

BASSER
CENTER
FOR BRCA

8TH ANNUAL SCIENTIFIC SYMPOSIUM

BRCA1, BRCA2 and Beyond:
An Update on Hereditary Cancer

Keynote Speakers and Basser Global Prize Awardees:

Douglas Easton, PhD, and
Antonis Antoniou, PhD

WEDNESDAY, SEPTEMBER 9, 2020
8:45 AM - 3:45 PM EDT



Penn Medicine

Program Overview

This symposium is designed to educate researchers, scientists, and health care providers in cancer genetics by presenting cutting-edge data from renowned researchers. This symposium will provide new information on progress in cancer screening and prevention, as well as ongoing work in targeted therapy for *BRCA1/2* and other mutation carriers through a series of lectures and panel discussions.

PROGRAM OBJECTIVES

At the completion of this symposium, attendees should be able to:

- **Discuss new research on the genetic epidemiology of *BRCA1/2* and other homologous recombination deficiency (HRD) genes.**
- **Describe current ethical, legal and social issues associated with carrying a *BRCA1/2* mutation.**
- **Review new approaches to screening and prevention of hereditary breast, ovarian, pancreatic and prostate cancer.**
- **Discuss new advances in treatment for mutation carriers of *BRCA1/2* and other known cancer susceptibility genes.**

WHO SHOULD ATTEND

Healthcare providers including medical oncology, surgical oncology, gynecology oncology, ob-gyn, genetic counselors, primary care physicians and nurses/nurse practitioners who are interested in the genetics of *BRCA1/2* related cancers.



KEYNOTE SPEAKER AND BASSER GLOBAL PRIZE AWARDEE

Douglas Easton, PhD

University of Cambridge

Professor Easton is currently Director of the Centre for Cancer Genetic Epidemiology within the Department of Public Health and Primary Care. He studied Mathematical Statistics at the University of

Cambridge before gaining a PhD in Genetic Epidemiology at the University of London in 1992. In 1995 he set up the Cancer Research UK Genetic Epidemiology Unit at Cambridge, where he was a CR-UK Principal Research Fellow from 2001-2011. He was awarded Professorship of Genetic Epidemiology in 2003.



KEYNOTE SPEAKER AND BASSER GLOBAL PRIZE AWARDEE

Antonis Antoniou, PhD

University of Cambridge

Professor Antoniou studied at the London School of Economics and Political Science and the University of Cambridge before gaining his PhD in Genetic Epidemiology at Cambridge in 2001. He was

appointed a Professor of Cancer Risk Prediction in 2017. He currently leads a research group within the Department of Public Health and Primary Care and he is the Academic Course Director for the MPhil in Epidemiology.



SYMPOSIUM CHAIR

Susan M. Domchek, MD

Executive Director, Basser Center for BRCA

Director, Mariann and Robert MacDonald Cancer Risk Evaluation Center

Susan Domchek is the Basser Professor in Oncology at the Perelman School of Medicine of the University of Pennsylvania. She serves as Executive Director of the Basser Center for BRCA at the Abramson Cancer Center and Director of the Mariann and Robert MacDonald Cancer Risk Evaluation Center. Her work focuses on the genetic evaluation and medical management of individuals with inherited risk factors for cancer. Dr. Domchek is particularly interested in developing new cancer therapies, such as PARP inhibitors, for breast cancer patients due to genetic risk factors.

SYMPOSIUM CO-ORGANIZERS

Ronald Drapkin, MD, PhD

Associate Professor of Pathology in Obstetrics & Gynecology
Director, Ovarian Cancer Research Center
Director of Gynecologic Cancer Research, Bassett Center for BRCA

Dana Farengo Clark, MS, LCGC

Senior Genetic Counselor
Mariann & Robert MacDonald Cancer Risk Evaluation Center
Bassett Center for BRCA

Roger Greenberg, MD, PhD

Professor of Cancer Biology
Investigator, Abramson Family Cancer Research Institute
Director of Basic Science, Bassett Center for BRCA
Director, Penn Center for Genome Integrity

Katherine L. Nathanson, MD

Professor of Medicine
Deputy Director, Abramson Cancer Center
Director of Genetics, Bassett Center for BRCA

PENN MEDICINE FACULTY

Jessica Ebrahimzadeh, MS, LCGC

Genetic Counselor
Mariann & Robert MacDonald Cancer Risk Evaluation Center
Bassett Center for BRCA

Jacquelyn Powers, MS, LCGC

Senior Genetic Counselor
Mariann & Robert MacDonald Cancer Risk Evaluation Center
Bassett Center for BRCA

GUEST SPEAKERS

Eitan Friedman, MD, PhD

Professor
Director and Founder, Suzanne Levy-Gertner Oncogenetics Unit
Sheba Medical Center, Israel

Karen Hurley, PhD

Licensed Clinical Psychologist
Center for Behavioral Health
Cleveland Clinic

Alejandra Hurtado de Mendoza, PhD

Assistant Professor of Cancer Prevention and Control
Lombardi Comprehensive Cancer Center Georgetown University

Susan L. Neuhausen, PhD

Professor of Cancer Etiology
Beckman Research Institute
City of Hope Comprehensive Cancer Center

Mark Robson, MD

Chief, Breast Medicine Service
Clinic Director, Clinical Genetics Service
Memorial Sloan Kettering Cancer Center

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WEDNESDAY, SEPTEMBER 9, 2020

8:45-9:00 am	Welcome and introductions
9:00-9:30 am	VNTRs as modifiers of penetrance and age at cancer diagnosis in <i>BRCA1</i> mutation carriers Eitan Friedman, MD, PhD
9:30-10:00 am	The problem is choice: Reconsidering ethical and psychological autonomy in the NGS era Karen Hurley, PhD
10:00-10:30 am	Using implementation science to inform implementation of a culturally targeted video to enhance the use of genetics services in at-risk Latinas Alejandra Hurtado de Mendoza, PhD
10:30-11:00 am	Genetic Counseling Roundup: updates and trends in practice and genetic testing strategies Jacquelyn Powers, MS, LCGC
11:00-11:15 am	BREAK

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WEDNESDAY, SEPTEMBER 9, 2020

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|-------------------|--|
| 11:15 am-12:30 pm | <p>Global Prize presentation and keynote address</p> <ul style="list-style-type: none">• Unravelling the genetics of breast cancer - from families to populations• Characterizing <i>BRCA1</i> and <i>BRCA2</i>: What have we learned from large national and international consortia <p><i>This session is open to the public.</i></p> |
| 12:30-1:30 pm | <p>Breakthroughs and Discoveries Panel moderated by Susan Domchek, featuring panelists Douglas Easton, Antonis Antoniou, Alejandra Hurtado de Mendoza, and Jacquelyn Powers.</p> <p><i>This lay session is open to the public.</i></p> |
| 1:30-1:45 pm | <p>BREAK</p> |
| 1:45-2:15 pm | <p>Genetics of breast cancer in Latinas
Susan Neuhausen, PhD</p> |
| 2:15-2:45 pm | <p>Deciding on thresholds for intervention in cancer susceptibility
Mark Robson, MD</p> |
| 2:45-3:45 pm | <p>Case Panel moderated by Susan Domchek with Mark Robson and Jessica Ebrahimzadeh</p> |

Registration Information

REGISTER ONLINE

This conference is **FREE** but we strongly recommend registration, as space is limited.

ACCREDITATION AND DESIGNATION OF CREDIT

GENETIC COUNSELORS

The National Society of Genetic Counselors (NSGC) has authorized Bassett Center for BRCA, Abramson Cancer Center, University of Pennsylvania to offer up to 0.5 CEUs or 5 Category 1 contact hours for the activity BRCA1, BRCA2 and Beyond: An Update on Hereditary Cancer. The American Board of Genetic Counseling (ABGC) will accept CEUs earned at this program for the purposes of genetic counselor certification and recertification.

CANCELLATION POLICY

The University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In the event of cancellation or postponement, the University will not be responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines, or travel agencies.

SERVICES FOR THE DISABLED

If special arrangements are required for an individual with a disability to attend this meeting, please contact basserinfo@penmedicine.upenn.edu.

NONDISCRIMINATION STATEMENT

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The Basser Center for BRCA is the first comprehensive center for the research, treatment and prevention of BRCA-related cancers. Devoted to advancing care for people affected by BRCA mutations, the Basser Center's unique model provides funding for collaborative research, education and outreach programs around the world.

WE TAKE CANCER PERSONALLY.

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