HEREDITARY CANCER GENETICS

Incorporation into Clinical Care

ABIM CME MOC ACCREDITED



Memorial Sloan Kettering Cancer Center

On Demand Content

This on demand program includes access to the recorded lectures listed below, along with PDF copies of the presentation slides. *AMA PRA Category 1 Credit(s)™*, ABIM Maintenance of Certification (MOC) points, and ABS Continuous Certification (CC) credits are available.

Clinical Cancer Genetics: An Introduction and Overview

15 min. **From Adenine to Zygosity: An Introduction to Hereditary Cancer Genetics**
Kenneth Offit, MD, MPH

15 min. **How Genetic Counseling is Reshaping Cancer Care**
Megan Harlan Fleischut, MS, CGC
Margaret Sheehan, MS, CGC

Genomic Technologies and Knowledgebase Integration

Moderator: Zsofia K. Stadler, MD

15 min. **The Normal in the Tumor: Best Practices for Interpreting Germline Alterations in Cancer**
Diana Mandelker, MD, PhD

15 min. **Advancing Germline Testing in Oncology**
Ozge Birsoy, PhD

15 min. **Improving Diagnostic Rates Through Mosaic Variant Detection: Looking Through the Layers**
Chuan Gao, PhD

10 min. **Call the Curator! Utilizing Your Variant Curation Team for Result Interpreation**
Nikita Mehta, MS, CGC

15 min. **Empowering Clinicians to Navigate Precision Oncology Knowledgebases**
Debyani Chakravarty, PhD

15 min. **Panel Discussion and Q&A**

What's New in GU?
Hereditary Renal and Prostate Cancers

Moderator: Kenneth Offit, MD, MPH

Niehaus, Southworth, Weissenbach Award Lecture

10 min. **Lecture Introduction**
Kenneth Offit, MD, MPH

60 min. 
Genetic Predisposition to Prostate Cancer and Applications to Clinical Management
Professor Ros Eeles, FMedSci, PhD, FRCP, FRCR

20 min. **Hereditary Genitourinary Cancers: From Early Detection to Targeted Intervention**
Maria Carlo, MD

20 min. **Timing and Tactics in Hereditary Genitourinary Oncology Surgery: Precision Interventions for Better Outcomes**
Hong Truong, MD, MS

10 min. **CASE IN POINT**
Hereditary Cancer Genitourinary Edition
Eva Vailionis, MS, LCGC

15 min. **Panel Discussion and Q&A**

Multi-Modality Management of Hereditary Breast and Gynecologic Cancers

Moderator: Alicia Latham, MD, MS

20 min. **Hereditary Breast and Gynecologic Cancers: From Early Detection to Targeted Intervention**
Ying Liu, MD, MPH

15 min. **Clarity in the Details: Understanding Breast Imaging Modalities**
Kimberly N. Feigin, MD

20 min. **Individualized Surgical Intervention for Hereditary Gynecologic Cancers**
Kara C. Long, MD, MSc, FACOG

20 min. **Hormonal and Reproductive Health: What You and Your At-Risk Patients Need to Know**
Shari B. Goldfarb, MD

10 min. **CASE IN POINT**
Hereditary Cancer Breast and Gynecologic Edition
Kimberly A. Amoroso, MS, CGC

15 min. **Panel Discussion and Q&A**

Evolving Landscape of Pediatric and Hematologic Cancer Syndromes

Moderator: Chimene Kesserwan, MD

Niehaus Visiting Professor Lecture

55 min. 
The Clinical and Genetic Spectrum of Telomere Biology Disorders
Sharon A. Savage, MD

20 min. **Recognizing Hereditary Hematologic Syndromes in the Cancer Clinic: Updates in Diagnosis and Management**
Lauren Banaszak, MD

10 min. **CASE IN POINT**
Hereditary Cancer Hematologic Edition
Elise Fiala, MS, CGC

15 min. **Panel Discussion and Q&A**

Medical and Surgical Approaches to Hereditary Gastrointestinal Cancers

Moderator: Maria Carlo, MD

15 min. **Hereditary Gastrointestinal Cancers: From Early Detection to Targeted Intervention**
Zsofia K. Stadler, MD

15 min. **Surgical Strategies in Gastric Oncology: How, When, and Where to Intervene**
Vivian E. Strong, MD, FACS

15 min. **From Risk Mitigation to Malignancy: Utilizing Surgical Intervention for Hereditary Colorectal Cancers and Polyposis**
Mohammad Ali Abbass, MD, MPH

15 min. **Pancreatic Surveillance in High-Risk Cohorts: Current Standards and Future Directions**
Vineet Syan Rolston, MD

10 min. **CASE IN POINT**
Hereditary Cancer Gastrointestinal Edition
Megha Ranganathan, MS, CGC
Sarah R. Kane, MS, LCGC

15 min. **Panel Discussion and Q&A**

Risk Stratified and Tailored Surveillance

Moderator: Jada G. Hamilton, PhD, MPH

15 min. **Pan-Syndrome Surveillance: Risk Stratified Approaches**
Chimene Kesserwan, MD

10 min. **CASE IN POINT**
Hereditary Cancer Pediatric Edition
Jennifer Kennedy, MS, CGC

10 min. **Factors Associated with Patient Engagement in MSK-CATCH: A Hereditary Cancer Surveillance Program**
Anna Strang, MS, CGC
Kelsey Breen, MS, MSc, CGC

15 min. **Addressing Residual Risk: Lifestyle and Metabolic Interventions for Hereditary Cancer Prevention**
Robert Sidlow, MD, MBA

15 min. **Panel Discussion and Q&A**

Beyond the Usual Suspects: A Spotlight on Other Hereditary Cancer Syndromes

Moderator: Mohammad Ali Abbass, MD, MPH

15 min. **Innovations in Dermatologic Cancer Detection**
Anthony Rossi, MD

15 min. **Inherited Predispositions in Neuro-Oncology: What to Sequence and What to Scan**
Anna F. Piotrowski, MD

15 min. **Shedding Light on Ocular Oncology: Diagnosis and Management of Hereditary Predisposition Syndromes**
Jasmine H. Francis, MD

10 min. **CASE IN POINT**
Hereditary Cancer Rare Syndrome Edition
Hannah Gadasi, MS, CGC
Cara Waterson, MS, CGC

15 min. **Panel Discussion and Q&A**

Research Advances in Precision and Prevention

Moderator: Zsofia K. Stadler, MD

20 min.	**Beyond the Blood: Exploring Tumor-Proximal cfDNA Sampling for Early Cancer Detection** Alicia Latham, MD, MS
20 min.	**Biological Rationale and Emerging Strategies for Oncologic Vaccine Development** Benjamin Greenbaum, PhD
15 min.	**Polygenic Risk Scores and the Future of Cancer Susceptibility Assessment** Andrew Marderstein, PhD
25 min.	**Panel Discussion and Q&A**

Access and Artificial Intelligence: The Future of Hereditary Cancer Genetics

Moderator: Ying Liu, MD, MPH

15 min.	**Bridging the Access Gap in Genomic Cancer Care** Jada G. Hamilton, PhD, MPH
15 min.	**The Application of AI in Surgical Decision-Making** Giulia Ongaro, PhD Anjali Aryamvally, MS, CGC
15 min.	**Practical Ways to Use Large Language Models in Cancer Care** Mark E. Robson, MD
15 min.	**Panel Discussion and Q&A**

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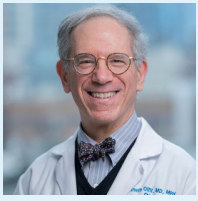
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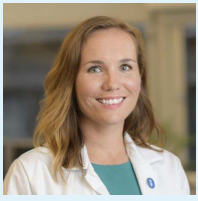
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Keynote Speakers

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Group Leader, Oncogenetics Team
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Guest Faculty

Lauren Banaszak, MD
Assistant Professor
Washington University in St. Louis

Robert and Kate Niehaus Center for Inherited Cancer Genomics

The **Robert and Kate Niehaus Center for Inherited Cancer Genomics at Memorial Sloan Kettering Cancer Center (MSK)** is dedicated to discovering the inherited causes of cancer. The Center's ultimate goal is to advance precision cancer prevention, enable earlier detection, and develop more targeted treatment strategies.

Researchers at the Niehaus Center leverage genomic sequencing and functional genomics approaches to identify new pathways associated with inherited cancer risk. This work integrates genomic data and technologies from MSK's **Marie-Josée and Henry R. Kravis Center for Molecular Oncology** with family history, clinical information, additional DNA sequencing, and functional genomic studies conducted in a dedicated research laboratory.

MSK is a recognized leader in the application of next-generation sequencing technologies to cancer research and patient care. The **MSK-IMPACT™** test analyzes tumors for alterations in more than 400 cancer-associated genes, helping physicians identify therapies that may be most effective for individual patients.

Building on this foundation, the Niehaus Center focuses on uncovering inherited genetic changes present from birth, particularly in families with unexplained cancer predisposition. The Center advances and expands upon MSK's longstanding contributions to understanding inherited susceptibility to breast, ovarian, prostate, and colorectal cancers, as well as lymphoma and childhood leukemia.



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