

# Molecular Predictive Markers of Breast Cancer: Risks and Benefits of Therapy

**February 15, 2008**

Mayo Clinic, Kinne Auditorium  
Jacksonville, Florida

## **Course Directors**

Edith A. Perez, MD

Lynn C. Hartmann, MD

Frances M. Palmieri, RN, MSN, OCN

## **What you will learn:**

- Genetic markers as predictors of targeted therapy
- Value of gene profiles as predictors of benefits to adjuvant tamoxifen/ aromatase inhibitor therapy
- Molecular markers and gene microarray studies
- Targeted therapy and toxicity – cost issues
- Cancer survivorship
- Promising studies and pipeline drugs

## **For more information and to register:**

Register online: [www.mayo.edu/cme](http://www.mayo.edu/cme)

Call: 800-462-9633 or 904-953-2598

Email: [cme-jax@mayo.edu](mailto:cme-jax@mayo.edu)



In conjunction with  
*26.2 with Donna -  
The National Marathon to  
Fight Breast Cancer*  
([www.breastcancermarathon.com](http://www.breastcancermarathon.com))

February 17, 2008  
in Jacksonville, FL

## COURSE DESCRIPTION

Understanding and identifying molecular predictive markers for breast cancer and the risks and benefits of therapy help to optimize patient care and to outline strategies for effective drug development. Attendees will have ample time for questions and answers with the faculty and will leave with information which will have direct clinical impact for their practice.

## COURSE LEARNING OBJECTIVES

At the conclusion of this course, participants should be able to:

- List markers for increased risk of breast cancer in benign breast biopsies.
- Discuss the role of molecular markers as predictors of benefits of HER2 targeted therapy.
- Differentiate molecular predictors of efficacy of non-HER2 targeted therapies.
- Explain the role of molecular predictors to benefit anti-estrogen therapy.
- Interpret the predictive role of BRCA1-2 and other genes for breast cancer risk.
- Analyze the status and role of “pipeline” novel targeted drugs in early development.
- Summarize important highlights from the San Antonio Breast Cancer Symposium 2007.
- Identify processes to integrate your role of providing cancer survivorship planning into everyday practice.

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures, which may be discussed or taught in this course

## INTENDED AUDIENCE

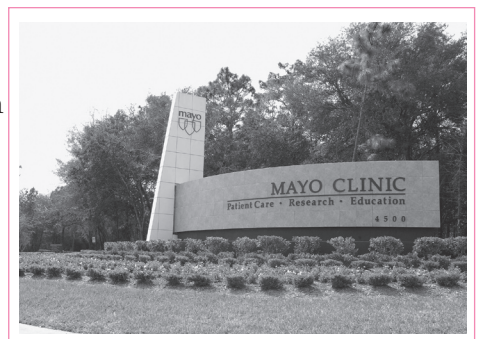
This course is intended for medical oncologists, scientists and others interested in cutting edge research in breast cancer.

## CREDIT

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this educational activity for a maximum of 4.0 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Nurses and pharmacists are eligible to receive up to 4.0 hours of credit from Florida Board of Nursing, CE Broker #123455



## EDUCATIONAL GRANTS

This course is supported in part by educational grants from multiple companies in accordance with ACCME Standards.

At the time of this printing a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.

## DATE AND LOCATION

This course will be held Friday, February 15, 2008. Course headquarters will be located in Kinne Auditorium in the Cannaday Building on the campus of Mayo Clinic, 4500 San Pablo Road, Jacksonville, Florida. Jacksonville International Airport (JAX) is approximately 45 minutes north of Mayo Clinic and is served by most major airlines.

## REGISTRATION

Register online at [www.mayo.edu/cme](http://www.mayo.edu/cme) or complete the attached registration form and return by mail or fax. The registration fee includes tuition, continental breakfast, and break refreshments. Although it is not Mayo School of Continuing Medical Education policy to limit the number of registrants for a course, the meeting space may dictate closure of enrollment. Registrations are accepted on a first-come, first-served basis. A letter of confirmation will be sent upon receipt of payment and completed registration form. Please present this letter when checking in at the meeting registration desk.

## CANCELLATION POLICY

Your registration fee, less a \$50 administrative fee, will be refunded when written notification is received by the Mayo School of Continuing Medical Education before January 25, 2008 (fax#: 904-953-2954). No refunds will be made after January 25.

## LODGING ACCOMMODATIONS

Participants in this educational activity may utilize hotel accommodations listed on [www.breastcancermarathon.com](http://www.breastcancermarathon.com) site. Please book early and identify yourself as a participant in breast cancer marathon activities. Hotel accommodations are the responsibility of the attendee. We encourage you to book early. Hertz has extended special rates for this Mayo CME course. Meeting reservations can be booked online at [hertz.com](http://hertz.com) or by calling Hertz at 1-800-654-2240 and referring to **CV#03S00003**. Hotel accommodations and travel are the responsibility of the attendee.

## MAYO CLINIC FACULTY

*Edith A. Perez, MD \**  
Professor of Medicine  
College of Medicine, Mayo Clinic  
Jacksonville, Florida

*Frances M. Palmieri, RN, MSN, OCN\**  
Mayo Clinic Breast Clinic  
Nurse Manager  
Jacksonville, Florida

*Lynn C. Hartmann, MD\**  
Professor of Oncology  
College of Medicine, Mayo Clinic  
Rochester, Minnesota

*\*Course Directors*

## FACULTY DISCLOSURE

*As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of CME) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.*

## DISTINGUISHED GUEST FACULTY

*José Baselga, MD*  
Hospital Vall D'Hebron  
Barcelona, Spain

*Julie Gralow, MD*  
Associate Professor  
University of Washington  
Seattle Cancer Care Alliance  
Seattle, Washington

*Clifford A. Hudis, MD*  
Associate Professor  
Memorial Sloan-Kettering  
Cancer Center  
New York, New York

*Susan M. Love, MD*  
The Dr. Susan Love Research  
Foundation  
Pacific Palisades, California

*Mark D. Pegram, MD*  
Professor of Medicine  
University of Miami  
Miller School of Medicine  
Miami, Florida

*Kathleen I. Pritchard, MD*  
Professor, Department of Medicine  
Sunnybrook Odette Cancer Centre  
University of Toronto,  
Ontario, Canada

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## PROGRAM - FRIDAY, FEBRUARY 15, 2008

- 7:00-7:55 am Registration and Continental Breakfast
- 8:00 Welcome and PreTest
- 8:10 Markers for increased breast cancer risk in benign breast biopsies, including new data on lobular involution and new risk models  
*Lynn C. Hartmann, MD*
- 8:30 Molecular markers as predictors of sensitivity or resistance to HER2 targeted therapy: research vs current applicability  
*Jose Baselga, MD*
- 8:50 Selection of patients for anthracyclines and non-HER2 targeted therapies based on molecular markers  
*Mark Pegram, MD*
- 9:10 Can we decide who needs anthracyclines based on molecular markers?  
*Kathleen I. Pritchard, MD*
- 9:30 Panel Discussion
- 10:00 Break
- 10:20 Protein and gene predictors of benefit to anti-estrogen therapy (selective estrogen receptor modulators and aromatase inhibitors)  
*Clifford Hudis, MD*
- 10:40 Novel targeted drugs: what targets, what agents?  
*Julie Gralow, MD*
- 11:00 Summary of highlights from the San Antonio Breast Cancer Symposium 2007: Clinical and research implications  
*Edith A. Perez, MD*
- 11:20 Cancer survivorship: new data  
*Susan M. Love, MD*
- 11:40 Panel Discussion
- 12:10 pm Post Test
- 12:20 Adjourn

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or Mail form and payment to:

Mayo School of Continuing Medical Education

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Jacksonville, FL 32224

ATTN: Registrar MPM08

Telephone: 800-462-9633

Office: 904-953-2598

Fax: 904-953-2954

Email: [cme-jax@mayo.edu](mailto:cme-jax@mayo.edu)

Please print or type all information. You may reproduce this form for multiple registrations

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Physicians and Scientists – \$125 \$ \_\_\_\_\_

Residents, PA's, Nurses – \$95 \$ \_\_\_\_\_

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