



## FRONTIERS IN ACADEMIC PATHOLOGY

# Molecular and Experimental Diagnostics in **ONCOLOGY**

A One-Day Course for Pathologists and Clinicians

**Friday, September 21, 2018**

New York Academy of Medicine  
1216 Fifth Avenue (at 103rd st.)  
New York, NY 10029

Department Chair

**Carlos Cordon-Cardo, MD, PhD**

Chairman and Professor of Pathology  
Professor of Genetics & Genomic Sciences  
Professor of Oncological Sciences  
Icahn School of Medicine at Mount Sinai

Course Directors

**G. Kenneth Haines III, MD**

Director, Pathology Residency Program  
Vice Chair, Anatomic Pathology  
Icahn School of Medicine at Mount Sinai

**Jane Houldsworth, PhD**

Associate Professor, Pathology  
Director, Molecular Oncology Pathology  
Icahn School of Medicine at Mount Sinai

**Michael Donovan, MD, PhD**

Professor, Pathology  
Director, Experimental Pathology  
Icahn School of Medicine at Mount Sinai

**Gerardo J. Fernandez, MD**

Associate Professor, Pathology  
Director, Precise MD  
Icahn School of Medicine at Mount Sinai

2018

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1968-2018



Icahn School  
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Mount  
Sinai

*Sponsored by*  
Icahn School of Medicine at Mount Sinai  
Department of Pathology

# GENERAL INFORMATION

## Course Description

The symposium will consist of a series of lectures and thought-provoking discussions highlighting state of the art of molecular diagnosis in oncology. Topics to be addressed include advanced diagnostic modalities including liquid biopsies, the utility of novel molecular biomarkers in the management of patients with solid malignancies and the use of population-based genomics in the precision medicine.

At the conclusion of this activity, participants will be able to:

- Describe the use and limitations of **molecular biomarkers** in the screening, diagnosis and prognostication of solid tumors.
- Describe the potential for the application of **liquid biopsies** in diagnostic medicine.
- Describe recent and developing approaches toward **experimental diagnostics**.
- Describe new insights gained from the application of **population-based genomics** in diagnostic and precision medicine.

## Who Should Attend

Pathologists, Oncologists, Geneticists, Genomic Scientists and Basic Science Researchers, both in practice and in training.

## Course Location

New York Academy of Medicine  
1216 Fifth Avenue (at 103rd Street)  
New York, NY 10029

Directions: [www.nyam.org/about/visit/](http://www.nyam.org/about/visit/)

## Accreditation

The Icahn School of Medicine at Mount Sinai is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

## Credit Designation

The Icahn School of Medicine at Mount Sinai designates this live activity for a maximum of 7.25 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Verification of Attendance

Verification of attendance will be provided to all professionals.

## Special Needs

The Icahn School of Medicine at Mount Sinai is in full compliance with provisions of the Americans with Disabilities Act (ADA) and is accessible for individuals with special needs. If you require special accommodations please contact the Page and William Black Post-Graduate School of Medicine at 212-731-7950.

# AGENDA

- 7:00 – 7:25 **BREAKFAST**
- 7:25 – 7:35 **Opening Remarks/Welcome**  
Carlos Cordon-Cardo MD, PhD  
G. Kenneth Haines III, MD
- 7:35 – 8:15 **Chairman’s Lecture**  
Carlos Cordon-Cardo, MD, PhD
- 8:15 – 9:00 **Prospective Tumor Genomic Profiling to Guide Targeted Therapy Treatment: The MSK-IMPACT Experience**  
David B. Solit, MD
- 9:00 – 9:10 **COFFEE BREAK**
- 9:10 – 9:50 **The Art and Science of the Liquid Biopsy in Molecular Diagnostics**  
Michael Donovan, MD, PhD
- 9:50 – 10:35 **High-Dimensional Analyses of the Mucosal Microenvironment in Precancerous, Intraepithelial Cervical HPV Disease**  
Cornelia Liu Trimble, MD
- 10:35 – 11:20 **Radiomics and AI: The Other “Imaging” – Radiology**  
Lawrence H. Schwartz, MD
- 11:20 – 12:10 **INDUSTRY LUNCH - Non CME Lecture**
- 12:10 – 12:50 **Bringing Novel Molecular Diagnostics into the Clinic: Integration and Interpretation**  
Jane Houldsworth, PhD

# AGENDA

- 12:50 – 1:35      **Towards Data Driven Cancer Precision Medicine**  
Adam Margolin, PhD
- 1:35 – 1:45      **COFFEE BREAK**
- 1:45 – 2:30      **Clinical Genomics at a Rural Academic Medical Center**  
Joel A. Lefferts, PhD
- 2:30 – 3:15      **Prognostic and Predictive Biomarkers in the Immune  
Checkpoint Blockade-era in Bladder Cancer**  
Matthew Galsky, MD
- 3:15 – 3:55      **Artificial Intelligence in Grading Human Cancers**  
Gerardo J. Fernandez, MD
- 3:55 – 4:00      **COFFEE BREAK**
- KEYNOTE ADDRESS and CLOSING REMARKS**
- 4:00 – 4:05      **Introduction of Keynote Speaker**
- 4:05 – 4:55      **Deconstructing The Molecular Genetics of Human Cancer and  
Its Therapeutic Implications**  
Pier Paolo Pandolfi, MD, PhD
- 4:55 – 5:00      **Closing Remarks**  
Carlos Cordon-Cardo, MD, PhD
- RECEPTION**
- 5:00 – 6:00      Location: Presidents Gallery Room

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### REGISTRATION FEES

- \$150 Physicians & Allied Health Professionals
- \$150 Resident /Fellow
- \*Complimentary for Mount Sinai Health System (MSHS)  
Residents & Fellows  
*MSHS Residents & Fellows - please email [cme@mssm.edu](mailto:cme@mssm.edu)  
with your hospital ID for CME Code*

### TWO WAYS TO REGISTER

- Online:** <http://mssm.cloud-cme.com>
- Mail** this form with your check to:  
Icahn School of Medicine at Mount Sinai  
The Page and William Black Post-Graduate School  
One Gustave L. Levy Place, Box 1193  
New York, NY 10029-6574

Enclosed is my check for \$\_\_\_\_\_ payable to  
The Page and William Black Post-Graduate School

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Last Name	First Name	Degree
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Address

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City	State	Zip
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Phone

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Institution

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E-mail

### REFUND POLICY

All cancellations must be confirmed in writing to The Page and William Black Postgraduate School by (09/14/2018) for tuition refund. An administrative fee of \$50.00 will be retained from all registrations. No refunds will be made on cancellations after this date or for 'no shows'. The course director/department reserve the right to cancel an event. The event sponsors are not responsible for any airfare, hotel, or other costs incurred by registrants. Name changes must be done prior to the cancellation date. Name changes are not permitted after the cancellation date.

For security purposes, credit card payment cannot be accepted by mail or fax. **Register online to pay by credit card.**

**For Conference Information:**

**Email: [cme@mssm.edu](mailto:cme@mssm.edu) or call the Office of CME at 212-731-7950**

# FACULTY

## Faculty Disclosure

It is the policy of Icahn School of Medicine at Mount Sinai to ensure objectivity, balance, independence, and transparency. Faculty members participating in the planning or implementation of a sponsored activity are expected to disclose to the audience any financial relationships that may arise from the relationship. Presenters must also make a meaningful disclosure to the audience, which will be available as part of the course material.



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Vice Chair, Anatomic Pathology  
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New York, NY



**Matthew Galsky**  
MD  
Professor, Medicine  
(Hematology and Medical Oncology)  
Professor, Urology  
Icahn School of Medicine at Mount Sinai  
New York, NY



**Jane Houldsworth**  
PhD  
Associate Professor, Pathology  
Director, Molecular Oncology Pathology  
Icahn School of Medicine at Mount Sinai  
New York, NY

## KEYNOTE SPEAKER



**Pier Paolo Pandolfi**  
MD, PhD  
George C. Reisman Professor of Medicine and  
Professor of Pathology, Medicine, Harvard Medical School  
Chief, Division of Genetics, Department of Medicine,  
Beth Israel Deaconess Medical Center  
Director, Cancer Center,  
Beth Israel Deaconess Medical Center  
Director, Cancer Research Institute,  
Beth Israel Deaconess Medical Center  
Boston, MA



**Lawrence H. Schwartz**  
MD  
James Picker Professor and Chairman  
Department of Radiology  
Columbia University Medical Center  
New York, NY

nce, transparency, and scientific rigor in all CME-sponsored educational activities. All faculty  
the audience any relevant financial relationships and to assist in resolving any conflict of interest  
ence of their discussions of unlabeled or unapproved drugs or devices. This information will be



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**Joel A. Lefferts**

**PhD**

Assistant Professor of  
Pathology and Laboratory Medicine  
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**Adam Margolin**

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New York, NY



**David B. Solit**

**MD**

Geoffrey Beene Chair,  
Genitourinary Oncology Service  
Director, Marie-Josée and Henry R. Kravis Center  
for Molecular Oncology  
Memorial Sloan Kettering-Cancer Center  
New York, NY



**Cornelia Liu Trimble**

**MD**

Professor of Gynecology and Obstetrics  
Johns Hopkins University School of Medicine  
Baltimore, MD



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