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 - 3:30 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, Basser Center for BRCA*

### Dana Farengo Clark, MS, LCGC

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

### Roger Greenberg, MD, PhD

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

### Katherine L. Nathanson, MD

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

## PENN MEDICINE FACULTY

### Jessica Ebrahimzadeh, MS, LCGC

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

### Jacquelyn Powers, MS, LCGC

*Senior Genetic Counselor*
*Mariann & Robert MacDonald Cancer Risk Evaluation Center*
*Basser 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

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| 8:45-9:00 am | Welcome and introductions |
| 9:00-9:30 am | VNTRs as modifiers of penetrance and age at cancer diagnosis in *BRCA1* mutation carriers<br>Eitan Friedman, MD, PhD |
| 9:30-10:00 am | The problem is choice: Reconsidering ethical and psychological autonomy in the NGS era<br>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<br>Alejandra Hurtado de Mendoza, PhD |
| 10:30-11:00 am | Genetic Counseling Roundup: updates and trends in practice and genetic testing strategies<br>Jacquelyn Powers, MS, LCGC |
| 11:00 am-12:15 pm | Global Prize presentation and keynote address<br>• Unravelling the genetics of breast cancer - from families to populations<br>• Characterizing *BRCA1* and *BRCA2*: What have we learned from large national and international consortia<br>Doug Easton, PhD, and Antonis Antoniou, PhD |

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| **12:15-12:30 pm** | **BREAK** |
| 12:30-1:30 pm | Breakthroughs and Discoveries Panel moderated by Susan Domchek, featuring panelists Douglas Easton, Antonis Antoniou, Alejandra Hurtado de Mendoza, and Jacquelyn Powers. *This lay session is open to the public.* |
| 1:30-2:00 pm | Genetics of breast cancer in Latinas<br>Susan Neuhausen, PhD |
| 2:00-2:30 pm | Deciding on thresholds for intervention in cancer susceptibility<br>Mark Robson, MD |
| 2:30-3:30 pm | Case Panel moderated by Susan Domchek with Mark Robson and Jessica Ebrahimzadeh |

# 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 Basser 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@pennmedicine.upenn.edu.

### NONDISCRIMINATION STATEMENT

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to: Executive Director, Office of Affirmative Action and Equal Opportunity Programs, 3600 Chestnut Street, Sansom Place East, Suite 228, Philadelphia, PA 19104-6106 or 215.898.6993 (Voice) or 215.898.7803 (TDD).

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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