkable scholars. Their journeys and accomplishments are a testament to the program's commitment to fostering the future leaders of academic medicine.



DR. VIVIAN STRONG



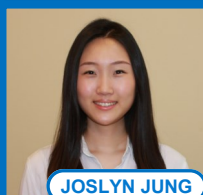
VARUN AYSOLA

Varun worked under the mentorship of Dr. Daniel Prince and Dr. Max Vaynrub in the Orthopaedic Service. He contributed to a prospective study focused on distraction osteogenesis methods in patients with primary osseous tumors. He also led investigated the role of sarcopenia in predicting pathologic vertebral body fractures after radiotherapy. He is currently a first-year medical student at University of Cincinnati College of Medicine.



HARRISON DREBIN

Harrison Drebin conducted research under the guidance of Dr. Vivian Strong and Dr. Ned Bartlett, venturing into the world of translational and clinical gastric cancer and melanoma research. Harrison spearheaded a retrospective study probing the effectiveness of sentinel lymph node mapping in gastric cancer, work that was accepted and presented at the Society of Surgical Oncology meeting. Collaborating with Pathologist Dr. Laura Tang, he investigated the genomic signature of histological subtypes of gastric cancer and presented this work as lead author at the International Gastric Cancer Congress. He led a sentinel lymph node study in melanoma under the guidance of Dr. Ned Bartlett which he presented at a national meeting, the SSO.



JOSLYN JUNG

Joslyn Jung worked under the mentorship of Dr. Kevin Soares and Dr. William Jarnagin in the Hepatobiliary Service. She worked on Preoperative Risk Factors Associated with Conversion of Minimally Invasive Distal Pancreatectomy. Her work on this project has been pivotal in understanding the factors associated with conversion from minimally invasive approaches to open approaches and will guide surgeons in preoperative planning and patient counseling. Joslyn will be starting medical school in August 2023 at the University of Virginia.



DANIELLE KONG

Danielle Kong worked under the guidance of Dr. Iris Wei in the Division of Colorectal Surgery. She focused on a prospective study looking at the feasibility and outcomes of ambulatory minimally invasive colectomies using an "accelerated" ERAS program. She also worked on projects examining readmissions due to dehydration after ileostomy creation and outcomes after surgery for malignant small bowel obstructions. Danielle is now a medical student at Hackensack Meridian School of Medicine.



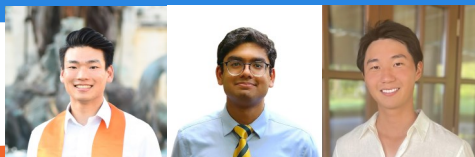
ELIZABETH SMITH

Elizabeth Smith spent her year under the guidance of Dr. Carrie Stern in the Department of Plastic and Reconstructive Surgery. She worked on the development of an aesthetic grading tool for autologous breast reconstruction, as well as "Breast Reconstruction and Changes in Body Habitus: Autologous vs. Implant-Based Reconstruction" and "Patient Reported Outcomes and Nipple Position following Nipple-Sparing Mastectomy (NSM): a Prospective Examination of Prepectoral and Subpectoral Patients." She has decided to spend another year doing research before starting medical school.

As the MSK Surgical Scholars Program embarks on its second year, the roster of scholars continues to expand, welcoming new talents who are poised to make their mark. The second year of scholars include:

- Charles Jiang, The University of Texas at Austin (undergrad), Goucher College (post-bac)
- Aravind Sreeram, The College of William & Mary (undergrad)
- Andrew Chi, Vanderbilt University (undergrad)
- Elizabeth Smith, Yale University (undergrad), Hunter College (grad), City College of NY (post-bac)

This year's cohort is primed to carry forward the legacy of academic excellence and innovation. By championing the fusion of surgery and research, the program will continue to encourage education, camaraderie, and growth.



For further details and additional scholar information, please visit the official MSK Surgical Scholars Program website <https://www.mskcc.org/hcp-education-training/fellowships/surgical-scholars> or contact our program coordinator (Ivan Gerena Gerenal@mskcc.org) or the physician lead of the program Dr. Vivian Strong (strongv@mskcc.org).

Research Fellows & Scholars



Janet Alvarez
Research Scholar



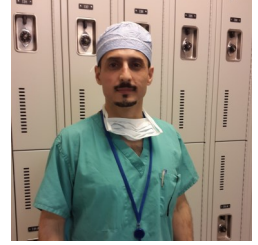
Alfredo Amador Molina
Research Associate



Misha Armstrong
Research Scholar



Tetsuhiko Asao
Visiting Investigator



Ahmad Barezai
Visiting Investigator



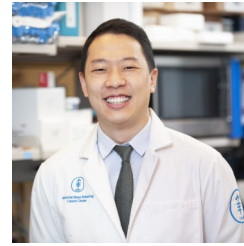
Anthony Bozzo
Research Fellow



Kevin Branch
Research Fellow



Stav Brown
Research Fellow



Alexander Byun
Research Fellow



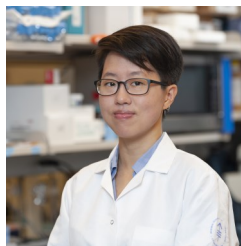
Adana-Christine Campbell
Research Scholar



Jayasree Chakraborty
Senior Research Scientist



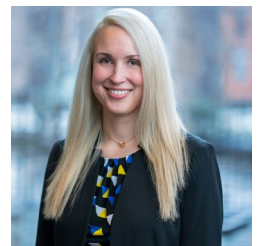
Chun-Hao Chen
Senior Research Scientist



Jennie Choe
Research Fellow



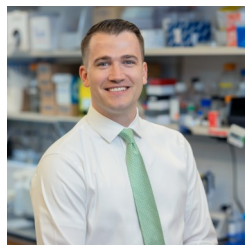
Christian Dagher
Research Fellow



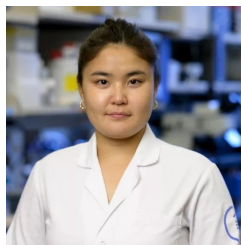
Lauren Drake
Research Fellow



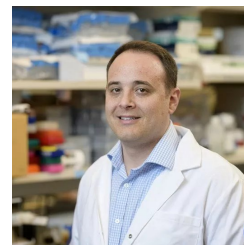
Elizabeth Dunne
Research Fellow



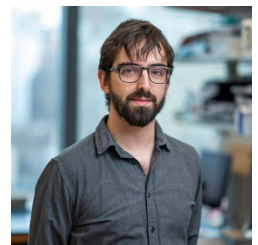
Cameron Fick
Research Scholar



Undrakh Ganbaatar
Research Fellow



Daniel Gross
Research Fellow



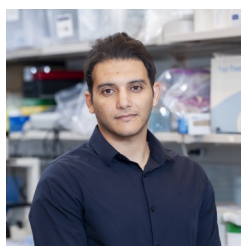
Pablo Guasp-Baratech
Research Fellow



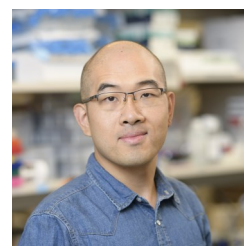
Jon Heiselman
Research Fellow



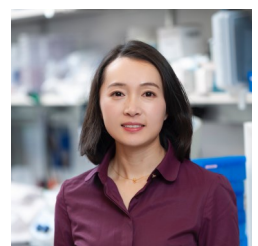
Karri Hester
Research Fellow



Rachid Hocine Hocine
Senior Research Scientist



Zhaohua Hou
Senior Research Scientist



Hui Jiang
Research Associate

Research Fellows & Scholars



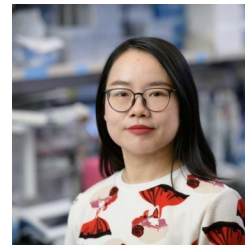
Raghu Kataru
Senior Research Scientist



Minji Kim
Graduate Research Assistant



Manendra Lankadasari
Research Fellow



Yan Li
Visiting Investigator



**Manu Prasad
Madhusoodanan Nair**
Research Scholar



Georgios Margonis
Senior Research Scientist



Nicole Narayan
Research Fellow



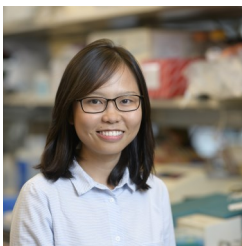
Naaz Nasar
Research Fellow



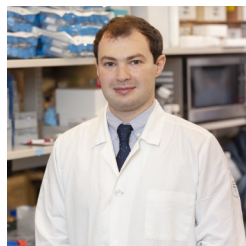
Dana Omer
Research Scholar



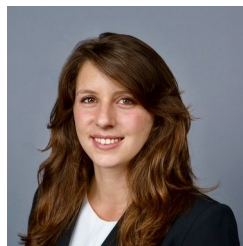
Natalia Polidorio Machado
Visiting Investigator



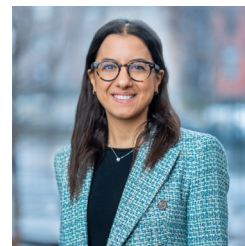
Hue T. Quach
Research Associate



David Restle
Research Fellow



Roni Rosen
Research Scholar



Viviana Rubino
Research Fellow



Laurie Schleimer
Research Fellow



Monazza Shahab
Research Scholar



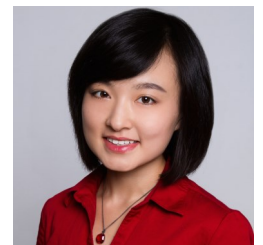
Shoji Shimada
Visiting Investigator



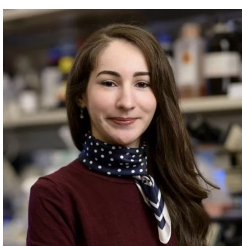
Annu Singh
Senior Research Scientist



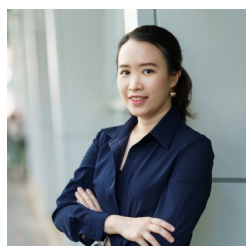
Maria Skamagki
Senior Research Scientist



Yi Song
Research Associate



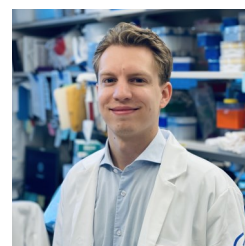
Meriem Taleb
Research Fellow



**Thikhamporn
Tawantanakorn**



Stijn Vanstraelen
Research Fellow

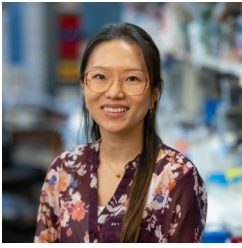


Floris Verheij
Graduate Research Assistant



Rajasekhar Vinagolu
Senior Research Scientist

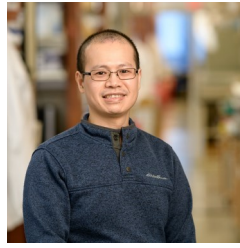
Research Fellows & Scholars



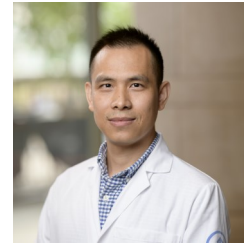
Qi Wang
Research Scholar



Hannah Williams
Research Fellow



Chao Wu
Senior Research Scientist



Yuquan Xiong
Senior Research Scientist

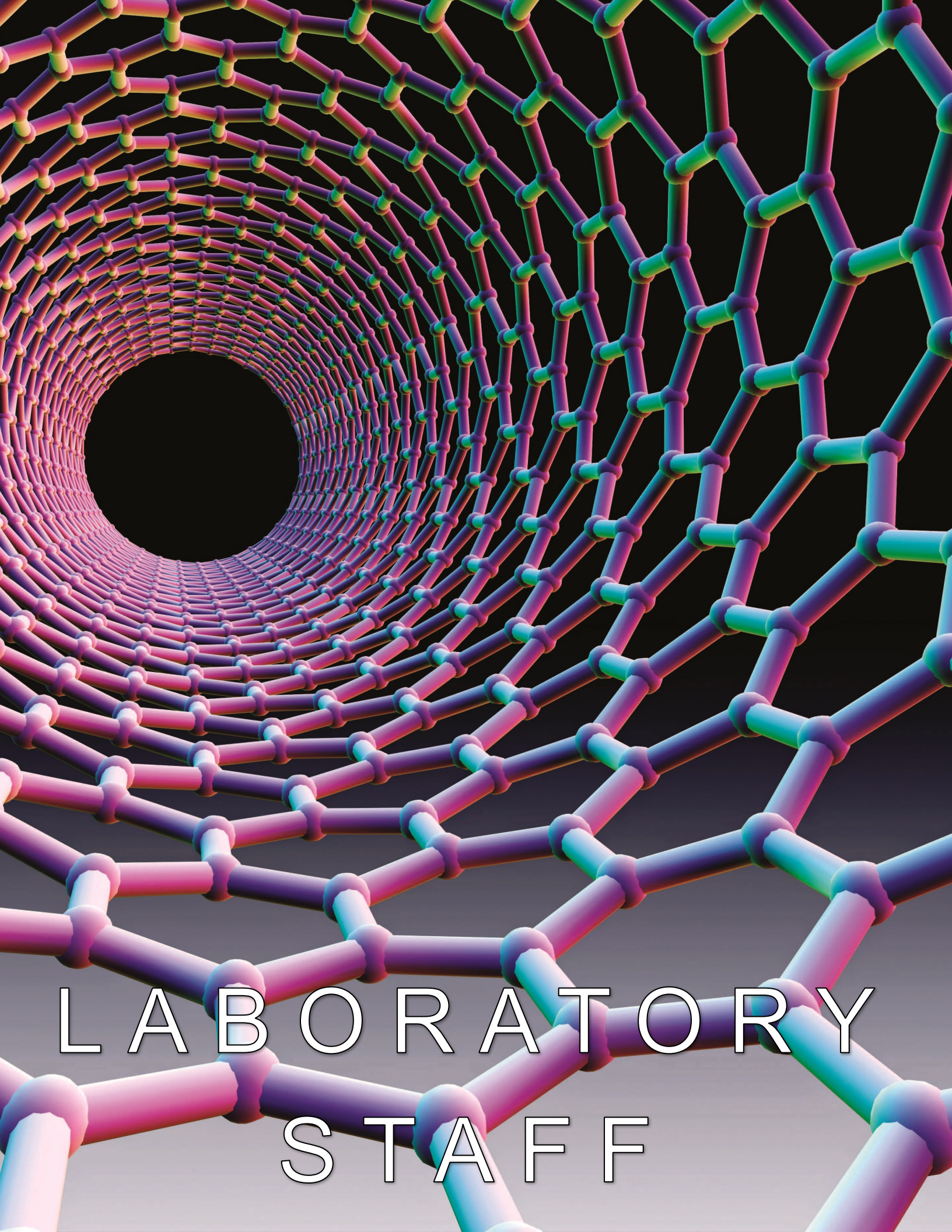


Kevin Zhang
Graduate Research Assistant

Miseker Abate, Research Scholar; **Dauren Adilbay**, Visiting Investigator; **Nicole Aguirre**, Research Fellow; **Masataka Amisaki**, Research Scholar; **Andreas Aulitzky**, Research Fellow; **Jungeun Baik**, Research Associate; **Richard Bakst**, Visiting Investigator; **Nathalie Beets**, Graduate Research Assistant; **Erik Oskar Bergengren**, Research Fellow; **Thomas Boerner**, Senior Research Scientist; **Jeske Bubergerman**, Graduate Research Assistant; **James Cevallos**, Graduate Research Assistant; **Seo-Hyun Choi**, Senior Research Scientist; **Jacqueline Chu**, Graduate Research Assistant; **Sebastian Chung**, Research Fellow; **Zack Cohen**, Research Fellow; **Arnaud Da Cruz Paula**, Senior Research Scientist; **Manuel De Jesus Escano**, Research Associate; **Xinzhu Deng**, Senior Research Scientist; **Ellis Eikenboom**, Graduate Research Assistant; **Lennert Eismann**, Research Fellow; **Luis Rojas Exposito**, Research Associate; **Sanaz Firouzi**, Senior Research Scientist; **Makoto Fujiwara**, Senior Research Scientist; **Yajing Gao**, Visiting Investigator; **Aiste Gulla**, Visiting Investigator; **Yang Guo**, Research Fellow; **Lynn Hakki**, Research Fellow; **Yoshinori Handa**, Research Scholar; **Caitlin Harrington**, Research Associate;

Di He, Research Associate; **Jian Hu**, Senior Research Scientist; **Jia Hu**, Senior Research Scientist; **Guochang Huang**, Senior Research Scientist; **Hans Huber**, Research Fellow; **Cristanta Ilagan**, Visiting Investigator; **Swati Jain**, Research Fellow; **Therese Juul**, Visiting Investigator; **Asama Khan**, Research Associate; **Young-Mi Kim**, Senior Research Scientist; **Leslie Kim**, Research Associate; **Samantha Kraus**, Graduate Research Assistant; **Natalia Kudinova**, Visiting Investigator; **Harry Lengel**, Research Fellow; **Riccardo Leni**, Research Fellow; **Allison Letica-Kriegel**, Research Fellow; **Ningsheng Liu**, Senior Research Scientist; **Josephine Magrin**, Research Fellow; **Francesca Manara**, Research Scholar; **Jorge Mansilla-Soto**, Senior Research Scientist; **Regina Matar**, Research Fellow; **Sarah McIntyre**, Visiting Investigator; **Rodrigo Gularte Merida**, Senior Research Scientist; **Laure Michaud**, Research Fellow; **Edwin Morrison**, Visiting Investigator; **Aradhya Nigam**, Research Fellow; **Alexandru Sorin Nistor**, Visiting Investigator; **Lucas Nogueira**, Visiting Investigator; **Luis Felipe Couto Novaes**, Research Fellow; **Tomoyo Okada**, Senior Research Scientist;

Hyeung Ju Park, Senior Research Scientist; **Byung Park**, Visiting Investigator; **Parag Patwardhan**, Senior Research Scientist; **Francesco Pellegrino**, Research Fellow; **Ethan Plotsker**, Graduate Research Assistant; **Katherine Prendergast**, Research Scholar; **William Preston**, Research Fellow; **Eric Rios-Doria**, Research Fellow; **Katiana Vazquez Rivera**, Research Fellow; **Robyn Rubenstein**, Research Fellow; **Daniel Scholfield**, Research Fellow; **Simone Luca Antonio Scuderi**, Research Fellow; **Zachary Sethna**, Research Scholar; **Asma Siddiqui**, Research Fellow; **Pavel Stupakov**, Research Fellow; **Julia Tengelin**, Research Scholar; **Hannah Thompson**, Research Fellow; **Samantha Thorogood**, Research Fellow; **Hong Troung**, Visiting Investigator; **Vladislav Tsiperson**, Senior Research Scientist; **Mandakini Venkatramani**, Research Scholar; **Perri Vingan**, Graduate Research Assistant; **Joris Vos**, Research Fellow; **Lynda Vuong**, Senior Research Scientist; **Jingming Wang**, Visiting Investigator; **Donovan White**, Research Fellow; **Sun Yao**, Research Scholar; **Changhwan Yoon**, Senior Research Scientist; **Abderezak Zebboudji**, Research Associate



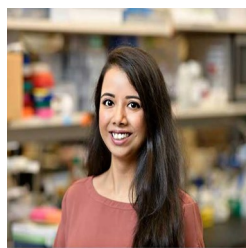
LABORATORY

STAFF

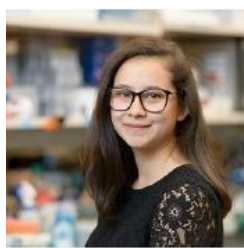
DoS Laboratory Staff



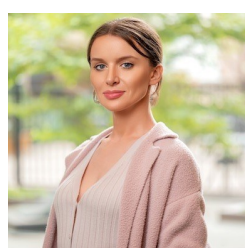
Gopika Ashokan
Senior Research Technician



Srijita Banerjee
Research Assistant



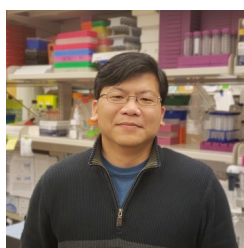
Rebecca Bellis
Senior Research Technician



Paulina Bleu
Research Assistant



Raktim Borpatragohain
Research Technician



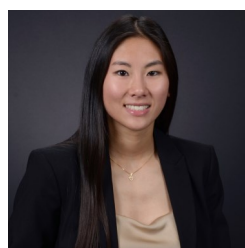
Chin-Tung Chen
Research Associate



Navin Chintala
Senior Research Assistant



Rebecca Dubrovsky
Research Technician



Marisa Lazarus
Research Technician



Kyohei Misawa
Senior Research Technician



Orhan Nedim Kurt
Senior Research Technician



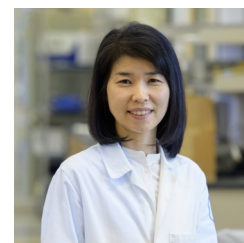
Laura Pereira Alvim
Research Technician



Caoimhe Ryan
Research Technician



Golbahar Sadatrezaei
Senior Research Technician



Jinyeon Shin
Research Assistant



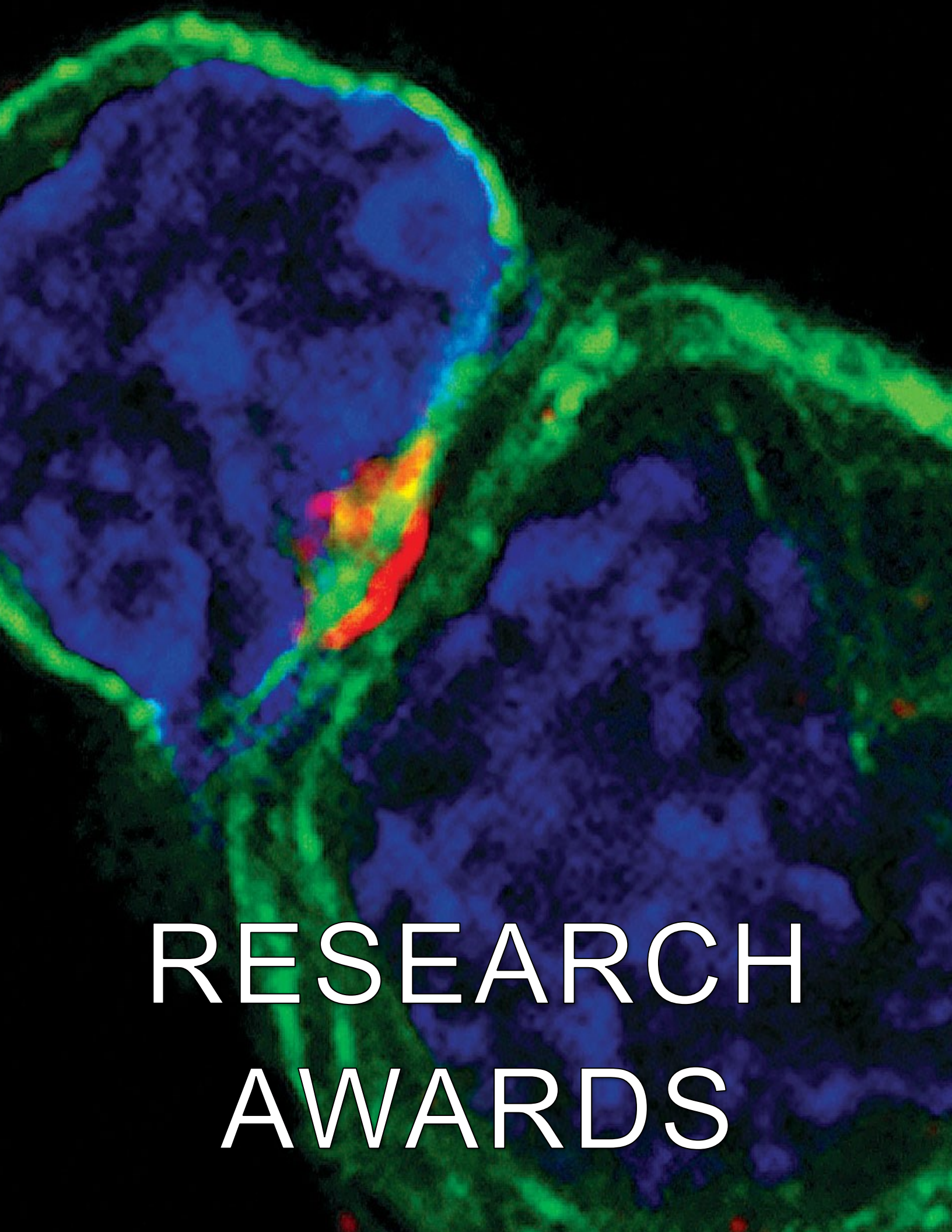
Gopika Sivan Pillai
Research Technician



Carlos Thomas
Senior Research Assistant



Jesus Guzman Valle
Senior Research Technician



RESEARCH AWARDS

Federal Research Grants (Active During 2021-2023 Academic Years)

Name	Role	Service	Funding Organization	Name of Grant
Adusumilli, Prasad	Principal Investigator	Thoracic	DoD/CDMRP	Regional allogeneic mesothelin-targeted CAR (RamCAR) T-cell therapy for esophageal cancer: clinical trial preparation and phase I clinical trial
Adusumilli, Prasad	Principal Investigator	Thoracic	NIH/NCI C01 U01	The EDNRN Mesothelioma Biomarker Discovery Laboratory
Adusumilli, Prasad	Principal Investigator	Thoracic	NIH/NCI R01	A phase I/II combination immunotherapy clinical trial: mesothelin-targeted chimeric antigen receptor T cells and checkpoint blockade agent in pleural mesothelioma
Adusumilli, Prasad	Principal Investigator	Thoracic	NIH/NCI R01	Image-guided irreversible electroporation directed CAR T-cell delivery to solid tumors
Ariyan, Charlotte	Principal Investigator	Gastric and Mixed Tumor	NIH/NCI R25	Summer research experiences for medical students supervised by faculty mentors
Balachandran, Vinod	Principal Investigator	Hepatopancreatobiliary	NIH/NCI R01	Group 2 Innate Lymphoid Cell Regulation of Pancreatic Cancer Immunity
Barrio, Andrea	Principal Investigator	Breast	NIH/NCI R03	Sentinel Lymph Node Biopsy after Neoadjuvant Chemotherapy in Patients Presenting with Locally Advanced Breast Cancer: A Prospective Study
Barrio, Andrea	Co-Principal Investigator	Breast	NIH/NCI R01	Mechanisms of racial disparity in breast cancer-related lymphedema
Carlsson, Sigrid	Principal Investigator	Urology	NIH/NCI U01	Influence of intra-individual variability in serial screening samples on clinical decision-making for risk stratification and biopsy by a single PSA and additional markers (Fred Hutchinson Cancer Center)
Carver, Brett	Principal Investigator	Urology	NIH/NCI R01	PSMA's enzymatic activity as new target for Prostate Cancer diagnosis and therapy

Federal Research Grants (Continued)

Name	Role	Service	Funding Organization	Name of Grant
Carver, Brett	Principal Investigator	Urology	NIH/NCI P50	Project 2: Overcoming Microenvironment-Mediated Resistance to AR Pathway Inhibition in High-Risk Prostate Cancer
Carver, Brett	Principal Investigator	Urology	NIH/NCI T32	T32 Urologic Oncology Research Training Program
Crago, Aimee	Principal Investigator	Gastric and Mixed Tumor	NIH/NCI R37	Investigating HIF1-alpha Signaling to Identify Predictive Markers and Therapeutic Targets in Desmoid-Type Fibromatosis
D'Angelica, Michael	Co-Principal Investigator	Hepatopan-creatobiliary	NIH/NCI R01	Histopathologic validation of 89Zr-DFO-HuMab-5B1 PET/CT imaging in CA 19-9 positive pancreatic cancer
Downs-Canner, Stephanie	Principal Investigator	Breast	NIH/NCI K08	The role of B-cells in the anti-tumor immune response in triple negative breast cancer
Eastham, James	Principal Investigator	Urology	NIH/NCI P50	Career Enhancement Program
Hakimi, Abraham	Principal Investigator	Urology	DoD/CDMRP	The role of TREM2-expressing macrophages in the obesity paradox in clear cell renal cell carcinoma
Hakimi, Abraham	Principal Investigator	Urology	NIH/NCI R01	Macrophages as modulators of T cell function and therapeutic response in clear cell renal cell carcinoma
Jarnagin, William	Co-Principal Investigator	Hepatopan-creatobiliary	NIH/NCI U01	Improving Outcome in Patients with Advanced Intrahepatic Cholangiocarcinoma: A Randomized Phase II Study of Gemcitabine and Oxaliplatin With or Without Regional Floxuridine (FUDR)
Jarnagin, William	Co-Principal Investigator	Hepatopan-creatobiliary	NIH/NCI R01	Deformation Corrected Image Guided Laparoscopic Liver Surgery

Jones, David R.	Principal Investigator	Thoracic	NIH/NCI R01	BRMS1-mediated suppression of metastases in p53 mutant lung adenocarcinoma
Kingham, T Peter	Principal Investigator	Hepatopan-creatobiliary	NIH/NCI R01	Mentoring a Nigerian junior investigator with a mixed-methods analysis of barriers to colorectal cancer presentation in Nigeria
Kingham, T Peter	Principal Investigator	Hepatopan-creatobiliary	NIH/NCI D43	Expanding cancer research capacity in Nigeria with team science
Kingham, T Peter	Principal Investigator	Hepatopan-creatobiliary	NIH/NCI R01	Determining the risk factor profile and biology of colorectal cancer in Nigeria
Kingham, T Peter	Principal Investigator	Hepatopan-creatobiliary	NIH/NCI UH3	Point of care, real-time urine metabolomics test to diagnose colorectal cancers and polyps in low- and middle-income countries
Long Roche, Kara	Principal Investigator	Gynecology	DoD/CDMRP	Implantable Nanosensor for Early-Stage Ovarian Cancer Detection
Matulewicz, Richard	Principal Investigator	Urology	NIH/NCI K08	Optimizing a Smoking Cessation Intervention for Veterans with Bladder Cancer
Mehrara, Babak	Principal Investigator	Plastic and Reconstructive	NIH/NIAMS R21	Role of epidermis in regulating inflammatory skin manifestations of post-surgical lymphedema
Mehrara, Babak	Principal Investigator	Plastic and Reconstructive	NIH/NCI R01	Mechanisms of racial disparity in breast cancer-related lymphedema
Mehrara, Babak	Principal Investigator	Plastic and Reconstructive	NIH/NIA R21	Molecular mechanisms of age-related lymphatic dysfunction
Mehrara, Babak	Principal Investigator	Plastic and Reconstructive	NIH/NCI R01	Lymphatic regulation of lymph node function in lupus (Hospital for Special Surgery)

Federal Research Grants (Continued)

Name	Role	Service	Funding Organization	Name of Grant
Molena, Daniela	Co-Principal Investigator	Thoracic	DoD/CDMRP	Regional allogeneic mesothelin-targeted CAR (RamCAR) T-cell therapy for esophageal cancer: clinical trial preparation and phase I clinical trial
Morris, Luc	Principal Investigator	Head and Neck	DoD/CDMRP	Deciphering altered metabolism and immune evasion in FAT1-mutated head and neck cancer
Morris, Luc	Principal Investigator	Head and Neck	NIH/NIDCR R01	Identifying and targeting neoantigens in aggressive salivary carcinomas
Morrow, Monica	Co-Principal Investigator	Breast	NIH/NCI R01	Deciphering the Acidic Tumor Environment: A Phase I/IIa Study of Pre-Operative Multiparametric MRI and pHLIP® ICG Intra-Operative Fluorescence Imaging of Primary Breast Cancer
Pietzak, Eugene	Principal Investigator	Urology	NIH/NCI R37	Defining Mechanisms of Progression and Treatment Resistance in Localized Bladder Cancer
Sihag, Smita	Principal Investigator	Thoracic	DoD/CDMRP	Understanding and Overcoming Treatment Resistance in MDM2-Amplified Esophageal
Singer, Samuel	Principal Investigator	Gastric and Mixed Tumor	NIH/NCI P50	SPORE in Soft Tissue Sarcoma
Smith, Jesse Joshua	Principal Investigator	Colorectal	NIH/NCI R37	Expansion of Tumoroid Models for Precise Treatment of the Rectal Cancer Patient
Smith, Jesse Joshua	Principal Investigator	Colorectal	NIH/NCI R37	Diversity Supplement to Expansion of Tumoroid Models for Precise Treatment of the Rectal Cancer Patient
Wei, Alice	Principal Investigator	Hepatopan-creatobiliary	NIH/NCI P50	Total Neoadjuvant Therapy (TNT) for Borderline Resectable and Locally Advanced Pancreatic Adenocarcinoma
Wong, Richard	Principal Investigator	Head and Neck	NIH/NCI T32	Head and Neck Training Program in Surgical Oncology

Foundation Research Grants (Awarded During 2021-2023 Academic Years)

Name	Role	Service	Funding Organization	Name of Grant
Abramson, David	Principal Investigator	Ophthalmic Oncology	The Gerber Foundation	Non-invasive liquid biopsy for retinoblastoma to improve diagnosis and customize care for children
Adusumilli, Prasad	Principal Investigator	Thoracic	Technology Development Fund	CAR T-cell therapy with IL-7 receptor-targeted CARs with IL7R CRISPR
Adusumilli, Prasad	Principal Investigator	Thoracic	Center for Experimental Therapeutics	Translational T cell therapies for solid tumors
Adusumilli, Prasad	Principal Investigator	Thoracic	Cycle for Survival	Cycle for Survival's 2021 fundraising and Fred's Team's 2020 fundraising
Ariyan, Charlotte	Principal Investigator	Gastric and Mixed Tumor	Philanthropic Funds	The Carol Bassok Lowenstein Chair
Ariyan, Charlotte	Principal Investigator	Gastric and Mixed Tumor	Philanthropic Funds	Heineman-Russell Family Foundation Melanoma Research Fund
Balachandran, Vinod	Principal Investigator	Hepatopan-creatobiliary	Technology Development Fund	Engineering recombinant IL33 for pancreatic cancer immunotherapy
Bochner, Bernard	Principal Investigator	Urology	Philanthropic Funds	The Kidd Family Endeavor Fund for Immunotherapy Research
Bott, Matthew	Co-Principal Investigator	Thoracic	Druckenmiller Center for Lung Cancer Research	Hepatic Ablation of Metastases to Modulate and Enhance immunotherapy Response (HAMMER) in non-small cell lung cancer, a phase II randomized trial
Bott, Matthew	Principal Investigator	Thoracic	American Association for Thoracic Surgery	Targeting Cyclin E to Improve Responsiveness to Therapy in KRAS-Mutant Lung Cancer
Carlsson, Sigrid	Principal Investigator	Urology	Prostate Cancer Foundation (formerly CaP CURE)	Prostate Cancer Foundation (PCF) Guidelines for Prostate Cancer in Black Men in the U.S.

Foundation Research Grants (Continued)

Name	Role	Service	Funding Organization	Name of Grant
Carlsson, Sigrid	Principal Investigator	Urology	Projects in Patient and Family-Centered Care	Development of decision support tools to improve decision-making in patients undergoing radical cystectomy for bladder cancer
Coriddi, Michelle	Principal Investigator	Plastic and Reconstructive	Plastic Surgery Foundation	Patient-Reported Outcome Measures to predict Breast-Cancer Related Lymphedema
Cracchiolo, Jennifer	Principal Investigator	Head and Neck	Projects in Patient and Family-Centered Care	Enhancing Electronic Patient Self-Reporting for Better Clinical Care During Hospitalization
Ehdaie, Behfar	Co-Principal Investigator	Urology	Prostate Cancer Foundation (formerly CaP CURE)	Enhancing Antigen Presentation and Anti-Tumor Immunity for Prostate Cancers through an Intratumorally Delivered, Fc-Enhanced Anti-CD40 Antibody Therapy
Forsberg, Jonathan	Principal Investigator	Orthopedic	Memorial Sloan Kettering Cancer Center	The International Bone Metastasis Registry
Francis, Jasmine	Co-Principal Investigator	Ophthalmic Oncology	The Gerber Foundation	Non-invasive liquid biopsy for retinoblastoma to improve diagnosis and customize care for children
Francis, Jasmine	Principal Investigator	Ophthalmic Oncology	Histiocytosis association	A Study of the Spectrum of Visual Function and Choroidal Structure in Patients with Histiocytosis
Garcia Aguilar, Julio	Co-Principal Investigator	Colorectal	Philanthropic Funds	Rectal Cancer Research Fund
Gemignani, Mary	Principal Investigator	Breast	Manhasset Women's Coalition Against Breast Cancer	Funding of Collaborative Project with Dr. Gemignani & Dr. Goldfarb: Young Women's Breast Cancer Project

Gerstle, Justin	Principal Investigator	Pediatric Surgical	Philanthropic Funds	Cycle for Survival - Neuroblastoma
Goh, Alvin	Principal Investigator	Urology	Intuitive Foundation	Generalized robotic skills assessment using machine-learning based analysis across surgical multispecialties
Goh, Alvin	Principal Investigator	Urology	Projects in Patient and Family-Centered Care	Development of decision support tools to Improve decision-making in patients undergoing radical cystectomy for bladder cancer
Hakimi, Abraham	Principal Investigator	Urology	Alan and Sandra Gerry Metastasis and Tumor Ecosystems Center	Immunometabolic Coevolution as a Determinant of Response to Immunotherapy in ccRCC
Hakimi, Abraham	Principal Investigator	Urology	American Institute for Cancer Research	Investigating the Immunologic Basis of the Obesity Paradox in Renal Cell Carcinoma
Healey, John	Principal Investigator	Orthopedic	Omega Medical Grants Association	OMeGA Fellowship Grant 2021-2022
Jones, David	Principal Investigator	Thoracic	Philanthropic Funds	Florida Funds for Esophageal Cancer Research
Kingham, T Peter	Principal Investigator	Hepatopan-creatobiliary	Oak Foundation	Nigerian Cancer Research Training Programme
Kingham, T Peter	Principal Investigator	Hepatopan-creatobiliary	Icahn School of Medicine at Mount Sinai	Improving Breast Health in Nigeria Through Mobile Technology or Standardizing Breast Cancer Surgical Quality in Nigeria
Lee, Minna	Principal Investigator	Breast	MSKCC Society	Implications of homologous recombination deficiency upon the hormone responsiveness of breast cancer
Lenis, Andrew	Principal Investigator	Urology	Conquer Cancer Foundation of the American Society of Clinical Oncology	Genomic heterogeneity in variant histology bladder cancer as a driver of lymph node metastases and resistance to immunotherapy

Foundation Research Grants (Continued)

Name	Role	Service	Funding Organization	Name of Grant
Long Roche, Kara	Co-Principal Investigator	Gynecology	The Honorable Tina Brozman Foundation	Monitoring Intrauterine Biomarkers to Detect Pre-Invasive Disease
Long Roche, Kara	Principal Investigator	Gynecology	Ovarian Cancer Research Fund	Perception-Based Detection of an Ovarian Cancer Disease Fingerprint
Long Roche, Kara	Principal Investigator	Gynecology	Minnesota Ovarian Cancer Alliance	Understanding Decision-Making for Risk-Reducing Surgery: A Women Choosing Surgical Prevention (WISP) Qualitative Study
Matros, Evan	Co-Principal Investigator	Plastic and Reconstructive	Plastic Surgery Foundation	A Randomized Controlled Trial of Prepectoral Breast Reconstruction with and without Acellular Dermal Matrix
Matros, Evan	Principal Investigator	Plastic and Reconstructive	Plastic Surgery Foundation	Randomized Trial: Pre-pectoral vs Sub-pectoral Prosthetic Breast Reconstruction
Matulewicz, Richard	Principal Investigator	Urology	American Urological Association Foundation	Evaluation and validation of the new AUA microhematuria guidelines
Morris, Luc	Principal Investigator	Head and Neck	Geoffrey Beene Cancer Research Center	Deciphering altered metabolism and immune evasion in FAT1-mutated head and neck cancer
Mueller, Jennifer	Co-Principal Investigator	Gynecology	Society for MSK	Evaluating pap-based cfDNA for early detection of gynecologic cancers in genetically high-risk patients
Nash, Garrett	Principal Investigator	Colorectal	Philanthropic Funds	Appendiceal Cancer Research Fund
Nelson, Jonas	Principal Investigator	Plastic and Reconstructive	Plastic Surgery Foundation	Pilot study validation of the BREAST-Q REACT

Pappou, Emmanouil	Principal Investigator	Colorectal	Geoffrey Beene Cancer Research Center	Expanding single cell whole genome sequencing capacity at MSKCC
Patel, Snehal	Principal Investigator	Head and Neck	Technology Development Fund	Nerve visualization using targeted fluorescent probes for intraoperative imaging
Pietzak, Eugene	Principal Investigator	Urology	Bladder Cancer Advocacy Network	Defining the Clinical Impact and Molecular Drivers of “Secondary” Muscle-Invasive Bladder Cancer
Sanchez Vega, Francisco	Principal Investigator	Colorectal	MSKCC Society	Application of Circulating Cell-free DNA Analysis for Assessing Response to Neoadjuvant Therapy in Patients with Locally Advanced Rectal Cancer
Sanchez Vega, Francisco	Principal Investigator	Colorectal	Colorectal Cancer Alliance	Leveraging race-informed biological models for disparities research in colorectal cancer
Sanchez Vega, Francisco	Principal Investigator	Colorectal	Druckenmiller Center for Lung Cancer Research	Molecular Characterization of Tumor Evolution from Whole-Genome Sequencing of Matched Primary and Metastatic Lung Adenocarcinomas
Soares, Kevin	Principal Investigator	Hepatopan-creatobiliary	Break Through Cancer	Break Through Pancreatic Cancer: Science in Patients
Soares, Kevin	Principal Investigator	Hepatopan-creatobiliary	Cycle for Survival	Immuno–Positron Emission Tomography, Hyperpolarized ¹³ C Pyruvate Magnetic Resonance Imaging, and a Blood-Based Biomarker for the Early Detection of Pancreatic Adenocarcinoma in Patients with Intraductal Papillary Mucinous Neoplasm
Strong, Vivian	Principal Investigator	Gastric and Mixed Tumor	Cycle for Survival	Identifying drivers of immune evasion in diffuse-type gastric cancer
Wong, Richard	Principal Investigator	Head and Neck	Philanthropic Funds	A Phase 2 Study of Neoadjuvant Lenvatinib in Locally Advanced Invasive Thyroid Cancer

Industry Research Grants (Awarded During 2021-2023 Academic Years)

Name	Role	Service	Funding Organization	Name of Grant
Adusumilli, Prasad	Principal Investigator	Thoracic	Novocure Ltd.	A Prospective Clinical Trial of Tumor Immunomodulation Using Tumor-Treating Fields (TTFields) in Patients with Early-Stage Resectable Lung Adenocarcinoma
Balachandran, Vinod	Principal Investigator	Hepatopan-creatobiliary	Genentech, Inc.	A Phase II, Open-Label, Multicenter, Randomized Study of the Efficacy and Safety of Adjuvant Autogene Cevumeran Plus Atezolizumab and mFolfinirox Versus mFolfinirox Alone in Patients with Resected Pancreatic Ductal
Bartlett, Edmund	Principal Investigator	Gastric and Mixed Tumor	QBiotics Group Limited	A Phase IIa Open Label Study Evaluating the Preliminary Efficacy of Intratumoural Tigilanol Tiglate in Advanced and/or Metastatic Soft Tissue Sarcoma of the
Bello, Danielle	Principal Investigator	Gastric and Mixed Tumor	Philogen S.p.A.	A Phase 2, Three-Arm, Randomized Study of the Efficacy of Intratumorally Administered L19IL2 or L19TNF or L19IL2/ L19TNF, All in Combination with Systemic Anti-PD1 Therapy, in Stage III and IV Unresectable Melanoma Patients
Bott, Matthew	Principal Investigator	Thoracic	Celsius Therapeutics, Inc.	MTA - Single cell analysis of neoadjuvant treated non-small cell lung cancer (NSCLC).
Carlsson, Sigrid	Principal Investigator	Urology	Pfizer, Inc.	Optimizing Postoperative Cancer Care Through Personalized Remote Symptom Monitoring
Coleman, Jonathan	Principal Investigator	Urology	AngioDynamics, Inc.	Pivotal Study of the NanoKnife System for Ablation of Prostate Tissue in an Intermediate-Risk Patient Population
Coriddi, Michelle	Principal Investigator	Plastic and Reconstructive	PureTech Health LLC	A Phase 2a Double-Blind, Placebo-Controlled Study to Determine the Safety, Tolerability, Pharmacokinetics, and Efficacy of Deupirfenidone (LYT-100) in Patients with Breast Cancer-Related Upper Limb Secondary Lymphedema
Cracchiolo, Jennifer	Principal Investigator	Head and Neck	Pfizer, Inc.	Optimizing Postoperative Cancer Care Through Personalized Remote Symptom Monitoring
Dayan, Joseph	Principal Investigator	Plastic and Reconstructive	Neuraptive Therapeutics Inc	A Phase 2a, Multicenter, Randomized, Subject and Evaluator Blinded, Controlled Study Evaluating the Safety and Efficacy of NTX-001 Compared to Standard of Care in the Treatment and Prevention of Facial Paralysis Requiring Surgical Repair.

Eastham, James	Principal Investigator	Urology	Intuitive Surgical, Inc.	Phase 2 Multi-Center Randomized Controlled Feasibility Study of IS-002 in Subjects Undergoing Robotic-Assisted Radical Prostatectomy Using the da Vinci™ Surgical System with Firefly™ Fluorescence Imaging
Goh, Alvin	Principal Investigator	Urology	Medtronic Sofamor Danek, Inc	A prospective, multi-center, single-arm study of the Medtronic Hugo Robotic Assisted Surgery (RAS) System in Urologic Surgery (Expand URO)
Hakimi, Abraham	Principal Investigator	Urology	Merck Sharp & Dohme Corp.	SRA - 275_Merck&Co_MS_K_Hakimi
Isbell, James	Principal Investigator	Thoracic	Guardant Health	Study to evaluate perioperative circulating tumor DNA as a prognostic biomarker in patients undergoing neoadjuvant therapy for resectable non-small cell lung cancer.
Kingham, T Peter	Principal Investigator	Hepatopan-creatobiliary	HoloCare AS	HS2 US Liver Reader Study
Kingham, T Peter	Principal Investigator	Hepatopan-creatobiliary	HoloCare AS	SRA - kinghamP SRA HAS Ketil Sellaeg Ramberg SK2022-1391
Leitao, Mario	Principal Investigator	Gynecology	GOG Foundation, INC.	A Randomized Controlled Trial of Robotic versus Open Radical Hysterectomy for Cervical Cancer (ROCC trial)
Mehrara, Babak	Principal Investigator	Plastic and Reconstructive	Pfizer, Inc.	SRA - Improving heart failure by modulating lymphatic function
Park, Bernard	Principal Investigator	Thoracic	Intuitive Surgical, Inc.	A Prospective, Multi-Center Investigation of the da Vinci SPTM Surgical System in Pulmonary Lobectomy and Thymectomy for Benign and Malignant Disease
Pietzak, Eugene	Principal Investigator	Urology	Janssen Research & Development, L.L.C.	SRA - Effectiveness of Erdafitinib in pre-clinical models of Non-Muscle Invasive Bladder Cancer (NMIBC)
Rocco, Gaetano	Principal Investigator	Thoracic	EARLY Labs	Validation and Determination of Feasibility for Clinical Use of an Animal Biosensor Platform to Detect Non-small Cell Lung Cancer-specific Volatile Organic Compounds in Urine Samples
Sanchez Vega, Francisco	Principal Investigator	Colorectal	Corning Incorporated	Deciphering the biological and socioeconomic causes of disproportionately negative outcomes from colorectal cancer in African American patients through integrated clinical and genomic analyses
Wei, Alice	Principal Investigator	Hepatopan-creatobiliary	Ipsen Biopharmaceuticals, Inc.	Total Neoadjuvant NALIRIFOX Plus Ablative Dose Radiation Therapy for Borderline Resectable and Locally Advanced Pancreatic Adenocarcinoma



SURGERY
STAFF

Research Staff: Leadership



Tamara Torres Polanco
Associate Director, Clinical Research Operations



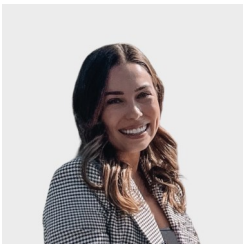
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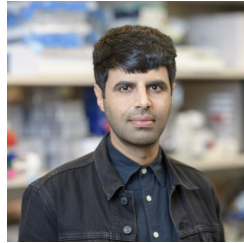
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Lara Cani
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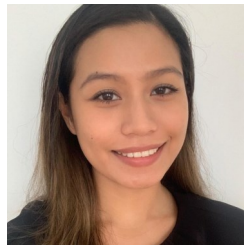
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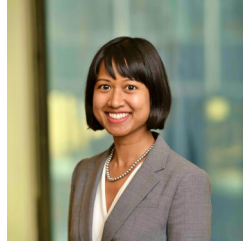
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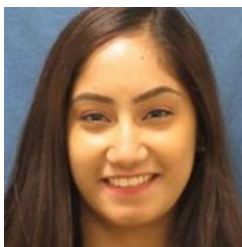


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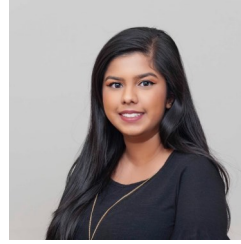
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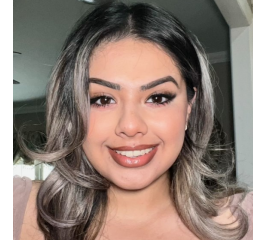
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Sharin Chowdhury

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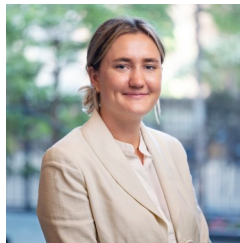
Cleo Egli, Clinical Research Coordinator; **Mostafa Mohamed**, Clinical Research Coordinator; **Rachel Rice**, Clinical Research Coordinator

Research Staff: Global Cancer Disparities Program



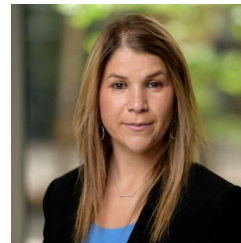
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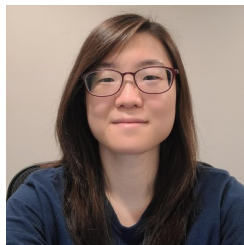
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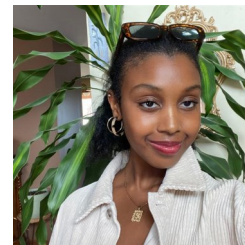
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Hiwot Lessanework

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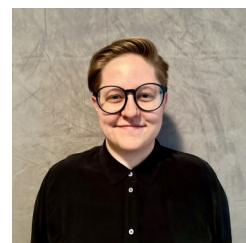
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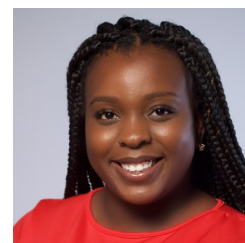
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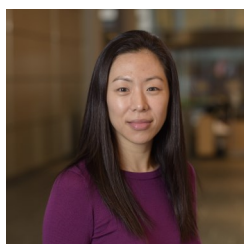
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Jae Ward

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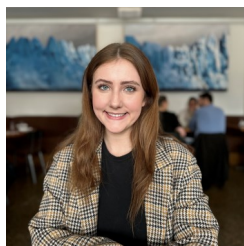


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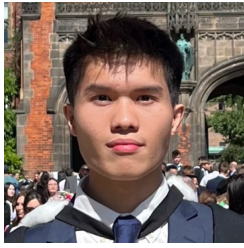


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Samantha Blady, Clinical Research Specialist

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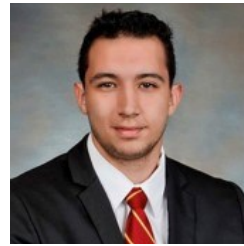
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Adam Toujjer

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Tajah Bell

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Richard Diwan

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Kathryn Haglich

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Jasmine Monge

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Ricky Poulton

Clinical Research Coordinator

Julia Gutierrez, Clinical Research Specialist

Research Staff: Urology Service



Michael Adler

Clinical Research Coordinator



Mireya Arango

Clinical Research Coordinator



Crystal Gong

Clinical Research Specialist



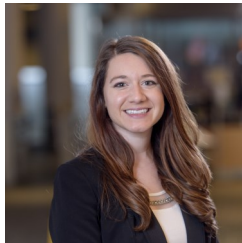
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Clinical Research Associate



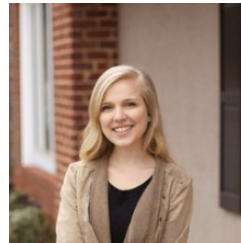
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Nicole Liso

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Rachel Tatge

Research Regulatory Associate



Brandon Williams

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DoS Support Staff



Henry Balingcongan

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Marsha Kaplan

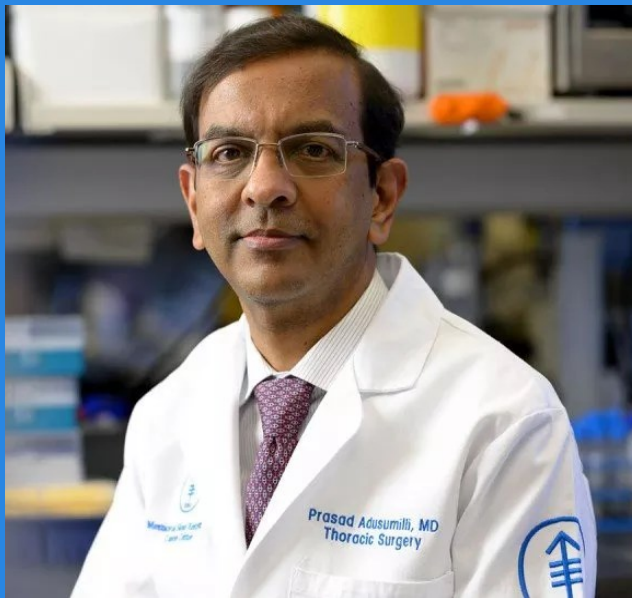
Assistant to Chair



Barry Mann

Technology Services Specialist I

DoS 'In The News' (MSK) 2021-2023 Highlights



New Finding Could Predict Which People with Lung Cancer Will Benefit from Chemotherapy

Tuesday, October 26, 2021

Researchers identify a biomarker that could predict which lung cancer patients will respond to chemotherapy.

New Design Could Make CAR T Cells a More Effective Immunotherapy for Solid Tumors

Monday, June 19, 2023

Researchers engineered CAR T cells to work better by using a mutation in a gene called c-KIT that drives cancer cell growth.



Pancreatic Cancer Spreads With Help From Schwann Cells, MSK Researchers Find

Wednesday, August 3, 2022

Pancreatic cancer cells spread with the help of tracks laid by nerve-supporting cells called Schwann cells.



Inherited BRMS1 Mutation Promotes Lung Cancer Spread, MSK Research Suggests

Thursday, November 3, 2022

An inherited mutation that contributes to lung cancer spread could be a target for therapies.



MSK Research Aims to Better Predict and Prevent Lymphedema After Breast Cancer Surgery

Thursday, July 27, 2023

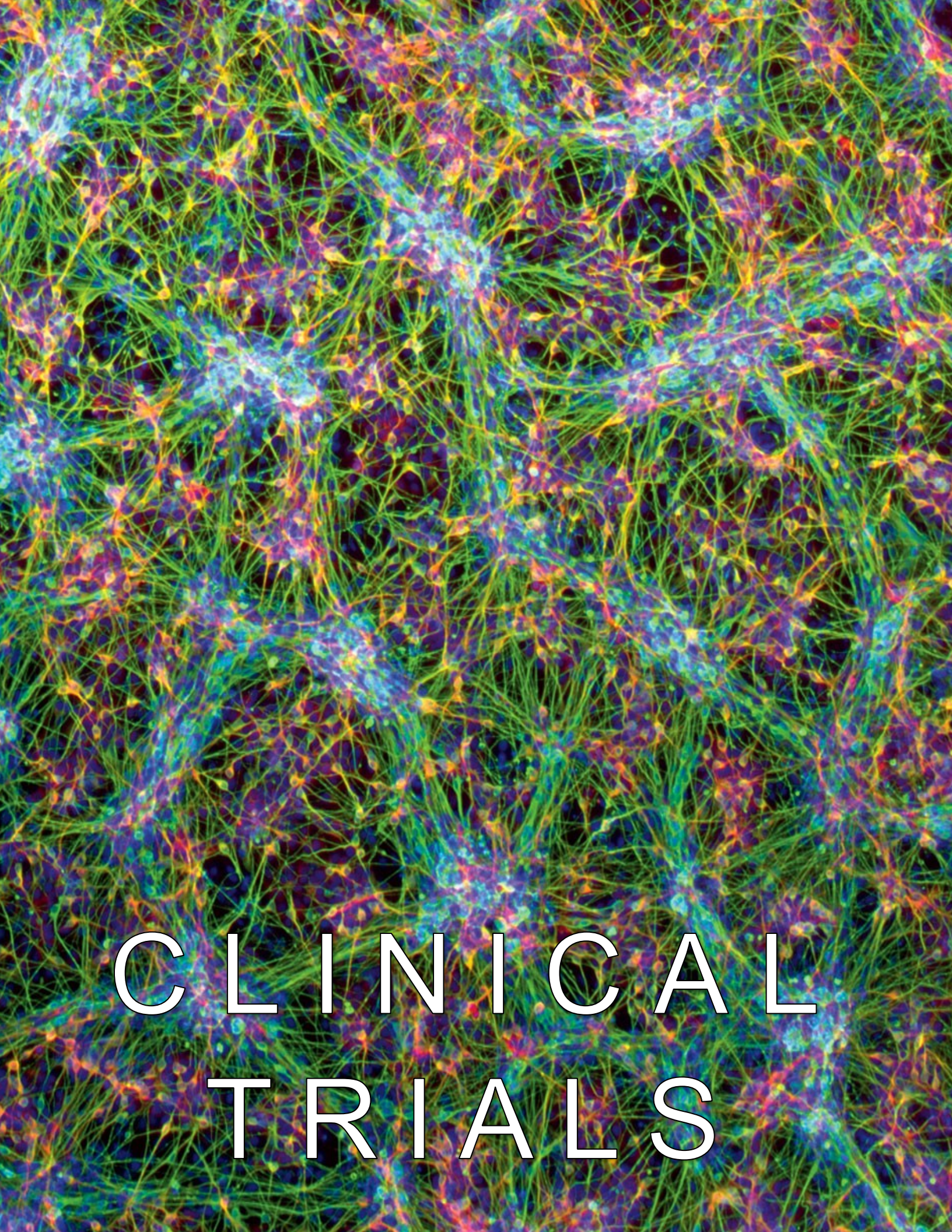
The Plastic and Reconstructive Surgical Service has developed new, simplified models to better predict and prevent breast cancer-related lymphedema.



New mRNA Pancreatic Cancer Vaccine Trial Starts Next Phase After Promising Results

Friday, July 28, 2023

Researchers are deploying mRNA vaccines against pancreatic cancer.



CLINICAL
TRIALS

Therapeutic Research

IRB	Title	PI	Service
23-117	A Phase 2, Three-Arm, Randomized Study of the Efficacy of Intratumorally Administered L19IL2 or L19TNF or L19IL2/L19TNF, All in Combination with Systemic Anti-PD1 Therapy, in Stage III and IV Unresectable Melanoma Patients with Resistance to or Progressing Upon Anti-PD1 Checkpoint Inhibitors and with Presence of Injectable Metastases (INTACT / MeRCI).	Bello, Danielle, MD	Gastric & Mixed Tumor
23-056	A Phase IIa Open Label Study Evaluating the Preliminary Efficacy of Intratumoural Tigilanol Tiglate in Advanced and/or Metastatic Soft Tissue Sarcoma of the Extremities and Body Wall	Bartlett, Edmund, MD	Gastric & Mixed Tumor
22-438	The Janus Rectal Cancer Trial: A Randomized Phase II Trial Testing the Efficacy of Triplet Versus Doublet Chemotherapy to Achieve Clinical Complete Response in Patients with Locally Advanced Rectal Cancer (A022104) (CIRB)	Smith, J. Joshua, MD, PhD	Colorectal
22-387	A Prospective Clinical Trial of Tumor Immunomodulation Using Tumor-Treating Fields (TTFields) in Patients with Early-Stage Resectable Lung Adenocarcinoma	Adusumilli, Prasad, MD	Thoracic
22-355	A Phase 2 Study of Neoadjuvant Lenvatinib in Locally Advanced Invasive Thyroid Cancer	Wong, Richard, MD	Head & Neck
22-297	A Prospective, Multi-Center Investigation of the da Vinci SP Surgical System in Pulmonary Lobectomy and Thymectomy for Benign and Malignant Disease	Park, Bernard, MD	Thoracic
21-321	Multicenter Phase 3 Pivotal Study to Evaluate the Safety and Efficacy of TOOKAD (padeliporfin) Vascular Targeted Photodynamic Therapy in the Treatment of Low Grade Upper Tract Urothelial Cancer	Coleman, Jonathan, MD	Urology
21-219	The Role of Multimodality Management in Risk-stratified Patients with Lung-limited Metastatic Colorectal Cancer	Park, Bernard, MD	Thoracic
21-216	A Pilot Study to Assess the Safety and Efficacy of Preoperative Stereotactic Body Radiotherapy for the Treatment of Metastatic Disease in Bone Requiring Surgical Stabilization	Vaynrub, Maksim, MD	Orthopedic
21-150	A Pilot Study of Neoadjuvant MEDI9447 (Oleclumab) and MEDI4736 (Durvalumab) in Patients with Surgically Resectable Adenocarcinoma of the Pancreas	Soares, Kevin, MD	Hepatopancreatobiliary
21-099	Phase I Trial of Real-Time Intraoperative Fluorescent Imaging of Nerve Structures Using Illuminare-1, A Novel Myelin-Binding Fluorophore	Donahue, Timothy, MD	Urology
20-251	Phase II Trial Of Intravesical Gemcitabine and Mk-3475 (Pembrolizumab) In The Treatment Of Patients With BCG-Unresponsive Non-Muscle Invasive Bladder Cancer (A031803) (CIRB)	Pietzak, Eugene, MD	Urology
20-104	A Phase II Study of Concurrent Systemic Pembrolizumab and Isolated Limb Infusion (ILI) with Melphalan and Dactinomycin for Patients with Locally Advanced or Metastatic Extremity Sarcoma	Bartlett, Edmund, MD	Gastric & Mixed Tumor
19-426	A Continued Access Study to Evaluate Focal MR-Guided Focused Ultrasound Treatment of Localized Intermediate Risk Prostate Lesions	Ehdaie, Behfar, MD, MPH	Urology
19-374	Phase I/II Trial of Bacillus Calmette-Guérin (BCG) and Intravesical Gemcitabine for Patients with BCG-Relapsing High-Grade Non-Muscle Invasive Bladder Cancer	Pietzak, Eugene, MD	Urology
19-164	Phase II randomized trial of neoadjuvant chemotherapy followed by surgery and post-operative radiation versus surgery and post-operative radiation for organ preservation of T3 and T4a (and selected T4b) nasal and paranasal sinus squamous cell carcinoma (NPNSCC)	Cohen, Marc, MD	Head & Neck
19-112	NWU2017-09-01: Phase I Trial of Endoxifen Gel Versus Placebo Gel in Women Undergoing Breast Surgery (CIRB)	Plitas, George, MD	Breast
19-039	Phase 1 Clinical Trial of Personalized Neoantigen Tumor Vaccines and Programmed Death-Ligand 1 (PD-L1) Blockade in Patients with Surgically Resected Pancreatic Cancer	Balachandran, Vinod, MD, FACS	Hepatopancreatobiliary

IRB	Title	PI	Service
18-489	Trial Of IRE in Cholangiocarcinoma (TOnIC): Phase II	Kingham, T. Peter, MD	Hepatopancreatobilliary
18-173	Pilot Trial of the Robotic Uterine Manipulator	Leitao, Mario, MD	Gynecology
18-047	Phase IIB Trial of Neoadjuvant Oral Tamoxifen Versus Transdermal 4-hydroxytamoxifen in Women with DCIS of the Breast (CIRB)	Plitas, George, MD	Breast
17-576	A Prospective, Double Blind, Randomized, Placebo-Controlled Trial of Locally Instilled Bupivacaine in the Surgical Bed After Unilateral Mastectomy Without Reconstruction	Kirstein, Laurie, MD	Breast
17-418	A Phase III Multicenter, Open Label Randomized Controlled Trial of Cefoxitin versus Piperacillin-Tazobactam as Surgical Antibiotic Prophylaxis in Patients Undergoing Pancreatoduodenectomy	D'Angelica, Michael, MD	Hepatopancreatobilliary
17-384	Sentinel Lymph Node Biopsy After Neoadjuvant Chemotherapy in Patients Presenting with Locally Advanced Breast Cancer: A Prospective Study	Barrio, Andrea, MD	Breast
17-333	Prospective, Multicenter, Multidisciplinary, Controlled Clinical Investigation Evaluating the Safety and Efficacy of "PerClot" Polysaccharide Hemostatic System	D'Angelica, Michael, MD	Hepatopancreatobilliary
12-169	Phase I Study of Intra-pleural Administration of GL-ONC1, a Genetically Modified Vaccinia Virus, in Patients with Malignant Pleural Effusion: Primary, Metastases and Mesothelioma	Rusch, Valerie, MD	Thoracic

Diagnostic Research

IRB	Title	PI	Service
23-229	Phase 2 Multi-Center Randomized Controlled Feasibility Study of IS-002 in Subjects Undergoing Robotic-Assisted Radical Prostatectomy Using the da Vinci™ Surgical System with Firefly™ Fluorescence Imaging	Eastham, James, MD	Urology
23-111	Validation and Determination of Feasibility for Clinical Use of an Animal Biosensor Platform to Detect Non-small Cell Lung Cancer-specific Volatile Organic Compounds in Urine Samples	Rocco, Gaetano, MD	Thoracic
23-100	Breathprinting (E-Nose) Technology to Measure Response to Treatment of Malignant Pleural Mesothelioma (MPM) through MPM-Specific Volatile Organic Compounds Detected in Exhalates	Rocco, Gaetano, MD	Thoracic
23-009	Immuno-Positron Emission Tomography, Hyperpolarized C Pyruvate Magnetic Resonance Imaging, and Blood-Based Biomarkers for Early Detection of Pancreatic Adenocarcinoma in Patients with Intraductal Papillary Mucinous Neoplasms	Soares, Kevin, MD	Hepatopancreatobilliary
23-005	VISION (Vulvar ICG SLN Detection) Study: Near-Infrared Imaging with Indocyanine Green for Detection of Sentinel Lymph Nodes in Vulvar Cancer	Broach, Vance, MD	Gynecology
22-155	Extracellular Vesicles and Particles (EVP) as Biomarkers of Recurrence in Non-Small Cell Lung Cancer	Jones, David, MD	Thoracic
22-092	A Prospective, Non Interventional, Trial Evaluating the Diagnostic Accuracy of FBLN3 for Mesothelioma Pleural Effusions (NYU)	Adusumilli, Prasad, MD	Thoracic
21-472	LEADER Neoadjuvant Screening Trial: LCMC4 Evaluation of Actionable Drivers in Early Stage Lung Cancer	Jones, David, MD	Thoracic
21-463	A Prospective Registry Study of a Primary Melanoma Gene-signature to Predict Sentinel Node (SN) Status and Determine its Prognostic Value for More Accurate Staging of SN-negative Melanoma Patients	Bartlett, Edward, MD	Gastric & Mixed Tumor

Diagnostic Research

IRB	Title	PI	Service
21-349	Near-Infrared Fluorescence Assessment of Myocutaneous Flap Microperfusion for Gynecologic Reconstruction (FOREFRONT): A Feasibility Study	Abu-Rustum, Nadeem, MD	Gynecology
21-277	Randomized Controlled Trial Assessing Transperineal Prostate Biopsy to Reduce Infection Complications (BRANY)	Ehdaie, Behfar, MD, MPH	Urology
21-202	ARIA II: A Phase III Randomized Controlled Trial of Near-Infrared Angiography During Rectosigmoid Resection and Anastomosis in Women with Ovarian Cancer	Zivanovic, Oliver, MD	Gynecology
20-349	Breathprinting (e-Nose) Technology for the Identification of Early-Stage Lung Cancer	Rocco, Gaetano, MD	Thoracic
20-229	A Phase II Multi-Institutional Trial to Evaluate Prostate Specific Membrane Antigen (PSMA)-Based PET Imaging of High Risk Prostate Cancer (CIRB)	Touijer, Karim, MD	Urology
20-224	Glycosaminoglycan Scores for Surveillance of Recurrence in Leibovich Points ≥ 5 Non-Metastatic Clear Cell Renal Cell Carcinoma	Hakimi, Abraham, MD	Urology
20-201	Does the Concept of the Sentinel Lymph Node Apply to Esophageal Cancer? A Prospective Assessment of Near-Infrared Image-Guided Lymphatic Mapping and Sentinel Lymph Node Identification in Esophageal Cancer	Molena, Daniela, MD	Thoracic
20-067	Sentinel Lymph node Endometrial Cancer Trial: A Prospective Multicenter International Single-Arm Observational Trial (SELECT)	Abu-Rustum, Nadeem, MD	Gynecology
19-333	Molecular Phenotyping and Image-Guided Surgical Treatment of Prostate Cancer Using Ultrasmall Silica Nanoparticles	Touijer, Karim, MD	Urology
19-271	ICG-Enabled Mapping of Ovarian Sentinel Lymph Nodes: A Feasibility Study	Gardner, Ginger, MD	Gynecology
18-295	Diagnosing Clinically Significant Prostate Cancer in African American and White Men, A Phase II, Randomized Clinical Trial, Multi-Center, MR-guided vs. 12-core Systematic Random Biopsy, Localized Prostate Cancer (4P-16-7)	Coleman, Jonathan, MD	Urology
17-594	Development of Novel Imaging and Laboratory Biomarkers to Monitor the Liver Pre-Metastatic Niche and Guide Treatment of Colon Cancer: A Pilot Study	D'Angelica, Michael, MD	Hepatopancreatobiliary
17-443	Point of Care, Real-Time Urine Metabolomics Test to Diagnose Colorectal Cancers and Polyps in Low- and Middle-Income Countries	Kingham, T. Peter, MD	Hepatopancreatobiliary
17-069	GRAIL-001: The Circulating Cell-free Genome Atlas (CCGA) Study	Abu-Rustum, Nadeem, MD	Gynecology
16-241	A Pilot Study of the Utility of Intra-operative Image Guidance System for Disappearing Liver Metastases	Kingham, T. Peter, MD	Hepatopancreatobiliary
16-1003	Non-inferiority Study of Intra-operative Indocyanine Green Fluorescent Dye Versus Technetium Lymphoscintigraphy for Sentinel Lymph Node Biopsy in Pediatric Malignancies	Heaton, Todd, MD	Pediatric
16-039	The Incidence of Adjacent Synchronous Ipsilateral Infiltrating Carcinoma and/or DCIS in Patients Diagnosed with Flat Epithelial Atypia (FEA) or Intraductal Papilloma without Atypia (IPWA) by Core Needle Biopsy (TBCRC 034)	Pilewskie, Melissa, MD	Breast
15-128	Reflectance Confocal Microscopy of Oral Cancers In Vivo: A Preliminary Trial Comparing Intra-Oral Imaging with Pathology	Patel, Snehal, MD	Head & Neck
15-015	Interrogation of Exosome-mediated Intercellular Signaling in Patients with Pancreatic Cancer	Jarnagin, William, MD	Hepatopancreatobiliary
12-220	Deformation Corrected Image Guided Laparoscopic Liver Surgery	Jarnagin, William, MD	Hepatopancreatobiliary

Prevention/Intervention Research

IRB	Title	PI	Service
22-049	Perioperative Stress Reduction in Ovarian Cancer (PRESERVE Trial) - A Prospective Randomized Pilot Study	Long Roche, Kara, MD	Gynecology
21-029	A Non-Randomized Prospective Clinical Trial Comparing the Non-Inferiority of Salpingectomy to Salpingo-oophorectomy to Reduce the Risk of Ovarian Cancer Among BRCA1 Carriers [SOROCK] (NRG-CC008) (CIRB)	Long Roche, Kara, MD	Gynecology
21-012	Preventing an Incurable Disease: The Prevention of Progression to Pancreatic Cancer Trial (The 3PC Trial) (DUHS IRB)	Soares, Kevin, MD	Hepatopancreatobiliary
20-552	Cluster Randomized Controlled Trial of Patient and Provider Decision Support to Increase Chemoprevention Informed Choice Among Women With Atypical Hyperplasia or Lobular Carcinoma in Situ - Making Informed Choices on Incorporating Chemoprevention Into Care (MiCHOICE) (S1904) (CIRB)	Montagna, Giacomo, MD	Breast
19-108	Preoperative Nutrition Intervention for Patients Undergoing Primary Surgical Debulking of Ovarian Cancer: A Feasibility Study	Broach, Vance, MD	Gynecology

QoL Research

IRB	Title	PI	Service
22-184	Feasibility study of randomizing patients to Telemedicine Shared Medical Appointments versus Telemedicine Single Visits for men with prostate cancer on active surveillance	Carlsson, Sigrid, MD, PhD, MPH	Urology
22-070	Pilot Study of Virtual Mind-Body Exercises for Patients Undergoing Pancreatic Surgery	Wei, Alice, MD	Hepatopancreatobiliary
22-002	RELEVANT Prevalence of Patient-Reported Lymphedema Following Surgical Management of Cervical or Vulvar Cancer	Leitao, Mario, MD	Gynecology
21-318	Incorporating Three-Dimensional Visualization in Breast Reconstruction Consultation	Stern, Carrie, MD	Plastic & Reconstruction
20-429	Preservation of Ovaries in Endometrial Malignancies: GYN POEM Trial	Mueller, Jennifer, MD	Gynecology
18-189	Improving Patient Experience and Outcomes for Men Undergoing Prostate Biopsy: A Randomized Controlled Trial with Early Stage Consent	Ehdaie, Behfar, MD, MPH	Urology
18-014	Assessment of Healing and Function After Surgical Reconstruction for Neoplasms Involving Bone	Prince, Daniel, MD	Orthopedic
17-382	Decision Making and Psychological Outcomes in Low Risk Papillary Thyroid Cancer	Roman, Benjamin, MD	Head & Neck
17-377	A Prospective Study Comparing Quality of Life in Patients With Lymphedema Who Undergo Surgical Treatment Versus Non-Surgical Management	Dayan, Joseph, MD	Plastic & Reconstruction
17-293	Ambulatory Cancer Care Electronic Symptom Self-Reporting for Surgical Patients	Allen, Jr., Robert, MD	Plastic & Reconstruction
17-147	Integrating Patient Preferences into Health Outcomes Assessment: The BREAST-Q Utility Index	Matros, Evan, MD	Plastic & Reconstruction
15-240	General Registry of Autologous Fat Transfer (GRAFT)	Mehrrara, Babak, MD	Plastic & Reconstruction
15-057	Health Related Quality of Life Following Hepatectomy for Colorectal Liver Metastasis: Global and Disease Specific Changes Over Time	D'Angelica, Michael, MD	Hepatopancreatobiliary

Epidemiologic Research

IRB	Title	PI	Service
23-175	The International Bone Metastasis Registry	Forsberg, Jonathan, MD	Orthopedic
23-094	Generalized Robotic Skills Assessment Using Machine Learning-Based Analysis Across Multiple Surgical Specialties	Goh, Alvin, MD	Urology
23-016	A Multicenter prospectively collected registry of upper extremity tumor patients: Multicenter Upper Extremity Sarcoma/Tumor (MUST) Registry	Chapman, Talia, MD	Orthopedic
22-335	Comparing the Effectiveness of Surgery versus Stereotactic Body Radiation Therapy for Stage I Non-Small Cell Lung Cancer (SORT) (Wash U St. Louis)	Jones, David, MD	Thoracic
21-183	Selective Use of ALND in cT1-2N1 HR+/HER2- Breast Cancer Patients with 1 or 2 Positive Sentinel Lymph Nodes Undergoing Upfront Breast Surgery and Adjuvant Radiation: A Prospective Study	Mamtani, Anita, MD	Breast
20-287	PREPARE: Patient Centered Perioperative Experience	Jewell, Elizabeth, MD	Gynecology
20-163	Outcomes of cancer surgery during the COVID-19 pandemic crisis: an international, multicenter, observational cohort study (CovidSurg-Cancer) (COVID)	Ganly, Ian, MD, PhD	Head & Neck
20-026	A Prospective Analysis of Active Observation in Patients with Desmoid-Type Fibromatosis	Crago, Aimee, MD, PhD	Gastric & Mixed Tumor
18-541	Thoracic Surgery Oncology Group (TSOG) Protocol: Registry Trial of Active Surveillance for Multifocal Ground Glass Opacities (GGOs)	Huang, James, MD	Thoracic
18-114	Developing Non-Communicable Disease Registries in Africa: A Step Towards Providing Quality Data for Improving Patient Outcomes	Kingham, T. Peter, MD	Hepatopancreatobiliary
16-220	A Prospective Surveillance Program for Assessment and Treatment of Breast Cancer-Related Lymphedema After Axillary Lymph Node Dissection	Barrio, Andrea, MD	Breast

Biospecimen Research

IRB	Title	PI	Service
23-192	Urinary and Circulating Tumor DNA as a Predictor of Grade and Stage in Upper Tract Urothelial Carcinoma	Coleman, Jonathan, MD	Urology
23-017	Understanding and Overcoming Treatment Resistance in MDM2-Amplified Esophageal Cancers	Sihag, Smita, MD	Thoracic
22-427	Identifying Unique Clinical and Molecular Characteristics of Radiation-Associated Rectal Cancer	Sanchez-Vega, Francisco, PhD, MS	Colorectal
22-291	The Role of B-cells in the Anti-Tumor Immune Response in Triple Negative Breast Cancer	Downs-Canner, Stephanie, MD	Breast
22-091	Immunologic Study of Hepatopancreatobiliary Cancers	Balachandran,	Hepatopancre-
21-483	Genomic Classification of Small Bowel Adenocarcinomas	Jarnagin, William, MD	Hepatopancreatobiliary
21-432	Interrogation of Exosome-Mediated Intercellular Signaling and Pre-Metastatic Niche Establishment in Patients with Ovarian Cancer: Development of Exosome-Based Diagnostic and Prognostic Biomarkers	Chi, Dennis, MD	Gynecology
21-431	Interrogation of Exosome-mediated Intercellular Signaling and Pre-metastatic Niche Establishment in Patients with Esophageal Cancer and Development of Exosome-based Diagnostic and Prognostic Biomarkers	Molena, Daniela, MD	Thoracic
21-411	The Role of TREM2-expressing Macrophages in the Obesity Paradox in Clear Cell Renal Cell Carcinoma	Hakimi, Abraham, MD	Urology

IRB	Title	PI	Service
21-247	Mechanoregulation of Cytotoxic Lymphocyte Function	Morris, Luc, MD	Head & Neck
21-079	Analysis of Sarcomas Treated with Chemotherapy, TKIs, and/or Immunotherapy	Yoon, Sam, MD	Gastric & Mixed Tumor
21-062	Characterization of the Pancreatic Cyst Microbiome	Soares, Kevin, MD	Hepatopan-creatobiliary
20-577	Circulating Tumor DNA in Locally Advanced Gastric Adenocarcinoma	Strong, Vivian, MD	Gastric & Mixed Tumor
20-422	Margin Assessment of Head and Neck Cancer with PARP Tracers	Ganly, Ian, MD, PhD	Head & Neck
20-404	Immunosurveillance of Chromophobe Renal Cell Carcinoma by Tumor-Resident Cytotoxic Innate Lymphocytes	Hakimi, Abraham, MD	Urology
20-393	An Exploratory Biomarker Study of Metastatic Triple Negative Breast Cancer Patients treated with Immune Checkpoint Inhibitors Short Title: Translational Resource for Immuno-Biology to Understand Therapeutic Efficacy (TRIBUTE) (WIRB)	Plitas, George, MD	Breast
20-319	Detection of Advanced Prostate Cancer in ISUP 1 Patients who are on Active Surveillance	Eastham, James, MD	Urology
20-313	Discovery and Validation of Novel Gene Expression Signatures in Patients with Prostate Cancer and Upper Tract Urothelial Carcinoma using Tissue-based Gene Expression Classifier	Coleman, Jonathan, MD	Urology
20-312	Global Cancer Disparities Initiative Nigerian-MSK Specimen Umbrella Protocol	Kingham, T. Peter, MD	Hepatopan-creatobiliary
20-255	Mechanism-based Approach for Combination Therapies with Immune Modulation for Management of Patients with Urothelial Cancers of the Upper Urinary Tract	Coleman, Jonathan, MD	Urology
20-078	Microbiome of Ophthalmic Tumors	Francis, Jasmine, MD	Ophthalmology
20-047	Tolerogenic Properties of Dermal Lymphatic Endothelial Cells in the Tumor Periphery	Mehrara, Babak, MD	Plastic & Reconstruction
20-043	Characterizing and Targeting the Microenvironmental Barriers to Immunotherapeutic Response in Renal Cell Carcinoma	Hakimi, Abraham, MD	Urology
19-460	Assessment of Endogenous and CAR T-Cell Immunity Following Anti-PD-1 Agent as a Transition Step to Phase 2 Combination Immunotherapy	Adusumilli, Prasad, MD	Thoracic
19-352	The Gastric Intratumoral Microbiome	Strong, Vivian, MD	Gastric & Mixed Tumor
19-313	The Comparison of Genomic Characteristics of Gastric Cancer Between US and Japan	Strong, Vivian, MD	Gastric & Mixed Tumor
19-283	Study of Tumor Microenvironment in Head and Neck Cancers	Patel, Snehal, MD	Head & Neck
19-101	A study to characterize both targeted and immuno therapy treated and treatment naïve patients with melanoma and various melanoma subtypes	Coit, Daniel, MD	Gastric & Mixed Tumor
19-044	Imaging of Esophageal Precancerous and Cancerous Tissue Samples with PARP Tracers	Molena, Daniela, MD	Thoracic
19-015	The MSKCC Bladder Oncogenome Living Biobank Project: Prospective Creation of Patient Derived Xenograft Models and Organoids	Pietzak, Eugene, MD	Urology
18-548	Margin Assessment in Cervical and Vulvar Cancer with PARPi-FL	Jewell, Elizabeth, MD	Gynecology
18-536	The Role of Keratinocytes in CD4 activation in Lymphedema	Mehrara, Babak, MD	Plastic & Reconstruction

Biospecimen Research

IRB	Title	PI	Service
18-506	Study to evaluate perioperative circulating tumor DNA as a prognostic biomarker in patients undergoing neoadjuvant therapy for resectable non-small cell lung cancer.	Isbell, James, MD	Thoracic
18-484	Mass spectrometry based determination from neoplasia samples, including bronchogenic carcinoma samples, of geographic distribution of subclones of cancer and relationship of this distribution with prognosis	Downey, Robert, MD	Thoracic
18-323	Molecular Signature Of The Tumor Initiating Stem Cell In Human Squa-	Singh, Bhu-	Head & Neck
18-152	Genetic Mutation Profile in Epithelial Neoplasm of Lacrimal Gland	Della Rocca, David, MD	Ophthalmology
18-148	Carbohydrate Antigen 19.9 (CA 19.9) and Voltage gated Sodium Channels	Goh, Alvin, MD	Urology
18-059	Outcome of Patients with Resected Adrenocortical Carcinoma (ACC) Liver Metastasis	Jarnagin, William, MD	Hepatopancreatobiliary
17-636	Immune Characterization of NSCLC following resection	Adusumilli,	Thoracic
17-605	Methylglyoxal As A Therapeutic Target Arising From Persistent Stem Cell Glycolytic Metabolism In Undifferentiated Cancers	Downey, Robert, MD	Thoracic
17-479	Proteogenomics of Disease Distribution and Poor Outcome in Advanced	Chi, Dennis, MD	Gynecology
17-445	Identification of genomic signatures that predict tumor progression and re-	Sihag, Smita, MD	Thoracic
17-439	Creation of thyroid cancer cell lines, xenograft models and biospecimen bank	Ganly, Ian, MD, PhD	Head & Neck
17-299	Determining the presence and activity of immune-suppressive mechanisms in sarcoma	Singer, Sam, MD	Gastric & Mixed Tumor
17-206	Single cell-sequencing of uveal melanoma and retinoblastoma	Francis, Jasmine,	Ophthalmology
17-124	Proteomics and Genomic Profiling of Gastroesophageal Tumors	Yoon, Sam, MD	Gastric & Mixed
17-067	Investigation of Genetic Alterations and Chemotherapy Resistance in Oste-	Healey, John, MD	Orthopedic
17-049	Cancer Genes Altered In Retinoblastoma and Coats' Disease	Abramson, David,	Ophthalmology
17-024	Evaluation of cfDNA as a Predictive Biomarker in Patients with Hepatobiliary Carcinoma	Jarnagin, William, MD	Hepatopancreatobiliary
16-646	Imaging of Head and Neck Cancer Tissue Samples with Fluorescent and Radiotracers	Ganly, Ian, MD, PhD	Head & Neck
16-645	Hepatocellular Tumors: the diagnostic potential of microRNAs	Jarnagin, William,	Hepatopancreat-
16-641	Molecular and Histopathological Markers of Tumor Aggressiveness in Well and in Poorly Differentiated Thyroid Carcinomas	Ganly, Ian, MD, PhD	Head & Neck
16-635	Molecular and Protein Characterization of Biliary Carcinomas	Jarnagin, William,	Hepatopancreat-
16-604	Tina Brozman Ovarian Cancer Consortium (TBOCC)	Long Roche,	Gynecology
16-524	Outcome of Patients Undergoing Resection of Metastatic Melanoma that has Progressed on Immunotherapy	Ariyan, Charlotte, MD, PhD	Gastric & Mixed Tumor

IRB	Title	PI	Service
16-523	Assessment of Differential Clinical Outcome and Response to Therapy by Clinical and Genetic Melanoma Subtype	Ariyan, Charlotte, MD, PhD	Gastric & Mixed Tumor
16-518	Establishing Immunologic Profile using ImmunArray in Patients with Malignant Melanoma	Ariyan, Charlotte, MD, PhD	Gastric & Mixed Tumor
16-509	Tumor Associated Macrophages in Bone Metastases from Breast and Prostate Carcinoma: Potential Role for Targeted Treatment	Vaynrub, Maksim, MD	Orthopedic
16-258	Prognostic Gene Profiling in Surgical Patients with Solitary Hepatocellular Carcinoma	Jarnagin, William, MD	Hepatopancreatobiliary
16-1619	Genomic characterization of lymph node metastases in bladder cancer	Cha, Eugene, MD	Urology
16-1514	Modeling metastatic thoracic cancers using patient-derived organoids	Jones, David, MD	Thoracic
16-1481	Targeted Exome Sequencing of Primary Uveal Melanoma and Their Metastatic Lesions	Francis, Jasmine, MD	Ophthalmology
16-1319	Molecular Analysis of High Risk Stage IIIB and IIIC (N2) Colon Adenocarcinoma	Weiser, Martin, MD	Colorectal
16-1181	Identifying Biomarkers for Colorectal Tumor Response to Chemoradiation	Garcia-Aguilar, Julio, MD, PhD	Colorectal
16-1071	The MSKCC Colon and Rectal Cancer Tumoroid Project: Prospective Collection of Rectal and Colon Tumor and Normal Adjacent Tissues with Potential to Guide Individual Treatment Options	Smith, J. Joshua, MD, PhD	Colorectal
16-091	Whole exome sequencing of matched Gastric Cancers: Analysis of Outliers	Strong, Vivian, MD	Gastric & Mixed Tumor
16-089	Serum, plasma, and cyst fluid profiling for the early detection of pancreatic cancer	Balachandran, Vinod, MD, FACS	Hepatopancreatobiliary
16-088	Mutation analysis of IPMN carcinogenesis	Balachandran, Vinod, MD, FACS	Hepatopancreatobiliary
16-049	Genomic profiling of olfactory neuroblastoma (ONB) and sinonasal tumors with ONB features	Ganly, Ian, MD, PhD	Head & Neck
16-047	Investigating the tumor immune microenvironment in thoracic malignancies-lung cancer, mesothelioma, esophageal cancer, and lung metastasis	Adusumilli, Prasad, MD	Thoracic
15-292	Adjuvant Lung Cancer Enrichment Marker Identification and Sequencing Trial (ALCHEMIST/A151216) (CIRB)	Jones, David, MD	Thoracic
15-281	Uterine Washing Biomarkers as a Novel Screening Tool for High Grade Serous Carcinoma	Long Roche, Kara, MD	Gynecology
15-256	Detection and Typing of Human Papillomaviruses and Microbiome in Oral Specimens	Ganly, Ian, MD, PhD	Head & Neck
15-209	Comparison of presentation and outcomes in patients with colorectal cancer in MSKCC, South Africa, and Ife, Nigeria	Kingham, T. Peter, MD	Hepatopancreatobiliary
15-191	Long Term Expansion, Banking and Analysis of Normal and Malignant Intestinal Crypts From Surgical Specimens	Paty, Philip, MD	Colorectal
15-115	Histopathological Prognostic Markers of Malignant Pleural Mesothelioma	Adusumilli, Prasad, MD	Thoracic

Biospecimen Research

IRB	Title	PI	Service
15-102	Molecular Characterization of Primary Appendiceal Neoplasms	Nash, Garrett, MD	Colorectal
15-052	The Role of the Nerve Microenvironment in Perineural Invasion	Wong, Richard, MD	Head & Neck
13-218	Kidney Cancer DNA Registry	Coleman, Jonathan, MD	Urology
13-010	Profiling The Genome And Transcriptome Of Pediatric Liver Tumors; Fibrolamellar Hepatocellular Carcinoma And Hepatoblastoma	LaQuaglia, Michael P., MD	Pediatric
12-237	Creation of Renal Cell Carcinoma Cell Lines, Xenograft models, and Biospecimen Bank	Hakimi, Abraham, MD	Urology
12-206	Analysis of the Gene Expression Signature of Regulatory T Cells in Human Breast Malignancies	Pliatas, George, MD	Breast
12-001	In Vitro Culture and Establishment of Xenograft Models of Human Prostate Cancer	Carver, Brett, MD	Urology
11-195	Genomic Characterization of Salivary Gland, Thyroid and Head and Neck Tumors	Morris, Luc, MD	Head & Neck
11-083	The Role of Immunity in Gastrointestinal and Hepatopancreatobiliary Malignancy	Jarnagin, William, MD	Hepatopancreatobiliary
11-033	The Role of Tumor Exosomes in Melanoma	Brady, Mary, MD	Gastric & Mixed Tumor
10-118	Characterization of Tumor Markers in the Bile of Patients with Liver, Biliary and Pancreatic Tumors	Jarnagin, William, MD	Hepatopancreatobiliary
02-060	Novel Biochemical and Molecular Determinants for Soft Tissue Sarcoma	Singer, Sam, MD	Gastric & Mixed Tumor

Therapeutic/QoL Research

IRB	Title	PI	Service
23-208	A Phase 2a, Multicenter, Randomized, Subject and Evaluator Blinded, Controlled Study Evaluating the Safety and Efficacy of NTX-001 Compared to Standard of Care in the Treatment and Prevention of Facial Paralysis Requiring Surgical Repair.	Dayan, Joseph, MD	Plastic & Reconstruction
23-145	ICARuS II (Intraperitoneal Chemotherapy After cytoReductive Surgery): A Multi-center, Randomized Phase II Trial of Normothermic Intraperitoneal Chemotherapy and Intravenous Chemotherapy After Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy for Malignant Peritoneal Mesothelioma	Nash, Garrett, MD	Colorectal
23-136	A Phase II, Open-Label, Multicenter, Randomized Study of the Efficacy and Safety of Adjuvant Autogene Cevumeran Plus Atezolizumab and mFolfirinox Versus mFolfirinox Alone in Patients with Resected Pancreatic Ductal Adenocarcinoma	Balachandran, Vinod, MD, FACS	Hepatopancreatobiliary
23-102	The Safety of a Buried Free Fat Flap to Reduce Neck Morbidity Following Cancer Treatment: A Pilot Study	Matros, Evan, MD	Plastic & Reconstruction
23-027	Total Neoadjuvant NALIRIFOX Plus Ablative Dose Radiation Therapy for Borderline Resectable and Locally Advanced Pancreatic Adenocarcinoma	Wei, Alice, MD	Hepatopancreatobiliary
23-025	A Prospective Cohort Study of Patients Undergoing ALND for Treatment of Breast Cancer: The Efficacy of a Comprehensive Prevention Program in Decreasing the Incidence of Lymphedema and Improving Quality of Life	Coriddi, Michelle, MD	Plastic & Reconstruction

Therapeutic/QoL Research

IRB	Title	PI	Service
22-429	A Randomized Phase III Trial of Intravesical BCG Versus Intravesical Docetaxel and Gemcitabine Treatment in BCG Naïve High Grade Non-Muscle Invasive Bladder Cancer (BRIDGE) (EA8212) (CIRB)	Pietzak, Eugene, MD	Urology
22-182	A Randomized Controlled Trial of Robotic versus Open Radical Hysterectomy for Cervical Cancer (ROCC trial)	Leitao, Mario, MD	Gynecology
22-136	Feasibility of preoperative radiotherapy in T3 and T4 breast cancer patients who are responders to neoadjuvant chemotherapy to allow for immediate reconstruction: a prospective study	Tadros, Audree, MD	Breast
22-099	Pivotal Study of the NanoKnife System for Ablation of Prostate Tissue in an Intermediate-Risk Patient Population	Coleman, Jonathan, MD	Urology
22-071	A Randomized Controlled Trial of Prepectoral Breast Reconstruction with and without Acellular Dermal Matrix	Matros, Evan, MD	Plastic & Reconstruction
22-050	A Phase 2a Double-Blind, Placebo-Controlled Study to Determine the Safety, Tolerability, Pharmacokinetics, and Efficacy of Deupirfenidone (LYT-100) in Patients with Breast Cancer-Related Upper Limb Secondary Lymphedema	Coriddi, Michelle, MD	Plastic & Reconstruction
21-439	Groningen International Study on Sentinel Nodes in Vulvar Cancer (GROINSS-V) III: A Prospective Phase II Treatment Trial (NRG-GY024) (CIRB)	Leitao, Mario, MD	Gynecology
21-314	Phase I Study Evaluating the Safety and Tolerability of an Intravesical Anti-CD40 Agonist Antibody (2141-V11) in Subjects with Non-muscle Invasive Bladder Cancer Unresponsive to Bacillus Calmette-Guerin Therapy	Bochner, Bernard, MD	Urology
21-166	A Phase 2 "Window of Opportunity" Trial of Targeted Therapy with Erdafitinib in Patients with Recurrent FGFR3-Altered Non-Muscle Invasive Bladder Cancer	Pietzak, Eugene, MD	Urology
21-073	A Phase II, Randomized, Double-blind, Placebo-controlled Study Evaluating the Efficacy and Safety of Adjuvant Platinum Doublet Chemotherapy with or without Atezolizumab in Patients who are ctDNA Positive After Complete Surgical Resection of Stage IB to Select IIIB Non-Small Cell Lung Cancer (YO41867)	Isbell, James, MD	Thoracic
21-026	Phase III Randomized Clinical Trial for Stage III Epithelial Ovarian Cancer Randomizing between Primary Cytoreductive Surgery with or without Hyperthermic Intraperitoneal Chemotherapy: OVHIPEC-2	Sonoda, Yukio, MD	Gynecology
20-565	A Randomized Controlled Trial of Prepectoral Versus Subpectoral Prosthetic Breast Reconstruction	Matros, Evan, MD	Plastic & Reconstruction
20-560	Randomized Phase II/III Trial of Sentinel Lymph Node Biopsy Versus Elective Neck Dissection for Early-Stage Oral Cavity Cancer (NRG-HN006) (CIRB)	Cracchiolo, Jennifer, MD	Head & Neck
20-456	Melanoma Margins Trial (MelMarT): A Phase III, Multi-Centre, Multi-National Randomised Control Trial Investigating 1cm v 2cm Wide Excision Margins for Primary Cutaneous Melanoma	Bello, Danielle, MD	Gastric & Mixed Tumor
20-155	PRO-ACTIVE: Comparing the Effectiveness of Prophylactic Swallow Intervention for Patients Receiving Radiotherapy for Head and Neck Cancer	Cracchiolo, Jennifer, MD	Head & Neck
20-114	Open-Label Clinical Study to Assess the Safety and Adequacy of Effectiveness of the SpectraCure P18 System (Interstitial Multiple Diode Lasers and IDOSE Software) and Verteporfin for Injection (VFI) for the Treatment of Recurrent Prostate Cancer	Eastham, James, MD	Urology

Therapeutic/QoL Research

IRB	Title	PI	Service
20-021	A Randomized Control Trial: Does Immediate Lymphatic Reconstruction Decrease the Incidence of Lymphedema After Axillary Lymph Node Dissection?	Coriddi, Michelle, MD	Plastic & Reconstruction
14-151	A Randomized Phase III Trial Evaluating the Role of Axillary Lymph Node Dissection in Breast Cancer Patients (cT1-3 N1) Who Have Positive Sentinel Lymph Node Disease After Neoadjuvant Chemotherapy (Alliance A011202)	Morrow, Monica, MD	Breast
13-201	Prophylactic Antibiotic Regimens in Tumor Surgery (PARITY): A Multi-Center Randomized Controlled Study Comparing Alternative Antibiotic Regimens in Patients Undergoing Tumor Resections with Endoprosthetic Replacements	Healey, John, MD	Orthopedic
12-289	ICARuS (Intraperitoneal Chemotherapy After cytoReductive Surgery): A Single-center, Randomized Phase II Trial of Early Post-operative Intraperitoneal Chemotherapy (EPIC) and Hyperthermic Intraperitoneal Chemotherapy (HIPEC) After Optimal Cytoreductive Surgery (CRS) for Neoplasms of the Appendix, Colon or Rectum with Isolated Peritoneal Metastasis	Nash, Garrett, MD	Colorectal
11-034	Flexible Fiber-based CO2 Laser Versus Monopolar Cautery for Resection of Benign, Pre-malignant and Malignant Oral Cavity Lesions: A Single Center Randomized Controlled Trial Assessing Pain and Quality of Life Following Surgery	Ganly, Ian, MD, PhD	Head & Neck

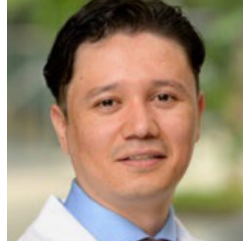
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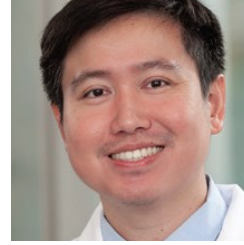
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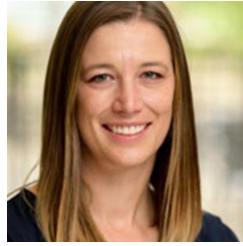
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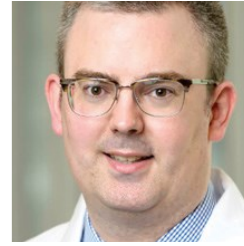
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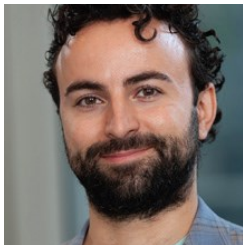
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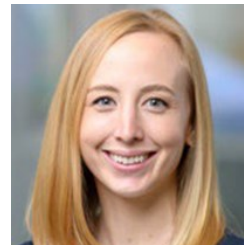
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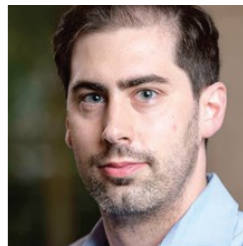
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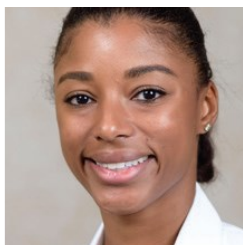
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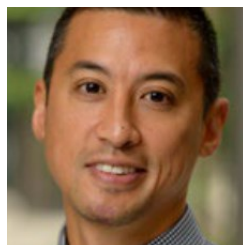
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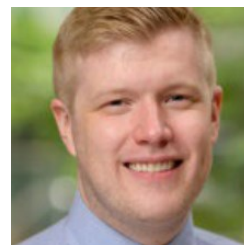
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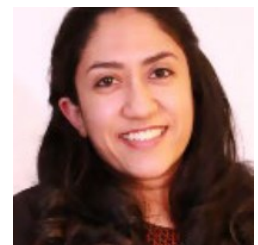
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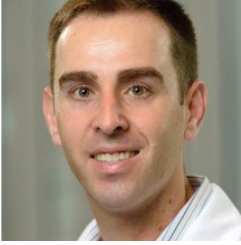


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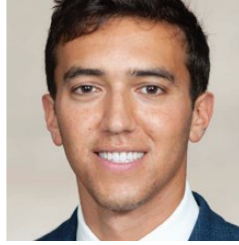
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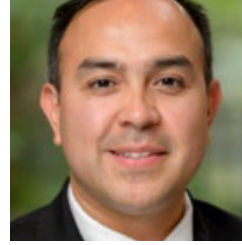
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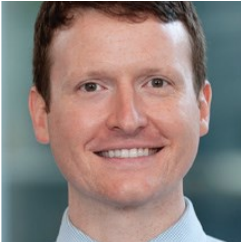
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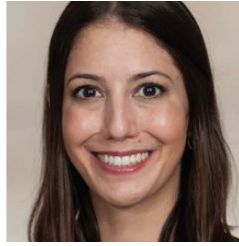
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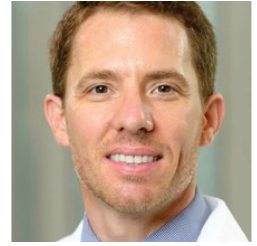
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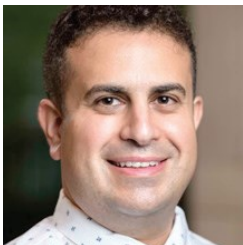
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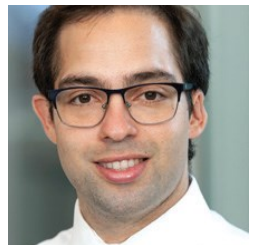
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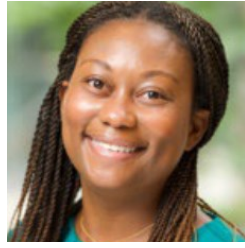


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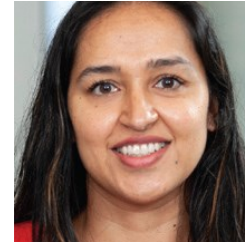
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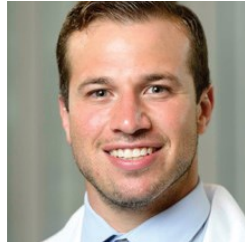
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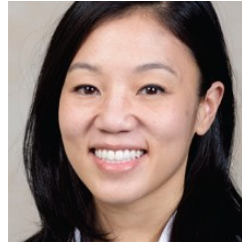
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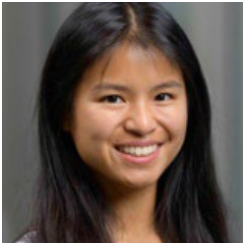
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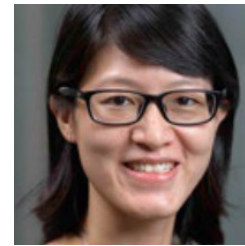
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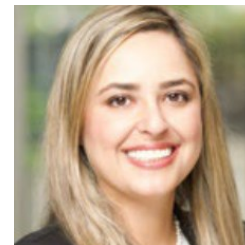
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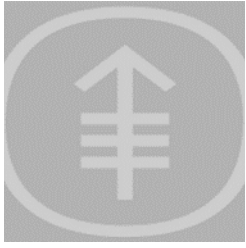


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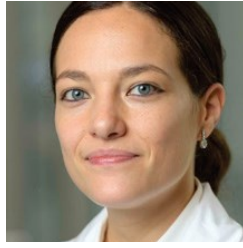
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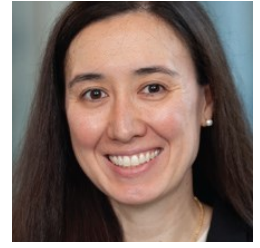
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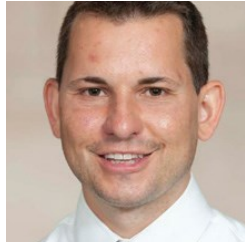
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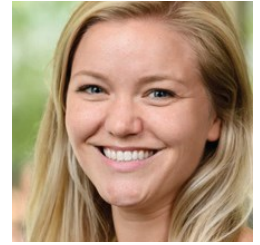
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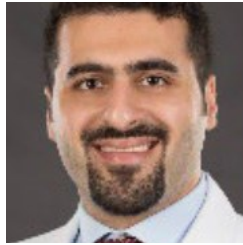
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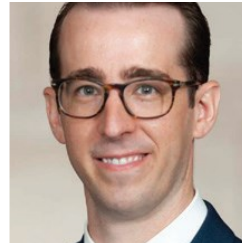
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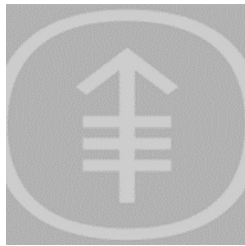
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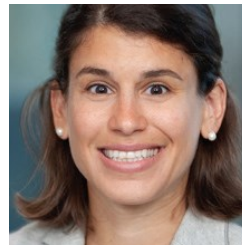
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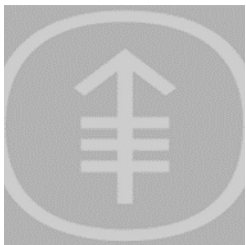
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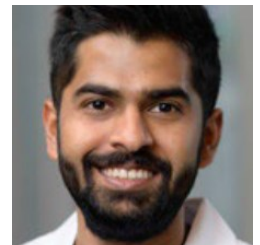
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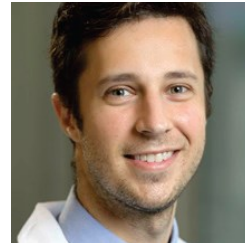
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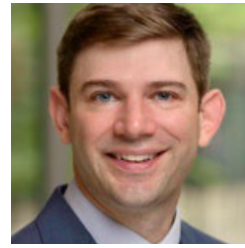
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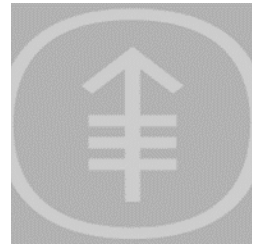
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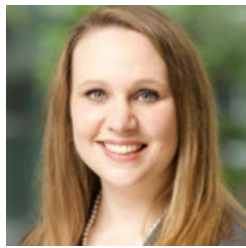
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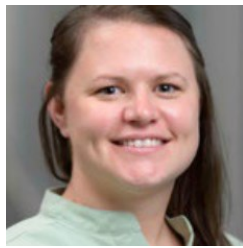
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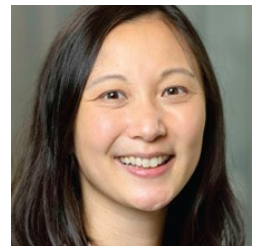
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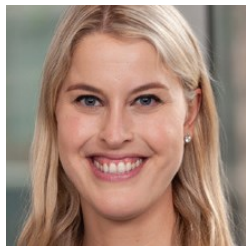
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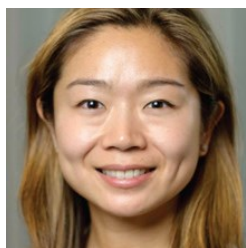
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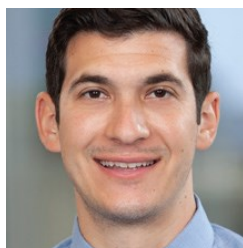
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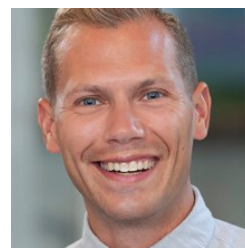
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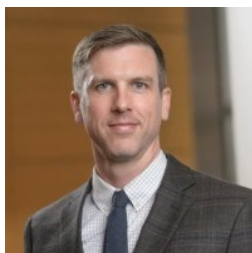
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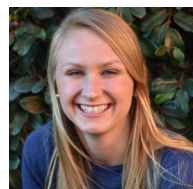
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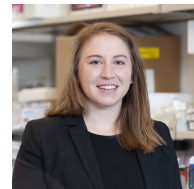
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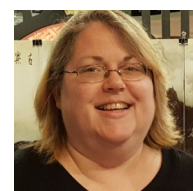
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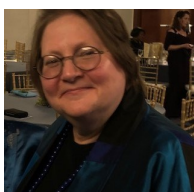
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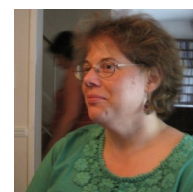
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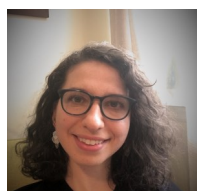
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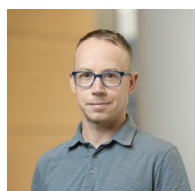
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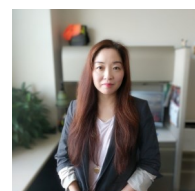
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PUBLICATIONS

- Abate M, Vos E, Gonen M, Janjigian YY, Schattner M, Laszkowska M, Tang L, Maron SB, **Coit DG**, Vardhana S, Vanderbilt C, **Strong VE**. A novel microbiome signature in gastric cancer: A two independent cohort retrospective analysis. *Ann Surg*. 2022;276(4):605-615.
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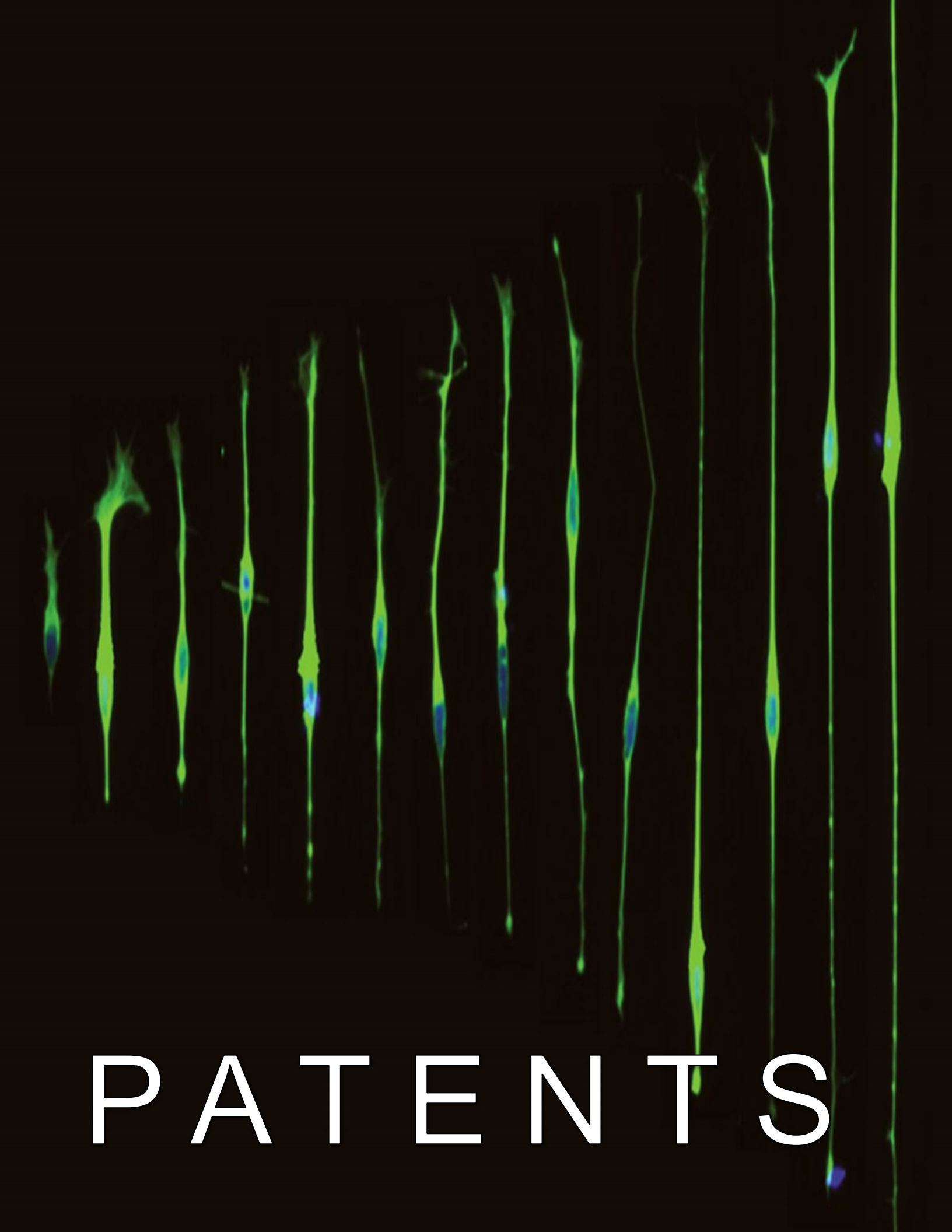
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PATENTS

Country	Patent Number	Patent Title	Inventor Name
United States	17/909,310	Anti-ccr8 agents	Plitas, George
Not Applicable (PCT App)	PCT/US2021/021008	Anti-ccr8 agents	Plitas, George
Europe	21764368.3	Anti-ccr8 agents	Plitas, George
China	TBD	Anti-ccr8 agents	Plitas, George
Japan	2022-552823	Anti-ccr8 agents	Plitas, George
United States	17/831,638	Cells expressing c-kit mutations and uses thereof	Adusumilli, Prasad
Not Applicable (PCT App)	PCT/US2022/053749	Cells expressing fas ligand and cflip polypeptides and uses thereof	Adusumilli, Prasad
United States	63/292,810	Cells expressing fas ligand and cflip polypeptides and uses thereof	Adusumilli, Prasad
United States	18/049,876	Chimeric antigen receptors targeting cd127 and use thereof	Adusumilli, Prasad
Not Applicable (PCT App)	PCT/US2021/029372	Chimeric antigen receptors targeting cd127 and use thereof	Adusumilli, Prasad
Canada	3,181,394	Chimeric antigen receptors targeting cd127 and use thereof	Adusumilli, Prasad
Europe	21795922	Chimeric antigen receptors targeting cd127 and use thereof	Adusumilli, Prasad
Australia	2021262748	Chimeric antigen receptors targeting cd127 and use thereof	Adusumilli, Prasad
Russia	2021110230	Combined therapy: Immunomodulating Agents like Gemcitabine and VTP treatment for Breast and Bladder Cancer	Coleman, Jonathan
United States	17/395,103	Depleting tumor-specific tregs	Plitas, George
Not Applicable (PCT App)	PCT/US2022/079278	IL33 proteins and methods of use thereof	Balachandran, Vinod
United States	63/275,835	IL33 proteins and methods of use thereof	Balachandran, Vinod
Japan	2022-177351	Immune cell compositions and methods of use	Adusumilli, Prasad
Europe	22186683.3	Immune cell compositions and methods of use	Adusumilli, Prasad
United States	17/557,607	Immune cell compositions and methods of use	Adusumilli, Prasad
Japan	2021-90964	Immune cell compositions and methods of use	Adusumilli, Prasad
Japan	2022-188122	IMMUNE CELL COMPOSITIONS AND METHODS OF USE FOR TREATING VIRAL AND OTHER INFECTIONS	Adusumilli, Prasad
United States	63/407,711	In filing	Mehrara, Babak
Hong Kong	62022050757	Mesothelin cars and uses thereof	Adusumilli, Prasad
United States	17/526,812	Mesothelin cars and uses thereof	Adusumilli, Prasad
United States	17/623,867	Methods and compositions for treatment of pancreatic cancer	Balachandran, Vinod
United States	17/470,678	Methods and compositions of inhibiting dcn1-ubc12 interaction	Singh, Bhuvanesh
Not Applicable (PCT App)	PCT/US2022/033978	Methods for predicting immune checkpoint blockade efficacy across multiple cancer types	Morris, Luc
United States	63/212,219	Methods for predicting immune checkpoint blockade efficacy across multiple cancer types	Morris, Luc
United States	63/412,065	In filing	Balachandran, Vinod
Not Applicable (PCT App)	PCT/US2022/016594	Models for predicting mutant p53 fitness and their implications in cancer therapy	Balachandran, Vinod
United States	63/150,479	Models for predicting mutant p53 fitness and their implications in cancer therapy	Balachandran, Vinod
United States	17/618,952	Pharmaceutically active pyrazolo-pyridone modulators of dcn1/2-mediated cullin neddylation	Singh, Bhuvanesh
United States	17/193,367	Pleural effusion-based methods for assessing immunoresponsive cell activity	Adusumilli, Prasad

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Emmanouil P. Pappou	Colorectal	Member
George Plitas	Breast	BRP Reviewer
Daniel Prince	Orthopedics	Member
Gaetano Rocco	Thoracic	Member
Valerie Rusch	Thoracic	Alternate Chair
Audrey Tadros	Breast	Member
Iris H. Wei	Colorectal	Member
Alice Wei	Hepatopancreatobiliary	Member

Conferences and Presentations

Service/Program	Type	Frequency	Day	Coordinator(s)
Breast	Research Service Meeting	Monthly	Monday	George Plitas, MD, Rebecca Hanz Gonzalez
Colorectal	Fellows Presentation	Monthly	Monday	Alyia Lantigua, Rupa Sood
Dental	Research Meeting	Monthly	Friday	Roxanne Lewis
Global Cancer Disparities Program	Research Meeting with the MSK African Research Group in Oncology	Weekly	Thursday	Kate Randolph, Kemile Jackson
Head and Neck	Research Meeting	Weekly	Thursday	Alana Eagan
Hepatopancreatobiliary	Fellows Research Meeting	Biweekly	Thursday	Sharon Martin-Reid
Hepatopancreatobiliary	HPB DMT Research and X-Ray Conference	Weekly	Thursday	Dana Haviland
Plastic and Reconstructive	Surgical Conference	Weekly	Monday	Chevonne Saunders
Plastic and Reconstructive	Research Meeting	Weekly	Thursday	Jonas Nelson, MD, Carrie Stern, MD
Thoracic	Research Conference	Biweekly	Thursday	Prasad S. Adusumilli, MD, Patrick Evans

The 2023 Surgery Research Symposium

September 28th, 2023
9am - 5pm

Belfer Research Building
3rd Floor, Room 302
413 E 69th Street
New York, NY 10021

9:00 **Welcome Address and Opening Remarks**

Jeffrey Drebin, MD, PhD *Surgery Chair*
Prasad S. Adusumilli, MD *Thoracic*

9:15 **Lab Research: Current Focus and Future Directions**
Moderator: Vinod P. Balachandran, MD

Aimee M. Crago, MD, PhD *Gastric and Mixed Tumors*
Stephanie Downs-Canner, MD *Breast*
David R. Jones, MD *Thoracic*
Brian R. Untch, MD *Gastric and Mixed Tumors*
Vinod P. Balachandran, MD *Hepatopancreatobiliary*

10:25 **Meet the Surgical Research Staff**

Tamara T. Polanco *Associate Director*
Russell Holmes *Lab Manager*

10:40 Break

11:00 **Panel Discussion:**
Council of Surgical Sages
Moderator: Prasad S. Adusumilli, MD

Manjit S. Bains, MD *Thoracic*
Hiram S. Cody, MD *Breast*
John H. Healey, MD *Orthopaedic*
Michael P. La Quaglia, MD *Pediatric*
Philip B. Paty, MD *Colorectal*
Gaetano Rocco, MD *Thoracic*

11:45 **Meet the Editorial Staff**

Daniel Pepper *Associate Director*

12:00 Lunch

Poster Presentations
Belfer Research Building
2nd Floor, Room 204-C

1:00 **Lab Research: Current Focus and Future Directions**
Moderator: Brett S. Carver, MD

Brett S. Carver, MD *Urology*
Britta Weigelt, PhD *Gynecology*
Minna K. Lee, MD *Breast*
Luc G. T. Morris, MD *Head and Neck*
J. Joshua Smith, MD, PhD *Colorectal*

2:10 **Panel Discussion:**
"If I Knew What I Know Now When I Was a Fellow"
Moderator: J. Joshua Smith, MD, PhD

Matthew Bott, MD *Thoracic*
Luc G. T. Morris, MD *Head and Neck*
Daniel E. Prince, MD *Orthopaedic*

2:55 Break

3:15 **Lab Research: Current Focus and Future Directions**
Moderator: Raghu P. Kataru, PhD

Raghu P. Kataru, PhD *Plastic and Reconstructive*
Richard J. Wong, MD *Head and Neck*
Charlotte E. Ariyan, MD, PhD *Gastric and Mixed Tumors*
John H. Healey, MD *Orthopaedic*
Eugene Pietzak, MD *Urology*

4:25 **Panel Discussion:**
Pearls and Pitfalls for Surgical Investigators in Clinical Research
Moderators: Lauren Drake, DO; Adana Campbell, MD; Nicole Aguirre, MD (Research Fellows)

Jennifer R. Crachhiolo, MD *Head and Neck*
Jackie Feinberg, MD *Gynecology*
Cara Long Roche, MD *Gynecology*
Jonas Nelson, MD *Plastic and Reconstructive*
Alice Wei, MD *Hepatopancreatobiliary*

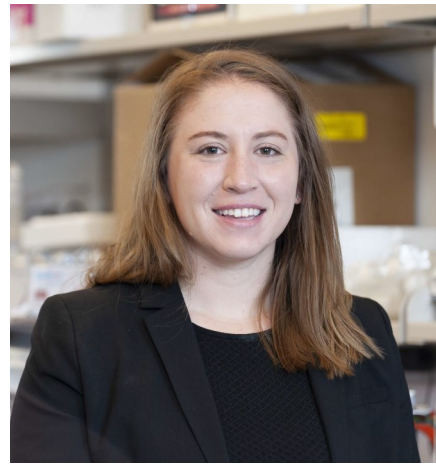
5:00 **Reception**
Rockefeller University
Abby Aldrich Reception Hall

1230 York Avenue
New York, NY 10065

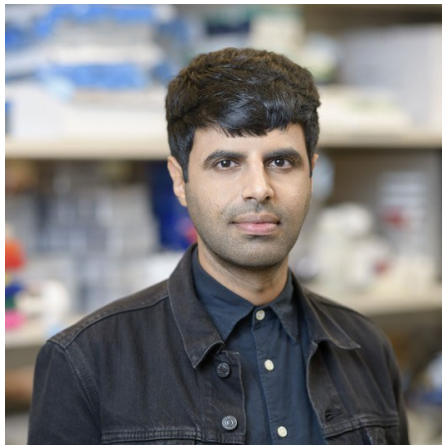
Research Report Compilation



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Deputy Chief and Attending, Thoracic Service;
Vice Chair for Translational Research, Dept. of
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