

Abramson Cancer Center



Penn Medicine

BASSER RESEARCH CENTER *for* BRCA

2ND ANNUAL SCIENTIFIC SYMPOSIUM

Recent Advances in Breast and Ovarian Cancer Genetics

Tuesday, May 6 – Wednesday, May 7, 2014

Smilow Center for Translational Research
Auditorium/Commons

(enter through Perelman Center for Advanced Medicine)

3400 Civic Center Boulevard
Philadelphia, PA 19104

Keynote Speaker and
Basser Global Prize Awardee:
Professor Alan Ashworth, FRS

The Basser Research Center for BRCA focuses exclusively on *BRCA1* and *BRCA2* research. Our mission is to deliver cutting edge research in basic and clinical sciences to advance the care of individuals who carry BRCA mutations.

For more information, visit www.Basser.org
or contact basserinfo@uphs.upenn.edu or (215) 662.4348



Program Overview

This symposium is designed to educate health care providers in cancer genetics by presenting cutting-edge data from renowned *BRCA1/2* researchers. This symposium will provide information on new strategies in genetic testing, cancer screening and prevention and ongoing work in targeted therapy for *BRCA1/2* mutation carriers. Through a series of lectures and panel discussions, the symposium will give attendees the opportunity to network with colleagues working in the field.

PROGRAM OBJECTIVES

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

- **Discuss new research on the basic biology of *BRCA1* and *BRCA2* as well as new sequencing strategies, which may aid in developing targeted treatment.**
- **Discuss the current understanding of variants of uncertain significance.**
- **Describe the current clinical management strategies for individuals with genetic risk for breast, ovarian, and pancreatic cancer.**
- **Identify ethical and social implications of genetic testing.**
- **Discuss new advances in cancer treatment for *BRCA1/2* mutation carriers.**

WHO SHOULD ATTEND

Health care 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.



SYMPOSIUM CHAIR

Susan M. Domchek, MD

Executive Director, Basser Research Center for BRCA

Director, Mariann and Robert MacDonald Women's Cancer Risk Evaluation Center

Basser Professor of Oncology

Since joining the Abramson Cancer Center in 2001, Dr. Domchek has committed herself to pursuing novel research in breast and ovarian cancers, particularly related to genetic factors contributing to their development. Dr. Domchek is the Basser Professor of Oncology at the University of Pennsylvania, Executive Director of the Basser Research Center for BRCA, and the Director of the Mariann and Robert MacDonald Women's Cancer Risk Evaluation Center at the Abramson Cancer Center. She is also a Senior Fellow at the Leonard Davis Institute of Health Economics. Dr. Domchek has authored/coauthored more than 150 articles appearing in scholarly journals, and serves on a number of editorial review boards including the NCI PDQ in Cancer Genetics and the Journal of Clinical Oncology.

KEYNOTE SPEAKER AND BASSER GLOBAL PRIZE AWARDEE

Professor Alan Ashworth, FRS

Chief Executive, Institute of Cancer Research

Professor of Molecular Biology

Professor Alan Ashworth, FRS is Chief Executive of The Institute of Cancer Research (ICR). He is also Professor of Molecular Biology and Leader of the Gene Function team in The Breakthrough Breast Cancer Research Centre at the ICR. One of Professor Ashworth's major contributions to cancer research has been his work on genes involved in cancer risk. He was a key part of the team that in 1995 discovered the *BRCA2* gene, which is linked to an increased risk of some types of cancers. Ten years later, Professor Ashworth identified a way to exploit genetic weaknesses in cancer cells including mutated *BRCA2*, leading to a new approach to cancer treatment. His current research reflects his passion for the development of personalized cancer medicine, translating laboratory studies into improvements in patient care.



PENN MEDICINE FACULTY

Angela Bradbury, MD

*Assistant Professor of Medicine
Division of Hematology/Oncology*

Clarisa R. Gracia, MD, MSCE

*Associate Professor of Obstetrics and Gynecology
Director, Fertility Preservation Program*

Roger Greenberg, MD, PhD

*Associate Professor of Medicine
Abramson Cancer Center
Investigator, Abramson Family Cancer
Research Institute
Director of Basic Science, Basser Research Center*

Kara Maxwell, MD, PhD

*Fellow
Division of Hematology/Oncology*

GUEST SPEAKERS

Fergus J. Couch, PhD

*Professor and Chair, Division of Experimental Pathology
Department of Laboratory Medicine and Pathology
Mayo Clinic*

William D. Foulkes, MB, PhD

*Director, Cancer Genetics Program
McGill University*

Judy E. Garber, MD, MPH

*Director, Center for Cancer Genetics and Prevention
Dana Farber Cancer Institute*

Maria Jasin, PhD

*Lab Head, Developmental Biology Program
Memorial Sloan Kettering Cancer Center*

Elise Kohn, MD

*Head, Gynecologic Cancer Therapeutics
Division of Cancer Treatment and Diagnosis
National Cancer Institute*

Constance D. Lehman, MD, PhD

*Medical Director, Imaging
Seattle Cancer Care Alliance
Professor, Vice Chair, Radiology Department
University of Washington School of Medicine*

Katherine Nathanson, MD

*Associate Professor of Medicine
Translational Medicine and Human Genetics
Co-Leader, Cancer Control Program
Abramson Cancer Center
Director of Genetics, Basser Research Center*

Jacquelyn Powers, MS, CGC

*Genetic Counselor
Mariann and Robert MacDonald Women's
Cancer Risk Evaluation Center*

Joseph M. Serletti, MD

Chief, Division of the Plastic Surgery

David M. Livingston, MD

*Deputy Director
Professor of Genetics and Medicine
Dana Farber Cancer Institute*

Alexander V. Mazin, PhD

*Professor
Department of Biochemistry
and Molecular Biology
Drexel University*

Andre Nussenzweig, PhD

*Chief, Laboratory of Genome Integrity
Center for Cancer Research
National Cancer Institute*

Mark E. Robson, MD

*Clinic Director, Clinical Genetics Service
Memorial Sloan Kettering Cancer Center*



Basser Research Center for BRCA 2ND ANNUAL SCIENTIFIC SYMPOSIUM AGENDA

Tuesday, May 6 – Wednesday, May 7, 2014

Smilow Center for Translational Research (SCTR)
Rubenstein Auditorium and SCTR Commons

TUESDAY MAY 6, 2014

Morning Session: Basic Science of BRCA Function in Tumor Suppression and Response to Therapy

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|-------------------|---|
| 8:30-9:00 | Registration |
| 9:00-9:15 | Introductions |
| 9:15-9:45 | BRCA DNA Damage Repair Functions and Cancer David Livingston, MD |
| 9:45-10:15 | The BRCA Proteins and Control of Homologous Recombination Maria Jasin, PhD |
| 10:15-10:45 | Determinants of Genome Integrity in <i>BRCA1</i> Mutant Cells Andre Nussenzweig, PhD |
| 10:45-11:00 | Break |
| 11:00-11:30 | The BRCA Tumor Suppressor Network Roger Greenberg, MD, PhD |
| 11:30-12:00 | Targeting the Homologous Recombination Machinery with Small Molecules Alexander V. Mazin, PhD |
| 12:00-1:00 | Lunch |
| 1:00-2:30 | Keynote Speaker/Presentation of Basser Medal: Harnessing Genetic Dependencies in Cancer Therapy Professor Alan Ashworth, FRS |

Basser Research Center for BRCA 2ND ANNUAL SCIENTIFIC SYMPOSIUM

TUESDAY MAY 6, 2014 *(continued)*

Afternoon Session: Targeted Therapies: What We've Learned from *BRCA1/2*

- 2:30-3:00 Targeted Therapies for *BRCA1/2*-associated Breast Cancer
Judy Garber, MD, MPH
- 3:00-3:30 Targeted Therapies for *BRCA1/2*-associated Ovarian Cancer
Elise Kohn, MD
- 3:30-4:00 PARP Inhibitors in Other Cancers
Susan Domchek, MD

4:00-5:30 Poster Session/Reception

WEDNESDAY MAY 7, 2014

Morning Session: Gene Panels in Cancer Risk Assessment

- 8:30-9:00 Registration
- 9:00-9:30 A Review of the Landscape of Multigene Panel Testing for Inherited Cancer Susceptibility
Angela Bradbury, MD
- 9:30-10:00 Variants of Uncertain Significance: An Embarrassment of Riches
Fergus J. Couch, PhD
- 10:00-10:30 PALB2 and other Post *BRCA1/2* Breast and Ovarian Cancer Susceptibility Genes
William D. Foulkes, MB, PhD
- 10:30-10:45 Break
- 10:45-11:15 Through a Glass, Darkly: Somatic Mutation Profiling and Inherited Risk
Mark E. Robson, MD
- 11:15-12:00 Case Presentations/Panel Discussion

Basser Research Center for BRCA 2ND ANNUAL SCIENTIFIC SYMPOSIUM

WEDNESDAY MAY 7, 2014 *(continued)*

12:00-1:00 Lunch/Breakout Sessions

1. VUSs - Variants of Uncertain and Mis-Understood Significance
Kara Maxwell, MD, PhD
2. Management of Men with *BRCA1/2* Mutations
Jacquelyn Powers, MS, CGC
3. Meet a Genetic Counselor
4. Clinical Research Opportunities at Penn

Afternoon Session: Hot Topics in *BRCA1/2* Clinical Management

- 1:00-1:30 *BRCA1* and *BRCA2* Mutation Specific Risks
Katherine Nathanson, MD
- 1:30-2:00 Breast Cancer Screening in *BRCA1/2* Mutation Carriers
Constance D. Lehman, MD, PhD
- 2:00-2:30 Update on Breast Reconstruction
Joseph M. Serletti, MD
- 2:30-3:00 Fertility Issues and Reproductive Decisions in *BRCA1/2* Mutation Carriers
Clarisa R. Gracia, MD, MSCE

3:00-3:30 Evaluations and Wrap-Up

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Registration Information

REGISTER ONLINE

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

ACCREDITATION AND CREDIT INFORMATION

Physicians: The Perelman School of Medicine at the University of Pennsylvania designates this live activity for a maximum of 11.75 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses: The Program will award 13 contact hours.

The Hospital of the University of Pennsylvania, Department of Nursing Education, Innovation and Professional Development is an approved provider of continuing nursing education by the PA State Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

NSGC: This event has been submitted to the National Society of Genetic Counselors (NSGC) for approval of Category 1 CEUs. The American Board of Genetic Counseling (ABGC) accepts CEUs approved by NSGC for purposes of recertification. Approval for the requested CEUs and Contact Hours is currently pending.

DISCLOSURES

Perelman School of Medicine at the University of Pennsylvania, Office of Continuing Medical Education, adheres to the ACCME Standards for Commercial Support. Faculty disclosure information will be made available in the conference materials and syllabi. Faculty members are also expected to disclose to participants any discussion of off-label and/or investigational use of pharmaceutical products or devices within their presentations.

CANCELLATION POLICY

The Perelman School of Medicine at the University of Pennsylvania reserves the right to cancel or to 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

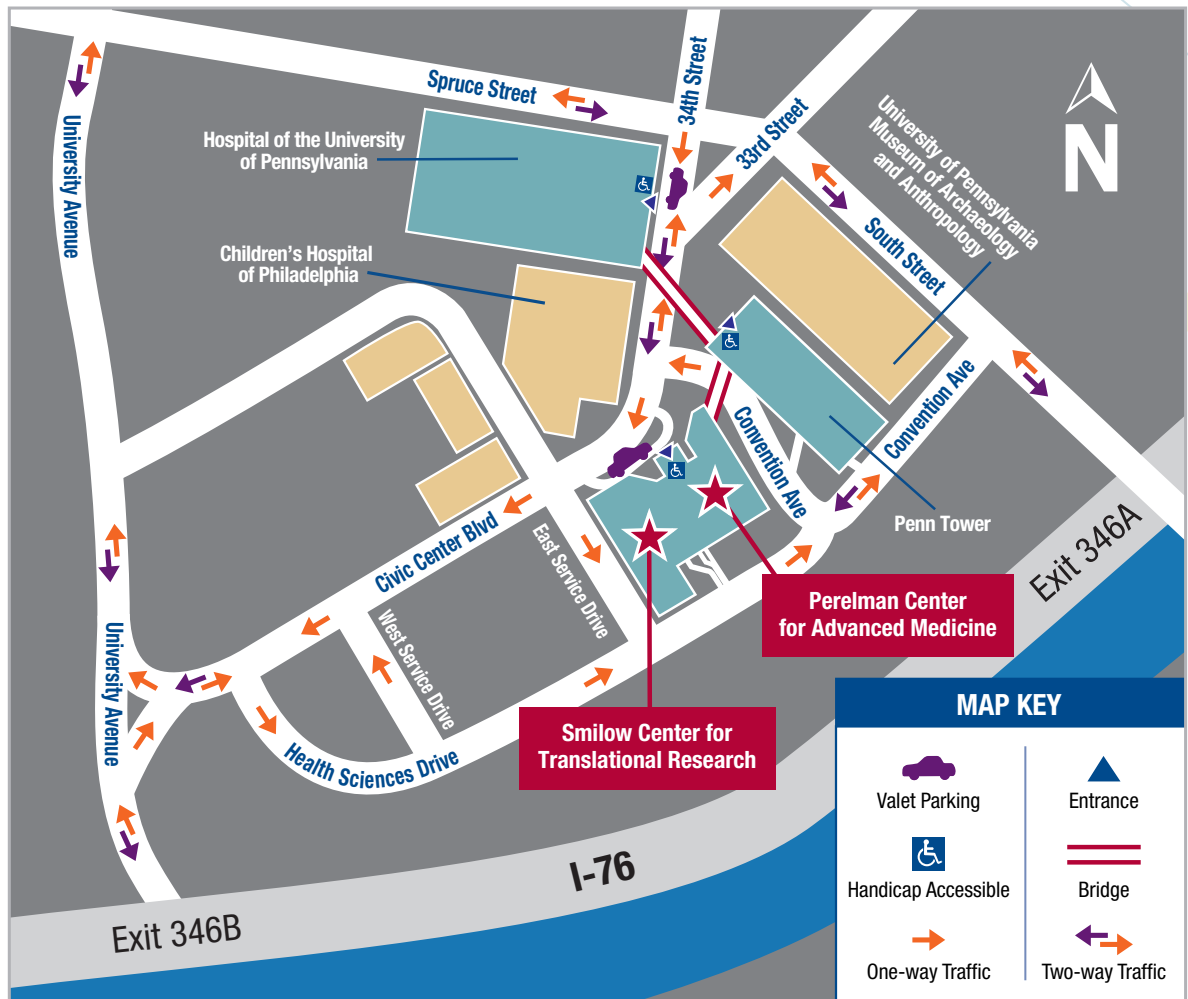
If special arrangements are required for an individual with a disability to attend this meeting, please contact basserinfo@uphs.upenn.edu

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).

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Visiting Information



HOTEL

A block of rooms has been reserved at the **Sheraton Hotel – Philadelphia/University City** at a special group rate of \$175 per night. **Rooms must be reserved by Saturday, April 5th** to take advantage of the group rate.

[RESERVE YOUR ROOM](#)

PARKING

Valet parking is available at the Perelman Center.

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