

# Breast Surgery Fellowship Program

Surgical Leadership and Research



Memorial Sloan Kettering  
Cancer Center

# Training the Future Leaders of Cancer Care



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## WELCOME

On behalf of the Breast Surgery Service, we are enthusiastic about your interest in our breast surgery fellowship program, which provides an outstanding surgical experience combined with an emphasis on multidisciplinary care and evidence-based management. After completion of our program, our trainees are well equipped to meet the challenges of breast cancer care in the 21st Century.

**Monica Morrow**

*Chief, Breast Service, Department of Surgery;  
Anne Burnett Windfohr Chair of Clinical Oncology*

## HISTORY



The Josie Robertson Surgery Center



Evelyn H. Lauder Breast and Imaging Center (BAIC)

**Memorial Sloan Kettering Cancer Center, the first cancer hospital in the United States, was founded in 1884 as New York Cancer Hospital on Manhattan's Upper West Side.** In 1936, the hospital began a move to its present location on York Avenue, on land donated by John D. Rockefeller, Jr., and the new Memorial Hospital for the Treatment of Cancer and Allied Diseases opened in 1939. The building, which was renovated between 1970 and 1973, stands on the site today.

In the 1940s two former General Motors executives, Alfred P. Sloan and Charles F. Kettering, collaborated to establish the Sloan Kettering Institute (SKI), which has since become one of the nation's leading biomedical research institutions. Built adjacent to Memorial Hospital, SKI was formally dedicated in 1948.

In 1960, a new corporate entity—Memorial Sloan Kettering Cancer Center—was formed to coordinate and guide the overall policy for Memorial Hospital and the Sloan Kettering Institute. In 1980 these entities were unified into a single institution.

At present, MSK houses **514 inpatient beds**, and unites a team of **21,838 employees** and **1,952 residents and fellows**. In 2021, MSK recorded 24,142 inpatient stays and provided 732,728 outpatient visits. According to US News & World Report, Memorial Sloan Kettering Cancer Center has ranked as one of the top two hospitals for cancer care in the United States for more than 30 years. Memorial Sloan Kettering Cancer Center is one of 72 National Cancer Institute–designated Comprehensive Cancer Centers, with state-of-the-art science flourishing side by side with clinical studies and treatment.

In 2015, a generous commitment from The Robertson Foundation made possible the creation of the MSK Josie Robertson Surgery Center, a new 16-story, 179,000-square-foot building located on Manhattan's Upper East Side. Over 20,000 operations are performed each year at Josie Robertson Surgery Center, including **4,500 breast operations**. Designed from the ground up with the surgical care needs and experience of patients and families foremost in mind, the Josie Robertson Surgery Center is a first-of-its-kind freestanding surgical facility where our surgeons can perform outpatient procedures in a state-of-the-art setting.

The MSK Ralph Lauren Center offers cancer prevention, diagnosis, treatment, and support services. Since its founding in 2003, the MSK Ralph Lauren Center has served New York City's Harlem community—a community with one of the highest cancer mortality rates in the nation—and surrounding neighborhoods by providing high-quality care in a warm, welcoming, and culturally sensitive environment. In keeping with its mission to diminish disparities and address historically underserved communities by increasing access to world-class cancer treatment, the MSK Ralph Lauren Center has cared for thousands of people, making it a beacon for compassionate cancer care for residents of Harlem and beyond.

The 6 MSK Basking Ridge, NJ, Bergen, NJ, Monmouth NJ, Nassau NY, Commack, NY, and Westchester, NY satellite locations expand MSK's cancer treatment mission, and accessibility to its world-class cancer care—including chemotherapy, radiation, and immunotherapy—and its outpatient mastectomy program, to the greater New York, New Jersey, Connecticut area.

## TIMELINE

### 1920-1933



**Dr. Burton James Lee**

The Breast Service at Memorial Sloan Kettering Cancer Center was established in 1920 with the founding of the Memorial Hospital Breast Clinic by its first chief, Dr. Burton James Lee. One of Memorial's charter members, Dr. Lee led the Breast Service to international renown as a model in the field of breast cancer treatment.

### 1933-1952



**Dr. Frank Adair**

In 1933 Dr. Lee was succeeded by Dr. Frank Adair, a pioneer in the combined use of radiation therapy, hormone therapy, and surgery in the treatment of breast cancer. Dr. Adair was a founding member of the clinical section of the Sloan Kettering Institute for Cancer Research.

### 1952-1960



**Dr. Norman Treves**

After Dr. Adair's retirement in 1952, Dr. Norman Treves was appointed chief of the Breast Service. An authority on breast tumors and lymphedema research, he co-discovered a rare complication of chronic lymphedema resulting from mastectomy and/or radiation therapy for breast cancer, which would be named Stewart-Treves syndrome.

### 1960-1969



**Dr. Joseph Farrow**

Dr. Treves was succeeded by Dr. Joseph Farrow as chief of the Breast Service in 1960. Dr. Farrow was one of the first breast cancer researchers to emphasize what is now called in situ carcinoma of the breast, a field which continues to occupy a prominent place in the research and treatment of breast cancer five decades later.

### 1979-1993



**Dr. David Kinne**

Dr. David Kinne, a pioneer in the field of breast-conservation therapy and a widely respected authority on breast cancer in the elderly, was appointed chief of the Breast Service in 1979.

### 1993-2006



**Dr. Patrick Borgen**

Dr. Kinne was succeeded in 1993 by Dr. Patrick Borgen. Under Dr. Borgen's stewardship, the Breast Service inaugurated the Breast Service Fellowship Program, one of the first of its kind in the United States, and one of the first such programs to receive Society of Surgical Oncology accreditation.

### 2008-Present



**Dr. Monica Morrow**

Dr. Monica Morrow was appointed chief of the Breast Service in 2008. Dr. Morrow served as president of the Society of Surgical Oncology in 2012-2013. Her research focuses on the application of advances from clinical trials to daily surgical practice.



## Andrea V. Barrio, MD, FACS

Associate Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center

Associate Professor of Surgery, Weill Cornell Medical College

**Education:** MD, University of California at Los Angeles School of Medicine

**Residency:** New York Presbyterian Hospital/Weill Cornell Medical Center

**Fellowship:** Memorial Sloan Kettering Cancer Center



**Andrea V. Barrio, MD, FACS**, is an Associate Attending on the Breast Service. She sees patients at the MSK Westchester site in West Harrison, NY. Over the past several years, Dr. Barrio has also been involved in clinical research focused on the surgical management of the axilla after neoadjuvant chemotherapy and methods to avoid axillary lymph node dissection in this patient population. Her primary research interest has been the study of lymphedema in early-stage breast cancer patients. Her research has focused on methods to detect early signs of the condition and to study how early detection impacts long-term quality of life. Dr. Barrio is currently the principal investigator of a prospective lymphedema surveillance program for the assessment and treatment of breast cancer-related lymphedema after axillary lymph node dissection. This study began accruing patients in September 2016 at the Evelyn H. Lauder Breast Center. Her hope is that by better understanding the consequences and side effects of breast cancer treatment, we can work to enhance every patient's quality of life.

## Recent Highlights

### Grants

NIH R01 CA278599-01: Mechanisms of racial disparity in breast cancer-related lymphedema.

NIH/NCI Omnibus R03: Sentinel Lymph Node Biopsy After Neoadjuvant Chemotherapy in Patients Presenting with Locally Advanced Breast Cancer: A Prospective Study.

### Leadership

Member, Executive Council, Society of Surgical Oncology

Society of Surgical Oncology Liaison to the Breast Disease Site Working Group

Board Examiner, Complex General Surgical Oncology

### Publications

Montagna G, Zhang J, Sevilimedu V, Charyn J, Abbate K, Gomez EA, Mehrara B, Morrow M, Barrio AV. Risk Factors and Racial and Ethnic Disparities in Patients With Breast Cancer-Related Lymphedema. *JAMA Oncol* 2022; 8(8): 1195-1200.

Barrio AV, et al. Nodal Recurrence in Patients With Node-Positive Breast Cancer Treated With Sentinel Node Biopsy Alone After Neoadjuvant Chemotherapy-A Rare Event. *JAMA Oncol* 2021;7(12):1851-5.

Heller DR, Axelrod B, Sevilimedu V, Morrow M, Mehrara BJ, Barrio AV. Quality of Life after Axillary Lymph Node Dissection among Racial and Ethnic minority Women. *JAMA Surgery* 2024, In Press.

### Investigator Initiated Trials

A Prospective Surveillance Program for Assessment and Treatment of Breast Cancer Related Lymphedema; 17-384:

Sentinel Node Biopsy after Neoadjuvant Chemotherapy in Patients Presenting with Locally Advanced Breast Cancer: A Prospective Study





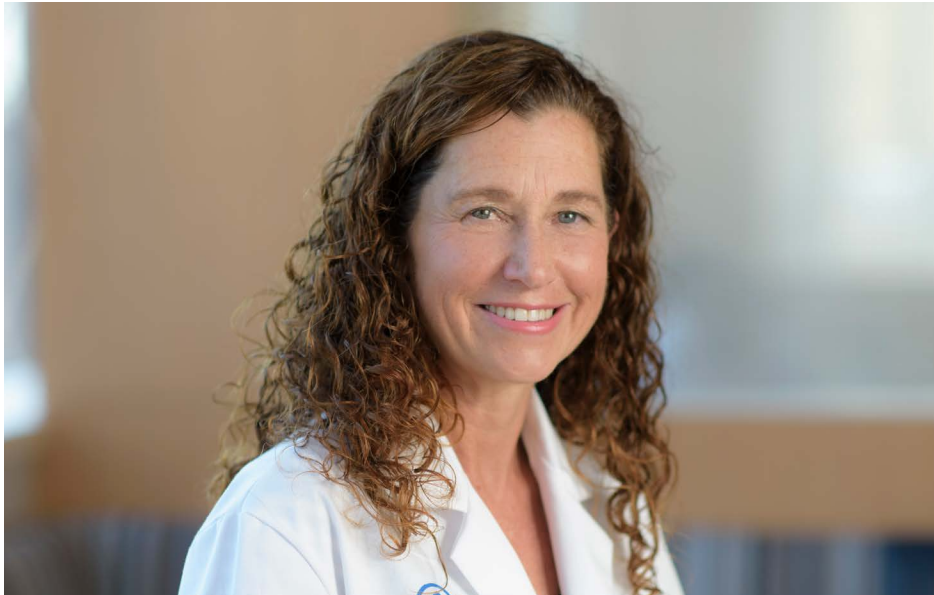
## Deborah M. Capko, MD, FACS

Associate Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Associate Professor of Surgery, Weill Cornell Medical College

**Education:** MD, University of Medicine and Dentistry of New Jersey

**Residency:** University of Medicine and Dentistry of New Jersey

**Fellowship:** European Institute of Oncology



#### Recent Highlights

##### Service

Member of NJ Commission on breast cancer treatment

Medical advisory board, New Jersey Susan G. Komen organization

**Deborah M. Capko, MD, FACS**, is a surgical oncologist and a member of the Breast Surgical Service at Memorial Sloan Kettering Cancer Center (MSK) in New York and New Jersey.

Dr. Capko sees new patients at the Basking Ridge, New Jersey facility, and she performs many of her surgical procedures at the MSK facility in Middletown, New Jersey and MSK in New York City. Dr. Capko works in partnership with the Nurse Practitioners at both Basking Ridge and Monmouth overseeing the **RISE** (Risk assessment, Imaging, Surveillance, and Education) high-risk breast cancer program.

Dr. Capko has provided breast cancer care to women in New Jersey for 23 years. Although her major focus is on clinical patient care, she also enrolls patients in the research trials available at the Basking Ridge facility and expedites entry into the clinical trials system at MSK's New York City location, when appropriate.

Dr. Capko lectures throughout the area to both public and physician audiences about breast cancer risk and the newest advances in breast cancer treatment. She is a member of the New Jersey Commission on Breast Cancer Research, is on the medical advisory board of the North Jersey Susan G. Komen organization, and has contributed to its nationally recognized "Teens for the Cure" program.



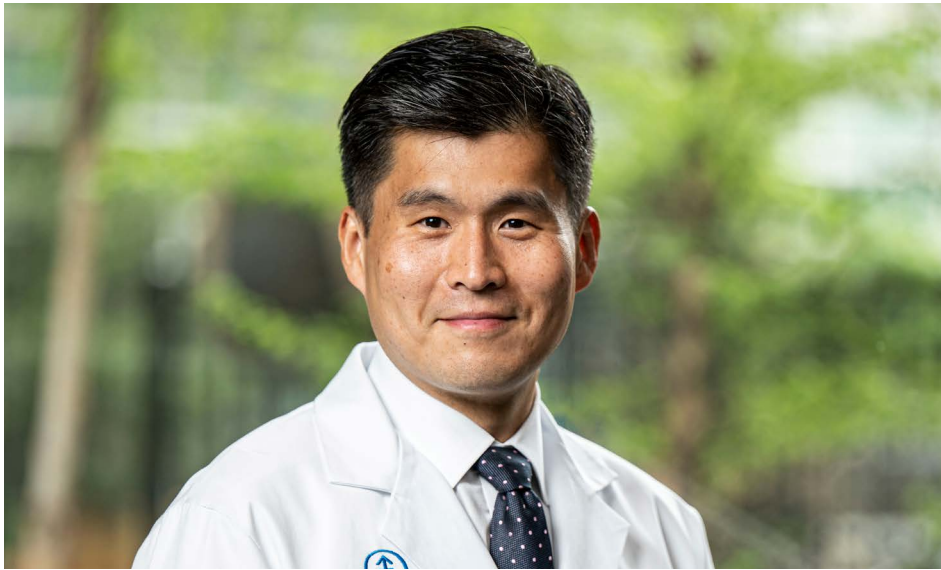
## Daniel X. Choi, MD

Associate Attending, Breast Surgical Service  
Director, Medical Student Program  
Memorial Sloan Kettering Cancer Center  
Associate Professor, Weill Cornell Medical College

**Education:** MD, The University of Chicago

**Residency:** The University of Rochester

**Fellowship:** Memorial Sloan Kettering Cancer Center



## Recent Highlights

### Leadership

Director, Medical Student Program

**Dr. Daniel Choi** sees patient at the MSK Commack location on Long Island. He also oversees our medical student education program.

After completing a fellowship in breast surgical oncology at Memorial Sloan Kettering Cancer Center, he joined the United States Air Force. For a decade, he was assigned to the David Grant USAF Medical Center, Travis Air Force Base in California—the U.S. Air Force’s largest hospital—where he eventually achieved the rank of Lieutenant Colonel and was appointed Deputy Squadron Commander and Chief of Surgery. There, he helped build a breast program that provided care to patients from across the globe. On his 2 overseas deployments, he also founded a breast cancer treatment program in Afghanistan with the mission of delivering advanced care to an underserved population of women with cancer.



## Stephanie Downs-Canner, MD, FACS

Assistant Attending, Breast Surgical Service  
Director, Breast Fellowship Program  
Director, Resident Program  
Memorial Sloan Kettering Cancer Center  
Assistant Professor, Weill Cornell Medical College

**Education:** MD, University of Pittsburgh School of Medicine

**Residency:** University of Pittsburgh School of Medicine

**Postdoctoral Research Fellowship:** University of Pittsburgh Hillman Cancer Center

**Fellowship:** Memorial Sloan Kettering Cancer Center



**Stephanie Downs-Canner, MD**, is a surgical oncologist specializing in the treatment of patients with breast cancer, and a translational investigator embedded with the Sloan Kettering Institute. She sees patients at Memorial Sloan Kettering's Westchester, NY facility. Dr. Downs-Canner's NIH-funded research focuses on the role that immune cells play in the enhancement of the body's own immune response, and on the B-cell's importance to the efficacy of checkpoint blockade immunotherapy. She works with a team of researchers at Sloan Kettering Institute on a range of basic and translational science. She has also created a prospective database of patients with triple negative breast cancer treated with neoadjuvant immunotherapy which has resulted in robust cross-disciplinary collaborations for the Breast Service.

In virtually every year of her career since graduating from medical school, Dr. Downs-Canner garnered recognition for excellence in mentoring and teaching. Prior to joining faculty at MSK, her teaching and mentoring awards included Excellence in Resident Teaching, Excellence in Medical Student Teaching, Clinical Preceptor of the Year, the Craver Teaching Award, and Best New Faculty Member. She currently directs the Breast Surgery Fellowship Program at MSK.

## Recent Highlights

### Grants

NIH (NCI) 1 KO8 CA259533-01A1 The role of B-cells in the anti-tumor immune response in triple negative breast cancer

### Leadership

Director, Breast Surgery Fellowship Program

Member, Research Committee, Society of Surgical Oncology

Publications Committee, American Society of Breast Surgeons

Immuno-Oncology Working Group, Translational Breast Cancer Research Consortium

Editorial Board, Journal of Surgical Research

Editorial Board, Surgical Oncology Insight

### Publications

Downs-Canner S, Mittendorf EA. Selecting Triple Negative Breast Cancer Patients for Immunotherapy. *Surg Oncol Clin N Am.* 2023 Oct;32(4):733

Downs-Canner S, Mittendorf EA. Preoperative Immunotherapy Combined with Chemotherapy for Triple-Negative Breast Cancer: Perspective on the KEYNOTE-522 Study. *Ann Surg Oncol.* 2023 Jun;30(6):3166-3169.

Lue JK, Downs-Canner S, Chaudhuri J. The role of B cells in the development, progression, and treatment of lymphomas and solid tumors. *Adv Immunol.* 2022;154:71



## Mahmoud B. El-Tamer, MD, FACS

Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Professor of Surgery, Weill Cornell Medical College

**Education:** MD, American University of Beirut

**Residency:** State University of New York Health Science Center at Brooklyn

**Fellowship:** Memorial Sloan Kettering Cancer Center



**Mahmoud B. El-Tamer, MD, FACS**, is a breast surgeon with 27 years of experience caring for patients with breast cancer, and works collaboratively with other breast cancer specialists on Memorial Sloan Kettering Cancer Center's multidisciplinary breast cancer disease management team. After receiving surgical training in both oncologic and reconstructive procedures, Dr. El-Tamer developed an interest in joining these two disciplines with the goal of providing improved care to breast cancer patients, and he has developed a special expertise in this growing field of oncoplastic surgery. In 2013 he published a textbook entitled *Principles and Techniques in Oncoplastic Breast Surgery*, and in 2019 he published a second edition of this textbook in collaboration with other international breast surgeons entitled *Oncoplastic and Reconstructive Anatomy of the Breast*.

Dr. El-Tamer's research interests have covered different aspects of breast cancer and quality of care in surgery. He has served as principal or co-principal investigator on research grants from the Avon Breast Cancer Foundation, the United States Veterans' Administration, and the American College of Surgeons. Dr. El-Tamer was the principal investigator for and is currently the co-holder of a U.S. patent for Detectably Labeled Porphyrin Compound for Identifying the Sentinel Lymph Node (US 6,458,336 B1; October 1, 2002). He has led an important investigation exploring the clinical significance of micrometastasis detected by immunohistopathology in patients with ductal carcinoma in situ (DCIS). The results of that research have helped clinicians seriously reconsider the role and the indication of sentinel-node dissection in patients with DCIS.

Dr. El-Tamer's research has also covered different clinical aspects of breast cancer in minority populations in the United States, quality of care in surgery, and breast cancer in men. He has written more than 90 book chapters, manuscripts, and editorials on these subjects.

Dr. El-Tamer was the one of the principal investigators who validated the applicability of the National Surgical Improvement Program (NSQIP) in the private sector, which has since been adopted by the American College of Surgeons as a quality-improvement guideline. He is one of the founding members of the National Accreditation Program for Breast Centers, and has served on its board of directors and as chair of its information technology and quality improvement committees.

Dr. El-Tamer is an active member of many leading professional societies, including the American College of Surgeons, the Society of Surgical Oncology, the American Society of Breast Surgeons, and the American Society of Breast Diseases.

## Recent Highlights

### Awards

Oncoplastic Breast Consortium 2020

### Clinical trial leadership

NRG-BR007: A phase III trial evaluating de-escalation of breast radiation (DEBRA) following breast-conserving surgery (BCS) of stage I, HR+, HER2-, RS ≤ 18 breast cancer

The IDEA Study: Individualized Decisions for Endocrine therapy Alone

### Publications

Williams AD, Pawloski KR, Wen HY, Sevilimedu V, Thompson D, Morrow M, El-Tamer M. Use of a supervised machine learning model to predict Oncotype DX risk category in node-positive patients older than 50 years of age. *Breast Cancer Res Treat* 2022;196(3):565-70.

Montagna G, El-Tamer MB. Staging of the Axilla After Neoadjuvant Chemotherapy: Which Technique is Better? The Endless Debate. *Ann Surg Oncol* 2023;30(11):6290-6292.

Jagsi R, Griffith KA, Harris EE, Wright JL, Recht A, Taghian AG, Lee L, Moran MS, Small W, Jr., Johnstone C, Rahimi A, Freedman G, Muzaffar M, Haffty B, Horst K, Powell SN, Sharp J, Sabel M, Schott A, El-Tamer M. Omission of Radiotherapy After Breast-Conserving Surgery for Women With Breast Cancer With Low Clinical and Genomic Risk: 5-Year Outcomes of IDEA. *J Clin Oncol* 2024;42(4):390-8.

Palmquist E, Sevilimedu V, Garcia P, Le T, Zhang X, Pinker-Domenig K, Hanna MG, Nelson JA, Morrow M, El-Tamer M. Patient-Reported Outcomes in Patients Undergoing Lumpectomy With and Without Defect Closure. *Ann Surg Oncol* 2024;31(3):1615-22.





## Alexandra S. Heerdt, MD, MPH, FACS

Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Professor of Surgery, Weill Cornell Medical College

**Education:** MD, Jefferson Medical College

**Residency:** The New York Hospital/Cornell Medical Center

**Fellowship:** Sloan Kettering Institute



## Recent Highlights

### Endowed Chair

Founder's Chair in Surgical Oncology

**Alexandra S. Heerdt, MD, MPH, FACS**, is a board-certified surgeon with clinical expertise in diagnosing and treating breast cancer. She holds academic appointments as Attending Surgeon at Memorial Sloan Kettering Cancer Center and Associate Professor of Surgery at Cornell University Weill Medical College, New York NY, and is a surgical faculty member of the Memorial Sloan Kettering Cancer Center Residency Program. Dr. Heerdt performed approximately 640 procedures in 2017.

Dr. Heerdt is currently investigating the use of exercise to help control weight gain in women who are undergoing chemotherapy and to help prevent lymphedema in women, as well as the decision making for radiation therapy after breast-conserving surgery in women 70 years of age and older. Dr. Heerdt's training focus includes a special interest in teaching young physicians to develop their doctor-to-patient and doctor-to-family communications skills in a sensitive, productive, and compassionate manner.

Dr. Heerdt is an active member of local, national, and international societies, including the American College of Surgeons, the Society of Surgical Oncology, the American Society of Breast Surgeons, and the American Society of Clinical Oncology.



## Laurie J. Kirstein, MD, FACS

Attending, Breast Surgical Service  
Surgical Site Director, MSK Monmouth  
Memorial Sloan Kettering Cancer Center  
Associate Professor, Weill Cornell Medical College

**Education:** MD, State University of New York Health Science Center at Brooklyn

**Residency:** Albert Einstein College of Medicine, Montefiore Medical Center

**Fellowships:** Massachusetts General Hospital/Brigham and Women's Hospital



## Recent Highlights

### Grants

COMPOSIT, a QI project using an at-home carbon monoxide monitor in the perioperative setting and an intervention for tobacco cessation, \$100,000.

### Leadership

Vice-chair, Commission on Cancer  
Surgical Site Director, MSK Monmouth

### New Initiatives

Same-day mastectomy pathway at MSK Monmouth

**Laurie J. Kirstein, MD, FACS**, is a board-certified surgical oncologist whose clinical practice and research endeavors are devoted to treating women with breast cancer. She sees patients at our MSK Monmouth facility in Middletown, New Jersey.

Dr. Kirstein has particular expertise in oncoplastic procedures to ensure positive cosmetic outcomes, and has conducted research on how best to accomplish this. Dr. Kirstein's research interests focus on quality of life in breast cancer patients. She has led an exploratory/developmental grant (R21) from the National Institutes of Health to create a resource that informs women of their surgical options, provides them with medical facts, debunks myths, and offers women coping strategies with the goal of educating women about their diagnoses, and helping them understand treatment options and recommendations. By empowering women with this information, she hopes to help remove some of their fear of the unknown. Dr. Kirstein is also the principal investigator of a prospective, double-blind, randomized, placebo-controlled trial comparing the installation of bupivacaine versus saline into the wound after unilateral mastectomy without reconstruction.



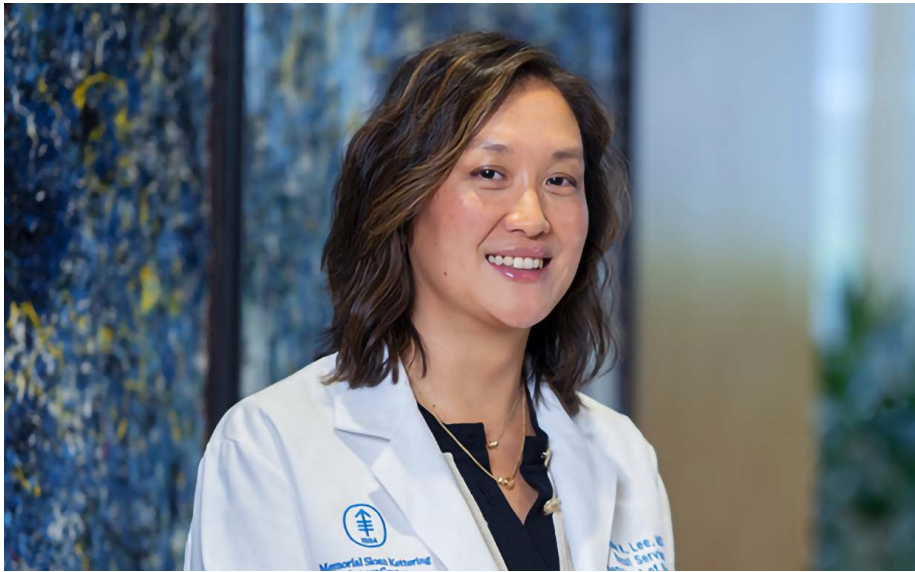
## Minna K. Lee, MD

Assistant Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Assistant Professor, Weill Cornell Medical College

**Education:** MD, Columbia University College of Physicians and Surgeons

**Residency:** David Geffen School of Medicine at the University of California, Los Angeles

**Fellowship:** Cedars-Sinai Medical Center



**Minna K. Lee, MD**, is a surgeon who specializes in caring for patients with breast cancer. She works closely with colleagues in medical oncology, radiation oncology, radiology, pathology, and plastic surgery to deliver exceptional care in a compassionate and caring environment. She became a breast surgical oncologist to provide the comprehensive long-term treatment and support needed for people with diseases of the breast. This sentiment is most pronounced in patients who are newly diagnosed with breast cancer.

She is also passionate about using laboratory-based research to improve our understanding of breast cancer biology. Her research focuses on how certain inherited gene mutations that increase a person's risk for breast cancer may also lead to resistance to standard treatments. Insight into these mechanisms of resistance can help us mitigate risk and define patient-specific treatment algorithms.

## Recent Highlights

### Grants

Society of MSK Research Award

MSK Genomic Instability in Breast  
SPORE Developmental Research  
Program Award

Department of Surgery Faculty Research  
Award

### Leadership instead of New Initiatives

MSK Inherited Breast Cancer Program

### Investigator-Initiated Trial

Protocol 23-311: Differential Changes in Ki67 between Carriers and Noncarriers of BRCA2 Mutations with Estrogen Receptor-Positive, Human Epidermal Growth Factor Receptor 2-Negative Breast Cancer Treated with Preoperative Endocrine Therapy.

### Publications

Lee MK, Montagna G, Pilewskie ML, Sevilimedu V, Morrow M. Axillary staging is not justified in postmenopausal clinically node-negative women based on nodal disease burden. *Ann Surg Oncol* 2023;30(1):92-97.

Myers SP, Tadros AB, Sevilimedu V, Nelson JA, Le T, Gacia P, Morrow M, Lee MK. Satisfaction and well-being after contralateral prophylactic mastectomy among BRCA mutation carriers and noncarriers: a longitudinal analysis of BREAST-Q domains. *Ann Surg Oncol* 2023;30(12):7116-7123.

Lee MK, Robson ME. Contralateral breast cancer risk with radiation therapy in BRCA mutation carriers: what do we tell patients? *J Natl Cancer Inst* 2023;115(11):1243-1245.

Myers SP, Sevilimedu V, Barrio AV, Tadros AB, Mamtani A, Robson ME, Morrow M, Lee MK. Mutational status is associated with a higher rate of pathological complete response after neoadjuvant chemotherapy in hormone receptor-positive breast cancer. *Ann Surg Oncol* 2023;30(13):8412-8418.

Myers SP, Bayard S, Tadros AB, Sevilimedu V, Matros E, Nelson JE, Le T, Garcia P, Morrow M, Lee MK. Examining race and patient-reported outcomes after contralateral prophylactic mastectomy with reconstruction. *Ann Surg Oncol* 2023;31(2):966-973.



## Anita Mamtani, MD

Assistant Attending Physician, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Assistant Professor, Weill Cornell Medical College

**Education:** MD, Jefferson Medical College

**Residency:** Beth Israel Deaconess Medical Center, Harvard Medical School

**Fellowship:** Memorial Sloan Kettering Cancer Center



**Anita Mamtani, MD**, is a breast surgeon who sees patients at our MSK Bergen location in New Jersey.

Her clinical research focus is on the tailoring of axillary surgery and optimizing breast cancer therapies in less common disease subtypes such as lobular breast cancer. She is the principal investigator of an ongoing trial to evaluate the feasibility of selective use of axillary dissection in clinical node positive patients (N1) with HR+/HER2-negative breast cancer undergoing upfront surgery with planned adjuvant radiation.

### Recent Highlights

#### Investigator initiated trial

Protocol 21-183 Selective Use of ALND in cN1 HR+/HER2- Breast Cancer Patients with 1 or 2 Positive Sentinel Lymph Nodes Undergoing Upfront Breast Surgery and Adjuvant Radiation: A Prospective Study

#### Leadership

SSO Women in Surgery Committee  
– Term 2024-2026

#### Publications

Mamtani A, Sevilimedu V, Le T, Morrow M, Barrio AV. Is local recurrence higher among patients who downstage to breast conservation after neoadjuvant chemotherapy? *Cancer*. 2022 Feb 1;128(3):471-478.

Mamtani A, Sevilimedu V, Vincent A, Morrow M. Local Recurrence is Frequent After Heroic Mastectomy for Classically Inoperable Breast Cancers. *Ann Surg Oncol*. 2022 Feb;29(2):1043-1048.





## Debra A. Mangino, DO

Associate Attending Physician, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center

**Education:** DO, New York College of Osteopathic Medicine

**Residency:** North Shore University Hospital

**Fellowship:** Memorial Sloan Kettering Cancer Center



**Debra A. Mangino, DO**, is a board-certified internist with a clinical practice dedicated to the prevention and early detection of breast cancer. As clinical director of Memorial Sloan Kettering's RISE (Risk assessment, Imaging, Surveillance and Education) Program, Dr. Mangino cares for thousands of women at increased risk for breast cancer due to such factors as genetic predisposition and family history of the disease, and biopsy results showing atypical cells.

*"Through RISE, I help women make decisions regarding breast cancer screening, strategies for reducing their risk of cancer, and how to maintain their overall health. Ultimately, I hope to improve the overall well-being of my patients by helping to reduce their anxiety about breast cancer."*



## Giacomo Montagna, MD, MPH

Assistant Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Assistant Professor, Weill Cornell Medical College

**Education:** MD, University of Lausanne

**Residency:** Ente Ospedaliero Cantonale/University Hospital of Basel

**Fellowship:** Memorial Sloan Kettering Cancer Center



**Giacomor Montagana, MD, MPH** is a breast surgical oncologist with specific training in oncoplastic breast surgery, and performs all types of axillary and oncoplastic surgeries, including nipple-sparing mastectomies and oncoplastic lumpectomies. He strives to help all his patients to achieve the best aesthetic result and quality of life after cancer care. His research focuses on de-escalation of axillary surgery, particularly after neoadjuvant chemotherapy, to reduce lymphedema risk, and on the treatment of rare breast tumors, such as metaplastic breast cancer. He sees patients at Memorial Sloan Kettering Cancer Center's Evelyn H. Lauder Center in New York City and at MSK Bergen.

## Recent Highlights

### Grants

Society of Surgical Oncology

\$100,000 Brooks Brothers Foundation

### Leadership

Member of the Breast Disease Site Work Group

Rare Breast Cancer Program,  
Co-Director

### Publications

Montagna G, Mrdutt MM, Sun XS, Diego EJ, Wong SM, Barrio AV, Botty van den Bruele A, Cabioglu N, Sevillamedu V, Rosenberger LH, Hwang S, Ingham A, Papassotiropoulos B, Nguyen-Sträuli BD, Kurzeder C, Díaz Aybar D, Vorburger D, Matlac DM, Ostapenko E, Riedel F, Fitzal F, Meani F, Fick F, Sagasser J, Heil J, Karanlik H, Dedes KJ, Romics L, Banys-Paluchowski M, Muslumanoglu M, Del Rosario Cueva Perez M, Chávez Díaz M, Heidinger M, Fehr MK, Reinisch M, Tukenmez M, Maggi N, Rocco N, Ditsch N, Gentilini OD, Paulinelli RR, Solé Zarhi S, Kuemmel S, Bruzas S, Di Lascio S, Parissenti TK, Hoskin T, Güth U, Ovale V, Tausch C, Kuerer HM, Caudle AS, Boileau JF, Boughey JC, Kühn T, Morrow M, Weber WP. Omission of Axillary Dissection Following Nodal Downstaging with Neoadjuvant Chemotherapy. *JAMA Oncol.* 2024 (accepted)



## Tracy-Ann Moo, MD, FACS

Associate Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Associate Professor of Surgery, Weill Cornell Medical College

**Education:** MD, Stony Brook University School of Medicine

**Residency:** New York Presbyterian Hospital/Weill Cornell Medical College

**Fellowship:** Memorial Sloan Kettering Cancer Center



**Tracy-Ann Moo, MD, FACS**, is a surgical oncologist who specializes in caring for women with breast cancer. She has particular expertise in performing nipple-sparing mastectomies for women with breast cancer and those who are at a high risk of developing the disease. She sees patients at the Memorial Sloan Kettering (MSK) Nassau facility on Long Island, NY.

Dr. Moo's clinical research focus is on local therapy issues in patients receiving neoadjuvant chemotherapy, and on local control after breast cancer surgery.

## Recent Highlights

### Leadership

Member, Quality Committee, Society of Surgical Oncology

MSK Joint Committee on Provision of Care Task Force

Member, MSK Institutional Review Board

### Publications

Pak LM, Pawloski KR, Sevilimedu V, Kalvin HL, Le T, Tokita HK, Tadros A, Morrow M, Van Zee KJ, Kirstein LJ, Moo TA. How Much Pain Will I Have After Surgery? A Preoperative Nomogram to Predict Acute Pain Following Mastectomy. *Ann Surg Oncol*. 2022 Oct;29(11):6706-6713.

Pawloski KR, Sevilimedu V, Twersky R, Tadros AB, Kirstein LJ, Cody HS 3rd, Morrow M, Moo TA. Association Between Local Anesthetic Dosing, Postoperative Opioid Requirement, and Pain Scores After Lumpectomy and Sentinel Lymph Node Biopsy with Multimodal Analgesia. *Ann Surg Oncol*. 2022 Mar;29(3):1737-1745

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## Monica Morrow, MD, FACS

Chief, Breast Surgical Service  
Anne Burnett Windfohr Chair of Clinical Oncology  
Memorial Sloan Kettering Cancer Center  
Professor of Surgery, Weill Cornell Medical College

**Education:** MD, Jefferson Medical College

**Residency:** Medical Center Hospital of Vermont

**Fellowship:** Memorial Sloan Kettering Cancer Center



## Recent Highlights

### Awards

Honorary Fellow, Royal College of Surgeons of Ireland

Honorary Fellow, Royal College of Physicians and Surgeons of Glasgow

Susan G. Komen Brinker Award for Scientific Distinction in Clinical Research

John Wayne Clinical Research Award, Society of Surgical Oncology

St. Gallen International Breast Conference Award

Gianni Bonadonna Breast Cancer Award, American Society of Clinical Oncology

**Monica Morrow, MD, FACS**, is a surgical oncologist with a practice dedicated to the treatment of breast cancer. Her research has focused on how to apply the advances from clinical trials to daily surgical practice. She co-chaired the joint committee of the American College of Surgeons, American College of Radiology, and College of American Pathologists on Standards for Breast-Conserving Therapy for Invasive Breast Cancer and for Ductal Carcinoma In Situ (DCIS) in 2002 and 2007. In 2013 and 2015 Dr. Morrow co-chaired national committees to develop standards for margins in invasive breast cancer and DCIS, which have reduced the number of women requiring more than one lumpectomy. Dr. Morrow has studied the impact of multiple surgeries to obtain clear margins, documented a decrease in the mastectomy rate with adoption of new margin guidelines, and identified surgeon factors associated with performance of axillary dissection. Previous studies have examined patient and surgeon decision making in local therapy, including conflict in decision making and the role of second opinions. Her current research interests involve leveraging the benefits of multidisciplinary therapy to reduce the burden of treatment for patients. Her work has demonstrated an 85% decrease in the use of axillary dissection in patients with node-positive breast cancer undergoing breast conservation when the findings of ACOSOG Z0011 were uniformly applied. She is currently examining issues in local therapy after neoadjuvant chemotherapy and endocrine therapy.

Dr. Morrow has authored more than 500 original articles of peer-reviewed research. In 2012–2013 she was president of the Society of Surgical Oncology. She has been recognized by the American Society of Clinical Oncology with the Gianni Bonadonna Breast Cancer Award, and she was the 2016 recipient of the Susan G. Komen Brinker Award for Scientific Distinction in Clinical Research. In 2019 she received the St. Gallen International Breast Cancer Award and the John Wayne Clinical Research Award from the Society of Surgical Oncology. She is an honorary fellow of the Royal College of Surgeons of Ireland and the Royal College of Physicians and Surgeons of Glasgow.





## George Plitas, MD, FACS

Associate Attending, Breast Surgical Service  
Director, Breast Research Program  
Memorial Sloan Kettering Cancer Center  
Associate Professor, Weill Cornell Medical College

**Education:** MD, New York University School of Medicine

**Residency:** New York University Medical Center

**Fellowship:** Memorial Sloan Kettering Cancer Center



**George Plitas, MD**, is a surgical oncologist who specializes in the treatment of patients with breast cancer.

Dr. Plitas is also actively engaged in research involving how the immune system can be used to fight breast cancer. He became interested in immune responses during a three-year research fellowship at Memorial Sloan Kettering Cancer Center where he studied the immune system in the setting of inflammation and infection. During this time, significant advances were made in the understanding of the immune response to cancer. It became increasingly clear that there were many new possibilities to improve the outcome of cancer treatment. These exciting opportunities drove his decision to study immunology in the context of cancer research.

Following a two-year Surgical Oncology Fellowship at Memorial Sloan Kettering Cancer Center, Dr. Plitas joined the surgical faculty of the Breast Service. Working in collaboration with Dr. Alexander Rudensky, chair of the Sloan Kettering Institute's Immunology Program, he conducts research focused on understanding how breast cancers decrease potentially beneficial anti-tumor immune responses.

## Recent Highlights

### Leadership

Director of Research, Breast Service, Department of Surgery, Memorial Sloan Kettering Cancer Center

Co-Director Pathology Core, Breast SPORE, Memorial Sloan Kettering Cancer Center

### Publications

He S, Jin Y, Nazaret A, Shi L, Chen X, Rampersaud S, Bahawar S, Valdez I, Friend LE, Fan JL, Park CY, Mintz R, Lao YH, Carrera D, Fang KW, Mehdi K, Rohde M, McFaline-Figueroa JL, Blei D, Leong KW, Rudensky AY, Plitas G (Co-Corresponding Author), Azizi E. Starfysz reveals heterogeneous spatial dynamics in the breast tumor microenvironment. *bioRxiv*, 2022.2011.2021.517420 (2022). Manuscript accepted for publication in *Nature Biotechnology*.

Azizi E, Carr AJ, Plitas G (Co-First Author), Cornish AE, Konopacki C, Prabhakaran S, Nainys J, Wu K, Kiseliovas V, Setty M, Choi K, Fromme RM, Dao P, McKenney PT, Wasti RC, Kadaveru K, Mazutis L, Rudensky AY, Pe'er D. Single-cell map of diverse immune phenotypes in the breast tumor microenvironment. *Cell* 2018;174(5):1293-1308.e36s.

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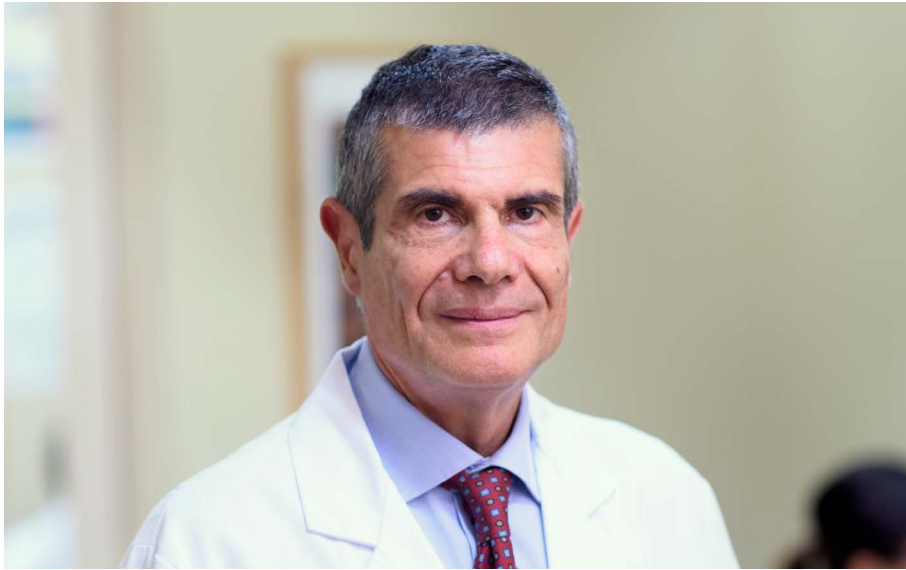
## Virgilio S. Sacchini, MD

Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Professor of Surgery, Weill Cornell Medical College

**Education:** MD, University of Milan Medical School

**Residency:** National Cancer Institute of Milan

**Fellowship:** National Cancer Institute of Milan



**Virgilio S. Sacchini, MD**, is a surgeon who specializes in the treatment of breast cancer. For the past 15 years, he has been a co-investigator on clinical trials in Milan, Italy to evaluate conservative surgery and sentinel-node mapping in breast cancer. In Italy, Dr. Sacchini has served as deputy director of the Breast Department at the European Institute of Oncology, a leading institution for the study and treatment of breast cancer. Dr. Sacchini was also a clinical coordinator of the Italian Breast Cancer Chemoprevention Study of Tamoxifen and a clinical investigator on breast cancer trials for the European Organisation for Research and Treatment of Cancer (EORTC).

At Memorial Sloan Kettering Cancer Center, Dr. Sacchini is an active clinical researcher for several studies, including those focusing on the surgical management of patients at high risk for breast cancer. He was a pioneer and is an expert in the technique of nipple-sparing mastectomy, a type of mastectomy that provides excellent cosmetic results. Dr. Sacchini also specializes in oncoplastic surgery, which combines breast cancer surgery and cosmetic surgery with the goal of optimizing final cosmetic outcomes in patients who undergo lumpectomies or mastectomies.

## Recent Highlights

### Publications

Gentilini OD, Botteri E, Sangalli C, Galimberti V, Porpiglia M, Agresti R, Luini A, Viale G, Cassano E, Peradze N, Toesca A, Massari G, Sacchini V, Munzone E, Leonardi MC, Cattadori F, Di Micco R, Esposito E, Sgarella A, Cattaneo S, Busani M, Dessena M, Bianchi A, Cretella E, Ripoll Orts F, Mueller M, Tinterri C, Chahuan Manzur BJ, Benedetto C, Veronesi P; SOUND Trial Group. Sentinel Lymph Node Biopsy vs No Axillary Surgery in Patients With Small Breast Cancer and Negative Results on Ultrasonography of Axillary Lymph Nodes: The SOUND Randomized Clinical Trial. *JAMA Oncol.* 2023 Nov 1;9(11):1557-1564.

Moo TA, Nelson JA, Sevilimedu V, Charyn J, Le TV, Allen RJ, Mehrara BJ, Barrio AV, Capko DM, Pilewskie M, Heerdt AS, Tadros AB, Gemignani ML, Morrow M, Sacchini V. Strategies to avoid mastectomy skinflap necrosis during nipple-sparing mastectomy. *Br J Surg.* 2023 Jun 12;110(7):831-838.

van den Broue AB, Sevilimedu V, Jochelson M, Formenti S, Norton L, Sacchini V. Mobile mammography in New York City: analysis of 32,350 women utilizing a screening mammogram program. *NPJ Breast Cancer.* 2022 Jan 21;8(1):14.

Toesca A, Sangalli C, Maisonneuve P, Massari G, Girardi A, Baker JL, Lissidini G, Invento A, Farante G, Corso G, Rietjens M, Peradze N, Gottardi A, Magnoni F, Bottiglieri L, Lazzeroni M, Montagna E, Labo P, Orecchia R, Galimberti V, Intra M, Sacchini V, Veronesi P. A Randomized Trial of Robotic Mastectomy Versus Open Surgery in Women With Breast Cancer or BrCA Mutation. *Ann Surg.* 2022 Jul 1;276(1):11-19.



## Lisa M. Sclafani, MD, FACS

Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Director of Surgery, Long Island Regional Network  
Memorial Sloan Kettering Cancer Center  
Professor of Surgery, Weill Cornell Medical College

**Education:** MD, New York University School of Medicine

**Residency:** Albert Einstein College of Medicine, Montefiore Medical Center

**Fellowship:** Memorial Sloan Kettering Cancer Center



**Lisa M. Sclafani, MD, FACS**, is a surgical oncologist who specializes in the treatment of breast cancer and has devoted her practice to breast cancer surgery since completing her residency at the Albert Einstein College of Medicine, Montefiore Medical Center, and her fellowship in Surgical Oncology at Memorial Sloan Kettering Cancer Center (MSK). She has worked for 9 years in the private sector as well as at MSK for the last 19 years. Currently, she serves as Director of Surgery of the Long Island Regional Care Network (RCN) and has been instrumental to its rapid growth and expansion to triple its capacity. Her role is to help in strategic planning for the RCN and facilitate surgeons' practices, ensuring support for clinical care and research. Dr. Sclafani was chair of the Monmouth OR committee, which oversaw the opening of the first outpatient surgery center in the RCN.

Dr. Sclafani's research interests focus on the psychosocial aspects of breast cancer, the genetics of breast cancer, incorporating new research into clinical practice, and multidisciplinary care. She also has extensive experience in aspects of patient quality improvement, such as reducing length of stay, and standardizing order sets and clinical care in breast surgery. She is active in the education of the fellows in the operating room, runs the monthly Fellows' Journal Club, and participates in a wide variety of teaching conferences.



## Audree B. Tadros, MD, MPH

Jeanne Petrek Junior Faculty Chair  
Assistant Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Assistant Professor, Weill Cornell Medical College

**Education:** MD, University of Texas Southwestern School of Medicine;  
MPH, Icahn School of Public Health at Mount Sinai

**Residency:** Icahn School of Medicine at Mount Sinai

**Fellowship:** University of Texas MD Anderson Cancer Center



**Audree B. Tadros, MD, MPH**, received her medical degree from the University of Texas Southwestern School of Medicine, completed her general surgical residency at the Icahn School of Medicine at Mount Sinai, and finished her training with a breast surgical oncology fellowship at the University of Texas MD Anderson Cancer Center.

Dr. Tadros's research efforts focus on the examination of treatment responses in patients with triple negative breast cancer and HER2 positive disease who received chemotherapy prior to surgery, and on the reduction in local recurrence rates among inflammatory breast cancer patients who are treated with chemotherapy, surgery, and radiation therapy.

## Recent Highlights

### Grants

MSK Interdisciplinary Population Science Research Award

### Leadership

Jeanne Petrek Junior Faculty Chair

Michael Zinner Fellow 2022-2023, Surgical Outcomes Club

Inflammatory Breast Cancer Multi-Disciplinary Team Co-Director, Memorial Sloan Kettering Cancer Center

Member, CME Committee, Society of Surgical Oncology

ASBRS Selected Readings Committee

MSK Surgery Protocol Review Committee, Memorial Sloan Kettering Cancer Center

### Investigator-Initiated Trials

Protocol #22-136 (Feasibility of Preoperative Radiotherapy in T4 Breast Cancer to Allow for Immediate Reconstruction: a Prospective Study)

### Publications

Beck AC, Bayard S, Plitas G, Sevilimedu V, Kuba MG, Garcia P, Morrow M, Tadros AB. Does Non-Classic Lobular Carcinoma In Situ at the Lumpectomy Margin Increase Local Recurrence? *Ann Surg Oncol.* 2023 Oct;30(10):6061-6069.

Pawloski KR, Srour MK, Moo TA, Sevilimedu V, Nelson JA, Garcia P, Kirstein LJ, Morrow M, Tadros AB. Timing of Chemotherapy and Patient-Reported Outcomes After Breast-Conserving Surgery and Mastectomy with Immediate Reconstruction. *Ann Surg Oncol.* 2023 May;30(5):2897-2909.

Palmquist E, Limberg J, Chu JJ, White C, Baser RE, Sevilimedu V, Pawloski KR, Garcia P, Nelson JA, Moo TA, Morrow M, Tadros AB. Patient-Reported Outcome Measures for Patients Who Have Clinical T4 Breast Cancer Treated via Mastectomy with and Without Reconstruction. *Ann Surg Oncol.* 2023 Jan;30(1):115-121





## Kimberly J. Van Zee, MD, MS, FACS

Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Professor of Surgery, Weill Cornell Medical College

**Education:** MD, Harvard Medical School

**Residency:** Weill Cornell Medical College

**Fellowship:** Weill Cornell Medical College



After obtaining her master's degree in Statistics, graduating from Harvard Medical School, and completing a surgical residency and research fellowship at Weill Cornell Medical College, **Kimberly J. Van Zee, MS, MD, FACS**, joined the Breast Service of Memorial Sloan Kettering Cancer Center, where she is an Attending Surgeon and Professor of Surgery at Weill Medical College of Cornell University.

Dr. Van Zee has authored over 230 publications and has lectured extensively. She has worked with dozens of fellows, guiding them through the research project process, helping them acquire and analyze data, and assisting with their oral research presentations and manuscript writing.

Using her background in mathematics, Dr. Van Zee developed the first nomogram to be widely used in the breast cancer field—one that estimates the risk of additional disease in the axilla for a woman with a positive sentinel node biopsy. This nomogram has now been widely validated in dozens of institutions around the world. Dr. Van Zee has also created a nomogram, which has been externally validated, to estimate the risk of having a positive sentinel lymph node in a woman with breast cancer.

A special interest of hers is ductal carcinoma in situ (DCIS). Decades ago, she created a database for women with DCIS treated with breast-conserving surgery. Over 3,000 women have been accrued and followed, and from this resource, she has published widely on the influence of various factors on the risk of recurrence, such as age, time period of treatment, and both volume of disease near the margin and margin width. Combining 10 clinicopathologic factors, she developed a nomogram that estimates the 5- and 10-year risk of recurrence of DCIS. It has been shown to be predictive in at least five independent patient populations to date, and performs better than an expensive commercially available genomic assay. She has worked with breast fellows to create detailed analyses on the relationship of age, margin width, time period of treatment, minimal volume of disease, and delays in radiation to risk of recurrence of DCIS. In one of the largest studies of its kind, she examined outcomes among women with a “borderline” diagnosis such as “markedly atypical ductal hyperplasia bordering on DCIS”.

Dr. Van Zee has been a member and chair of the Society of Surgical Oncology Breast Disease Site Working Group, and serves on the Publications Committee of the American Society of Breast Surgeons. She also was a member of the Consensus Committee of the Society of Surgical Oncology, American Society of Radiation Oncology, and American Society of Clinical Oncology, which created guidelines for margin width for women with DCIS treated with breast-conserving surgery and whole breast radiation.

## EDUCATION

**The Breast Service Fellowship Program at Memorial Sloan Kettering Cancer Center (MSK) is considered one of the top programs of its kind in the country.** We attract intelligent, compassionate, and dedicated applicants of the highest caliber. We have a full 5-year approval from the Society of Surgical Oncology (SSO), and our program is a benchmark for others of its type seeking SSO approval.

Our program is structured to ensure that our fellows receive an ideal balance of surgery, clinical care, didactics, and research. Eight of the fellowship months are spent delivering preoperative, intraoperative, and postoperative care. During these rotations, 20% of our fellows' time is spent in the outpatient office setting, diagnosing and treating a wide range of benign and malignant breast conditions. The remaining 80% of our fellows' time is spent in the operating room, where they operate and are taught by renowned surgeons, with the goal of perfecting their surgical and patient care techniques.

MSK's surgical volume is unequalled worldwide. Working closely with the 18 full-time dedicated surgeons of the Breast Service faculty, our fellows learn multiple strategies for problem solving and gain significant experience with uncommon breast problems, which are often seen in our referral practice. Over the past 4 years, the average number of procedures (lumpectomy, mastectomy, sentinel node biopsy, axillary node dissection) performed by each of our fellows, per year, has been more than 520.

Four months are spent on outpatient rotations that complement the surgical training of our fellows, who staff surgical outpatient practices, our high-risk program, and medical oncology, radiation oncology, breast imaging, pathology, and plastic surgery office hours. During these outpatient rotations, fellows are expected to assess patients and discuss treatment options with their attending physicians. This approach provides our fellows with a deep knowledge base in the non-surgical disciplines that is critical to the delivery of modern multidisciplinary breast care. We also require our fellows to gain experience in ultrasound examinations and image-guided biopsies.

In tandem with their medical training, a portion of our fellows' time is dedicated to research. A list of potential research projects is provided to our fellows after they are accepted into the program, and they are encouraged to develop their own research questions. A monthly



research meeting provides a supportive venue for fellows to refine their projects, present their results prior to national presentations, and gain crucial feedback from the entire faculty.

The success of this strategy is clear, given the annual productivity of our fellows, who give oral and poster presentations at the American Society of Clinical Oncology Annual Meeting, the American Society of Breast Surgeons Annual Meeting, the San Antonio Breast Cancer Symposium, and the Society of Surgical Oncology Annual Cancer Symposium, and publish their research in peer-reviewed journals.

MSK provides a formal didactic teaching program for fellows, who present cases at a monthly Multidisciplinary Breast Conference and prepare reviews of key literature for discussion. A small group Surgical Case Management Series is facilitated by an attending surgeon, and fellows lead detailed discussions of particular cases in an informal setting. A weekly Lecture Series featuring experts in various areas of breast cancer management provides a formal curriculum addressing cutting-edge breast cancer care across disciplines. Moreover, fellows meet monthly for Journal Club with 2 senior surgeons to review significant published research. Once per year, fellows take part in the Society of Surgical Oncology Fellows Institute, and they obtain additional practical experience in ultrasonography and image-guided biopsies. Fellows also undergo COMSKIL training, which fosters sensitive and effective communication with patients and families, especially in difficult care situations. Finally, our fellows complete the MSK Core Curriculum Course, which introduces key topics in clinical research, such as retrospective and prospective research methodology, biostatistics, and clinical trial design and enrollment. Fellows also participate in 2 community outreach events each year, bringing their knowledge to at-risk and vulnerable populations.

As the world's oldest and largest private cancer center, Memorial Sloan Kettering Cancer Center (MSK) has devoted more than a century to patient care and innovative research. At the MSK Evelyn H. Lauder Breast and Imaging Center, our new facility dedicated to the treatment of breast cancer, we received 4,823 new breast cancer visits in 2020. In the field of breast surgery alone at MSK, Breast fellows have performed 4,741 total procedures over the past 2 years. On average, each fellow performed 529 procedures during the 2022-2023 fellowship year.

Moreover, our research infrastructure provides crucial support for our fellows. Our database includes over 57,000 breast cancer cases, and we have a database manager and a team of 11 research managers and staff to assist our fellows in conducting their research.

In 2022–2023, our fellows gave 12 oral and poster presentations at major oncology conferences, and authored 5 original research articles published in peer-reviewed journals.

Finally, our faculty, consisting of 18 full-time academic clinicians who specialize in caring for breast cancer patients, are leaders in the field who have conducted transformational research and developed new standards of care. Ongoing interaction with these mentors provides our fellows with a degree of academic rigor that makes them highly sought after upon graduation for faculty positions across the United States and around the world.

### The defined goals and objectives of the Breast Service Fellowship Program include:

1. Learning how to screen, diagnose, and treat benign and malignant breast disease
2. Learning all operative techniques for the treatment of breast cancer
3. Mastering techniques for all types of mastectomy, including nipple-sparing mastectomy
4. Performing all types of lumpectomy, including seed localization
5. Gaining a foundational understanding of oncologic techniques and breast reconstruction techniques
6. Learning how to perform sentinel node biopsy and axillary node dissection
7. Gaining exposure to all breast modalities, including ultrasound
8. Managing all aspects of preoperative and postoperative patient care
9. Learning how to identify lymphedema
10. Learning the basic principles of cancer biology, genetics, biostatistics, and epidemiology
11. Learning how to integrate an evidence-based approach to patient care
12. Understanding the multidisciplinary delivery of breast cancer care
13. Learning how to formulate a research hypothesis, collect and analyze data, and write a scientific paper
14. Learning how to present at scientific meetings
15. Gaining exposure to medical oncology, radiation oncology, plastic surgery, pathology, and radiology
16. Learning how to work effectively as a member or leader of a health care team
17. Advocating for quality patient care and optimal patient care systems

## Operative Experience

The surgical experience at MSK is unparalleled. Fellows participate as surgeons or first assistants in the majority of the procedures. This case load is large enough to accommodate and train each fellow in a senior capacity. Breast Surgery nurse practitioners and physician assistants work full time on the service and assist in the operating room, with inpatient perioperative care, and in the outpatient clinic.

The following table summarizes the average number of cases performed by fellows in each fellowship year:

Fellowship Year	BCS	Mastectomy	Chest Wall Excision	Modified Radical Mastectomy	SLNBx	ALND	Total
2018-2019	269	334	5	7	218	39	871
2019-2020	186	102	2	18	164	33	506
2020-2021	228	117	2	8	194	22	548
2021-2022	228	117	2	8	194	22	548
2022-2023	206	107	7	4	166	20	510
<b>Total</b>	1117	777	18	45	936	136	2983
<b>Average</b>	223	155	4	9	187	27	597

## Rotation Schedule

Each fellow spends eight months on inpatient rotations. There are four surgical teams, with each team consisting of three attending surgeons together with one fellow. Four days/week are spent in the operating room, and the fellow operates with each member of the team. The additional day of the week is spent in the outpatient setting with a team attending.

Each fellow spends four months on outpatient rotations.

## Ambulatory Experience

<b>Outpatient A:</b>	Medical Oncology 2 weeks / Plastic Surgery 1 week / Vacation 1 week
<b>Outpatient B:</b>	Radiation Oncology 1 week / Radiology 2 weeks / RISE and Genetics 1 week
<b>Outpatient C:</b>	Pathology 1 week / Surgical Outpatient Clinics 2 weeks / Vacation 1 week
<b>Outpatient D:</b>	Research 2 weeks / Psycho-Oncology and Rehabilitation Medicine 2 weeks



The outpatient rotations are divided into four months of outpatient core curriculum rotations:

1. Multidisciplinary Breast Conference: a weekly conference attended by DMT members. Fellows present and prepare cases for discussion
2. Surgical Case Management Series: one attending surgeon and the fellows discuss cases and case management
3. Didactic lecture series: a weekly lecture series on core curriculum topics in breast surgery
4. Journal Club: a monthly meeting emphasizing critical review of the latest literature
5. Department of Surgery Grand Rounds: a weekly departmental meeting focusing on surgical oncology topics
6. Society of Surgical Oncology Fellows Institute (November)
7. COMSKIL Training: an annual symposium emphasizing culturally appropriate styles of communication to use in dealing with families and patients. Interview and patient interaction skills are taught.
8. MSK Core Curriculum Courses: courses focusing on research methodology, biostatistics, clinical trial development, and patient enrollment
9. Breast Surgery Research Conference: a monthly meeting in which fellows are responsible for discussing proposed research and upcoming presentations at national meetings

### **International Breast Surgical Oncology Fellowship Position**

In 2016 we introduced our first International Fellow position. The goal of this position is to train future international leaders who desire to advance breast cancer surgery care delivery and research worldwide.

The current program is a one-year position offered to fully trained residents who have completed residency training overseas and plan to return to their home country with advanced skills and surgical expertise. The International Fellow is integrated

into our program, and has the same experience both in the inpatient and outpatient rotations as our Society of Surgical Oncology fellows. Emphasis is placed on surgical training as well as research. As one of the largest fellowship programs, there is clearly the opportunity for camaraderie and ongoing collaborative professional relationships with co-fellows as well as faculty. We expect this program to successfully advance the field of breast surgery on an international level.

## FELLOWSHIP PUBLICATIONS 2019-2024

- Christian N**, Gemignani ML. Issues with Fertility in Young Women with Breast Cancer. *Curr Oncol Rep* 2019;21(7):58.
- Christian N**, Zabor EC, Cassidy M, Flynn J, Morrow M, Gemignani ML. Contralateral Prophylactic Mastectomy Use After Neoadjuvant Chemotherapy. *Ann Surg Oncol* 2020;27(3):743-9.
- Mallory MA, Valero MG**, Hu J, Barry WT, Losk K, Nimbkar S, Golshan M. Bilateral mastectomy operations and the role for the cosurgeon technique: A Nationwide analysis of surgical practice patterns. *Breast J* 2020;26(2):220-6.
- Mamtani A**, Barrio AV, Goldman DA, Wen HY, Vincent A, Morrow M. Extranodal Tumor Deposits in the Axillary Fat Indicate the Need for Axillary Dissection Among T1-T2cN0 Patients with Positive Sentinel Nodes. *Ann Surg Oncol* 2020;27(10):3585-92.
- Mamtani A**, Van Zee KJ. Treatment of Ductal Carcinoma in Situ: Considerations for Tailoring Therapy in the Contemporary Era. *Curr Breast Cancer Rep* 2020;12(2):98-106.
- Minami CA**, Zabor EC, Gilbert E, Newman A, Park A, Jochelson MS, King TA, Pilewskie ML. Do Body Mass Index and Breast Density Impact Cancer Risk Among Women with Lobular Carcinoma In Situ? *Ann Surg Oncol* 2020;27(6):1844-51.
- Montagna G, Mamtani A**, Knezevic A, Brogi E, Barrio AV, Morrow M. Selecting Node-Positive Patients for Axillary Downstaging with Neoadjuvant Chemotherapy. *Ann Surg Oncol* 2020;27(11):4515-22.
- Montagna G**, Morrow M. Contralateral prophylactic mastectomy in breast cancer: what to discuss with patients. *Expert Rev Anticancer Ther* 2020;20(3):159-66.
- Montagna G**, Sevilimedu V, Fornier M, Jhaveri K, Morrow M, Pilewskie ML. How Effective is Neoadjuvant Endocrine Therapy (NET) in Downstaging the Axilla and Achieving Breast-Conserving Surgery? *Ann Surg Oncol* 2020;27(12):4702-10.
- Pawloski KR, **Christian N**, Knezevic A, Wen HY, Van Zee KJ, Morrow M, Tadros AB. Atypical ductal hyperplasia bordering on DCIS on core biopsy is associated with higher risk of upgrade than conventional atypical ductal hyperplasia. *Breast Cancer Res Treat* 2020;184(3):873-80.
- Valero MG**, Muhsen S, Moo TA, Zabor EC, Stempel M, Pusic A, Gemignani ML, Morrow M, Sacchini VS. Increase in Utilization of Nipple-Sparing Mastectomy for Breast Cancer: Indications, Complications, and Oncologic Outcomes. *Ann Surg Oncol* 2020;27(2):344-51.
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- Barrio AV, **Montagna G**, Mamtani A, Sevilimedu V, Edelweiss M, Capko D, Cody HS, 3rd, El-Tamer M, Gemignani ML, Heerdt A, Kirstein L, Moo TA, Pilewskie M, Plitas G, Sacchini V, Sclafani L, Tadros A, Van Zee KJ, Morrow M. Nodal Recurrence in Patients With Node-Positive Breast Cancer Treated With Sentinel Node Biopsy Alone After Neoadjuvant Chemotherapy-A Rare Event. *JAMA Oncol* 2021;7(12):1851-5.
- Berger ER**, Iyengar NM. Obesity and Energy Balance Considerations in Triple-Negative Breast Cancer. *Cancer J* 2021;27(1):17-24.
- Crown A**, Gonen M, Le T, Morrow M. Does Failure to Achieve Pathologic Complete Response with Neoadjuvant Chemotherapy Identify Node-Negative Patients Who Would Benefit from Postmastectomy Radiation or Regional Nodal Irradiation? *Ann Surg Oncol* 2021;28(3):1328-35.
- Crown A**, Sevilimedu V, Morrow M. Palpable Adenopathy Does Not Indicate High-Volume Axillary Nodal Disease in Hormone Receptor-Positive Breast Cancer. *Ann Surg Oncol* 2021;28(11):6060-8.
- Mamtani A**, Romanoff A, Baser R, Vincent A, Morrow M, Gemignani ML. Adoption of SSO-ASTRO Margin Guidelines for Ductal Carcinoma in Situ: What Is the Impact on Use of Additional Surgery? *Ann Surg Oncol* 2021;28(1):295-302.
- Montagna G**, Gupta HV, Hannum M, Tan KS, Lee J, Scarpa JR, Plitas G, Irie T, McCormick PJ, Fischer GW, Morrow M, Mincer JS. Intraoperative opioids are associated with improved recurrence-free survival in triple-negative breast cancer. *Br J Anaesth* 2021;126(2):367-76.
- Montagna G**, Morrow M. Breast-conserving Surgery Without Radiation Therapy for Invasive Cancer. *Clin Breast Cancer* 2021;21(2):112-9.
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47. **Pak LM**, Matar-Ujvary R, **Verdial FC**, Haglich KA, Sevilimedu V, Nelson JA, Gemignani ML. Long-Term Patient-Reported Outcomes Comparing Oncoplastic Breast Surgery and Conventional Breast-Conserving Surgery: A Propensity Score-Matched Analysis. *Ann Surg Oncol* 2023;30(12):7091-8.
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52. **Palmquist E**, Sevilimedu V, Garcia P, Le T, Zhang X, Pinker-Domenig K, Hanna MG, Nelson JA, Morrow M, El-Tamer M. Patient-Reported Outcomes in Patients Undergoing Lumpectomy With and Without Defect Closure. *Ann Surg Oncol* 2024;31(3):1615-22.



## GRADUATES OF THE BREAST SERVICE FELLOWSHIP PROGRAM (1993-2023)

### 1993–1994

M. Michele Blackwood, MD, FACS  
Chief of Breast Surgery, RCINJ  
Northern Regional Director of Breast Services  
Medical Director  
Breast Health & Disease Management  
Associate Professor of Surgery  
Rutgers Medical School

### 1995–1996

Brian O'Hea, MD, FACS  
Chief, Breast Surgery Division  
Leader, Breast Care Team  
Director, Carol M. Baldwin Breast Care Center  
Division of Breast and Oncologic Surgery  
Department of Surgery,  
Health Sciences Center, T18-060  
Renaissance School of Medicine,  
Stony Brook University

### 1996–1997

E. Shelley Hwang, MD, MPH  
Duke University Medical Center

### 1997–1998

Prof. Arnold Hill, MCh, FRCSI  
Dean of Medical Programmes and Professor of Surgery  
Royal College of Surgeons in Ireland (RCSI)  
Education & Research Centre  
Beaumont Hospital

### 1998–1999

Laura Hoque, MD  
Deceased

Mary Gemignani, MD, MPH  
Breast Service, Department of Surgery  
Memorial Sloan Kettering Cancer Center

### 1999–2000

Stephanie Bernik, MD, FACS  
Chief of Breast Service  
Mount Sinai West

### 2000–2001

Susan K. Boolbol, MD, FACS  
System Chief,  
Breast Surgical Oncology and Breast Program  
Nuance Health  
Chief, Breast Surgical Oncology and Breast Program  
Dyson Breast Center at Vassar Brothers Medical Center

Anna M. Derossis, MD, MHPE, FRCS, FACS  
Deceased

### 2001–2002

Eleni Tousimis, MD  
Chief of Breast Surgery  
MedStar Georgetown University Hospital  
Pasquerilla Healthcare Center (PHC)

Archana Ganaraj, MD  
Texas Health Presbyterian Hospital of Dallas

### 2002–2003

Tari A. King, MD  
Vice Chair for Multidisciplinary Oncology  
Department of Surgery  
Chief, Division of Breast Surgery  
Brigham and Women's Hospital  
Dana-Farber/Brigham Cancer Center  
Anne E. Dyson Professor of Surgery  
in the Field of Women's Cancers  
Harvard Medical School

May Lynn Quan, MD, MSc, FRCS  
Professor of Surgery and Oncology  
University of Calgary  
Medical Director, Calgary Breast Health Program  
Foothills Medical Centre

Donna-Marie Manasseh, MD, FACS  
Chief, Breast Surgery  
Director, Maimonides Breast Cancer Program  
Maimonides Breast Cancer Center

### 2003–2004

Michelle Specht, MD  
Assistant Attending, Department of Surgery  
Massachusetts General Hospital  
Division of Surgical Oncology

Jane E. Mendez, MD, FACS  
Chief of Breast Surgery  
Miami Cancer Institute

Arpana Naik, MD  
Associate Professor, Department of Surgery  
Medical Director, The Breast Center at  
OHSU Oregon Health and Science University

### 2004–2005

Claire Buchanan, MD, FACS  
Physician  
Fred Hutch  
Assistant Professor, General Surgery  
University of Washington School of Medicine  
Fred Hutchinson Cancer Center

Paniti Sukumvanich, MD  
Associate Professor  
Fellowship Director, Gynecologic Oncology  
Fellowship Program  
Division of Gynecologic Oncology  
Department of OB/GYN  
Women's Hospital/University of Pittsburgh  
Medical Center

Anne O'Neill, MD  
Las Vegas Surgical Associates

### 2005–2006

Carlos A. Garcia-Etienne, MD  
Breast Surgical Oncology/Oncoplastic Surgery Breast  
Center, Ospedale Santa Chiara, Trent

Laurie Flynn, MD, FACS  
Oklahoma Cancer Specialists and Research Institute

Mary Jo Wright, MD  
Chief, Breast Surgery, Tulane  
Medical Director, Breast Center  
Medical Center of Louisiana New Orleans

### 2006–2007

Andrea V. Barrio, MD  
Breast Service, Department of Surgery  
Memorial Sloan Kettering Cancer Center

Sarah McLaughlin, MD  
Mayo Clinic Jacksonville General Surgery

Karl J. Sweeney, MD  
BreastCheck, Western Unit  
Galway University Hospital

Jeanne Yu, MD  
Massachusetts General Hospital  
Department of Surgical Oncology

### 2007–2008

Everett J. Bonner, Jr., MD, FACS  
Chairman, Breast Service  
Baton Rouge General Hospital  
Assistant Clinical Professor of Surgery,  
Tulane University School of Medicine

Alice Chung, MD, FACS  
Assistant Professor of Surgery  
Associate Program Director  
Breast Oncology Fellowship  
Division of Surgical Oncology  
Cedars-Sinai Medical Center

Amer Karam, MD  
Associate Professor  
Stanford Hospital and Clinics  
Department of Obstetrics and Gynecology

Nicole Sroka, MD  
Piedmont Fayette Hospital

### 2008–2009

Michelle Azu, MD, FACS  
Assistant Professor of Surgery  
Columbia University  
Director of Breast Surgical Services  
NYP-Lawrence Hospital Associate Director,  
Breast Disease Management Team  
NYP-Lawrence Hospital

Matthew S. Pugliese, MD  
University Surgical Oncology

Shannon N. Tierney, MD, MS  
Augusta Health Breast Surgery

Lisa S. Wiechmann, MD  
Assistant Professor  
Breast Surgical Oncology  
Columbia Presbyterian Hospital

### 2009–2010

Sara A. Bloom, MD  
Inova Breast Care Center

Lydia W. Choi, MD  
Assistant Professor of Surgery  
Wayne State School of Medicine  
Barbara Ann Karmanos Cancer Institute

Shicha Kumar, MD  
Rutgers Cancer Institute of New Jersey

Jennifer L. Marti, MD Breast Surgery  
Tisch Cancer Institute  
Mount Sinai Hospital

### 2010–2011

John Mitchel Barry, MD  
Consultant General/Breast Surgeon  
Mater Misericordiae University Hospital

Kshama Jaiswal, MD  
Associate Professor  
Associate Program Director  
University of Colorado General Surgery Residency  
University of Colorado at Denver  
Anschutz School of Medicine

Bridget Oppong, MD  
Associate Professor of Surgery  
Department of Surgery  
Division of Surgical Oncology  
Breast Surgical Oncology Fellowship Deputy Director  
Deputy Director, Center for Cancer Health Equity  
(CCHE) James Comprehensive Cancer Center  
Stephanie Spielman Comprehensive Breast Center

Prof. Dr. Walter Paul Weber  
Chief of Breast Surgery  
Chair of Department "Breast, Abdomen, Pelvis"  
University Hospital Basel

### 2011–2012

Daniel Xavier Choi, MD, FACS  
Associate Attending Breast Surgical Service  
Director, Medical Student Program  
Memorial Sloan Kettering Cancer Center

Manuela Junqueira Powell, MD, CPC  
Mindset Coach

Jennifer Casher Lehman, MD  
Associate Chief  
Mount Sinai West / Mount Sinai  
Union Square

Catherine E. Pesce, MD  
Chief, Division of Surgical Oncology  
Program Director, Breast Surgical Oncology Fellowship  
NorthShore University HealthSystem  
Clinical Associate Professor,  
University of Chicago Pritzker  
School of Medicine

## 2012–2013

Tracy-Ann Moo, MD  
Breast Service, Department of Surgery  
Memorial Sloan Kettering Cancer Center

James Oliver (Seamus) Murphy, MD, FRCSI  
Consultant Breast & General Surgeon  
University Hospital Waterford

Melissa L. Pilewskie, MD  
Associate Professor of Surgery  
Director of Breast Care  
University of Michigan

Lynn T. Dengel, MD, MSc  
Virginia Breast Care  
Charlottesville, VA  
University of Virginia  
Department of Surgery

## 2013–2014

Aidan T. Manning, MD  
Consultant Breast and General Surgeon  
University Hospital Waterford  
Dunmore Road

Cindy Brown Matsen, MD  
Associate Professor, Department of Surgery  
University of Utah  
Huntsman Cancer Hospital

Julie A. O'Brien, MD  
Assistant Clinical Professor of Surgery  
Tufts University School of Medicine  
Lahey Clinic and Medical Center  
Director, Lahey Comprehensive Breast Health Center

Stacy K. Ugras, MD  
Assistant Professor of Surgery, Department of Surgery  
New York-Presbyterian/  
Columbia University Medical Center

## 2014–2015

David N. Anderson, MD  
Assistant Professor of Clinical Surgery  
Division of Endocrine and Oncologic Surgery  
Perelman School of Medicine

Maria Karsten, MD  
Leitende Oberärztin des Brustzentrum  
Charité–Universitätsmedizin Berlin

Starr Mautner, MD  
Breast Surgical Oncologist  
Baptist Health South Florida  
The Miami Cancer Institute

Preeti Subhedar, MD  
Associate Professor  
Division of Surgical Oncology Winship Cancer Center  
Emory University School of Medicine

## 2015–2016

Patricia A. Cronin, MD, FRCS  
Associate Professor of Surgery  
Division of Surgical Oncology  
Mayo Clinic Arizona

Damian McCartan, MD  
Consultant Breast and General Surgeon  
St Vincent's University Hospital Dublin

Laura H. Rosenberger, MD  
Associate Professor  
Duke University  
Department of Surgery

Joseph J. Weber, MD  
Breast Surgical Oncologist  
Medical Director, Breast Center of Excellence at  
Aurora Medical Center Grafton  
Assistant Clinical Professor of Surgery,  
Medical College of Wisconsin  
Clinical Adjunct Assistant Professor,  
University of Wisconsin  
School of Medicine and Public Health

## 2016–2017

Lori Gentile, MD  
Novant Health  
Carolina Surgical Oncology

Megan Miller, MD  
Assistant Professor  
Division of Surgical Oncology  
Department of Surgery  
Case Western Reserve University School of Medicine  
University Hospitals  
Seidman Cancer Center

Shirin Muhsen, MD  
Chief Quality Officer  
General Surgeon  
Doha, Qatar

Elizabeth Shurell, MD, MPhil  
Breast Surgical Oncologist  
Kaiser Permanente  
San Francisco Medical Center

Siun Walsh, MD  
Mater Misericordiae University Hospital

## 2017–2018

Jennifer Baker, MD  
Assistant Professor  
Division of Breast Surgery,  
Department of General Surgery University of  
California Los Angeles (UCLA)

Stephanie Downs-Canner, MD  
Assistant Attending, Breast Surgical Service  
Memorial Sloan Kettering Cancer Center  
Director, Breast Surgery Fellowship Program

Meghan R. Flanagan, MD, MPH  
Assistant Professor  
Division of Surgical Oncology  
Department of Surgery  
University of Washington School of Medicine  
Assistant Member  
Division of Public Health Sciences  
Fred Hutchinson Cancer Center

Anya M. Romanoff, MD  
Assistant Professor  
Department of Surgery  
Division of Surgical Oncology  
Health System Design and Global Health  
The Icahn School of Medicine at Mount Sinai

## 2018–2019

Nicole Christian, MD  
Assistant Professor  
Division of Surgical Oncology,  
Department of Surgery  
University of Colorado School of Medicine

Anita Mamtani, MD  
Breast Service, Department of Surgery  
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Christina Minami, MD, MS  
Division of Breast Surgery  
Brigham and Women's Hospital/Dana-Farber  
Cancer Institute

Monica G. Valero, MD  
Assistant Professor  
Breast Surgical Oncology  
Yale School of Medicine

## 2019–2020

Elizabeth Berger, MD, MS  
Assistant Professor  
Division of Surgical Oncology  
Department of Surgery  
Yale University School of Medicine

Astrid Boty van den Bruele, MD  
Breast Surgical Oncologist  
Assistant Professor of Surgery  
Associate Program Director  
of the Breast Surgical Oncology Fellowship  
Duke University Hospital  
Duke Regional Hospital

Angelena Crown, MD, FACS  
Clinical Instructor  
University of Washington Department of Surgery  
Deputy Director of Breast Surgery  
Director of Breast Surgery Research True Family  
Women's Cancer Center Swedish Cancer Institute

Melissa Anne Mallory, MD  
Assistant Professor of Surgery,  
Department of Breast Oncology  
Moffitt Cancer Center

Oriana Petruolo, MD  
Breast Surgical Oncology  
Hackensack University

## 2020–2021

Sarah Shubeck, MD, MS  
Assistant Professor  
Department of Surgery  
University of Chicago

Giacomo Montagna, MD, MPH  
Breast Service, Department of Surgery  
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Division of Breast and Melanoma Surgical Oncology  
Mayo Clinic

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Division of Surgical Oncology and  
Gastrointestinal Surgery  
Department of Surgery  
Massachusetts General Hospital

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Assistant Professor of Surgery  
Division of Endocrine and Oncologic Surgery  
Department of Surgery  
Hospital of the University of Pennsylvania

## 2021–2022

Linda M. Pak, MD  
Assistant Professor  
Department of Surgery  
NYU Grossman School of Medicine

Emily N. Palmquist, MD  
Assistant Professor, Department of Surgery  
Breast Surgical Oncology  
University of Washington School of Medicine

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Austin D. Williams, MD, MSEd  
Assistant Professor  
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## 2022–2023

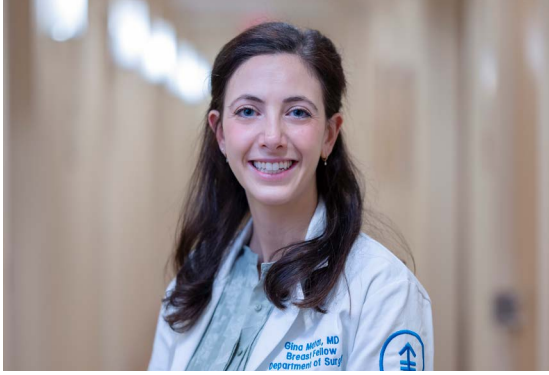
Anna C. Beck, MD  
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Division of Surgical Oncology  
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Hartford Healthcare Cancer Institute  
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V. Morgan Jones, MD  
Assistant Professor, Department of Surgery  
University of Kentucky  
Markey Cancer Center

Sara Myers, MD, PhD  
Brigham and Women's Hospital  
Dana-Farber Cancer Institute



“ I wanted a program with a strong didactic program where I would be encouraged to not just learn about breast surgery, but to think critically about the literature and how to best put it into practice. Also my co-fellows—I’m so grateful to have them as friends and colleagues, now and for the rest of our careers! ”

– Julia Chandler, Breast Fellow, 2023-2024

“ My experience at MSK helped me to feel confident beginning my first attending role due to the wide variety of clinical cases, the high surgical volume, and intensive academic preparation. While the transition to attending surgeon is a challenging one in any instance, my training at MSK gave me a solid foundation of key skills and understanding that allows me to take great care of my patients and contribute to my trainees’ education. ”

– Sarah Shubeck, Assistant Professor of Surgery, University of Chicago, Breast Fellow, 2021-2022

“ I chose MSK because I wanted high-volume, academically challenging, and excellent fellowship training. My training at MSK helped prepare me to be a thoughtful, collaborative surgeon with not only a strong foundation in the current state of breast cancer care but also how to incorporate new data and grow and evolve as a clinician over my career. ”

– Nicole Christian, Assistant Professor University of Colorado Breast Fellow, 2019-2020

“ Something that is unique to MSK’s program is that it illuminates the nuances, strengths, and limitations of the breast cancer literature. I feel confident in my ability to think critically about each case in clinical practice, and when there is something I don’t know, I have the tools to review the literature and formulate the best treatment plan for my patients. ”

– Danielle R. Heller, MD MHS Breast Surgical Oncologist, Hartford Healthcare Cancer Institute Assistant Professor, Netter School of Medicine Quinnipiac University Breast Fellow, 2022-2023

“ I chose MSK because of its excellent reputation with comprehensive breast cancer care. The surgical training and medical knowledge that I learned during fellowship was unparalleled and prepared me to be a confident breast surgical oncologist as a junior attending. The compassion the surgeons at MSK have for their patients is what I valued the most and carry on in my own practice. ”

– Marissa (Srou) Boyle, Assistant Professor of Surgery, Cedars-Sinai Medical Center, Breast Fellow, 2021-2022

“ I chose fellowship at MSK for the opportunity of high operative volume, to learn from leaders in the field, and to take advantage of strong research infrastructure. ”

– Lauren Perry, Breast Fellow, 2023-2024



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