



# HARVARD MEDICAL SCHOOL

## DEPARTMENT OF CONTINUING EDUCATION

### Breast MR Imaging and Spectroscopy 2010

October 1-3, 2010

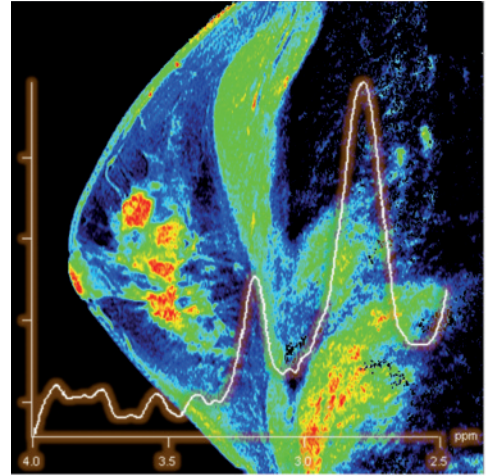
BRIGHAM AND WOMEN'S HOSPITAL  
BOSTON, MA

*Directors*

**ROBYN L. BIRDWELL, MD; CAROLYN MOUNTFORD, DPHIL;  
ALEXANDER P. LIN, PHD**

*offered by*

**BRIGHAM AND WOMEN'S HOSPITAL  
Department of Radiology**



**Course Overview:**

More and more clinicians have discovered the advantages of MR Mammography (MRI) since its clinical introduction 26 years ago. MRI is used in clinical practice with a steady growing frequency. However, many still describe a "high sensitivity but a low specificity," which is incorrect. Achieving high quality isn't an easy task; a lot of lessons have to be learned and extensive training is needed for both data acquisition and interpretation. Therefore, we will present state-of-the-art MRI imaging and spectroscopy of the breast and practical training that will allow physicians to improve their diagnostic ability.

**Course Goals and Objectives:**

State-of-the-art contrast enhanced breast MRI and MRS will be presented as the core program. The technology behind the protocols will be discussed as will the hardware necessary to collect reproducible diagnostic data. The diagnostic paradigms for benign, DCIS, malignant, and post therapy and mastectomy will be discussed. Newly developed protocols such as Diffusion Weighted Imaging will be presented. In addition to the presenters, the BWH MR physicists will be part of the faculty to answer questions.

This course will have the faculty present to cover basic education in the field as well as state-of-the-art and cutting edge protocols, data handling, and interpretation. Finally, how MR is perceived and needed improvements in patient management will be discussed by the breast surgeons, pathologists, and clinical researchers.

**Attendance Limited**

**Program on Reverse Side**

Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Harvard Medical School designates this educational activity for a maximum of 13 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of the participation in the activity.

**REGISTRATION INFORMATION:**

**Tuition Fee - \$950 (USD). Reduced Fee for Residents/Fellows in Training** (\*a letter of verification from the Department Chair must accompany the registration form for a reduced fee) and **Allied Health Professionals - \$450 (USD)**. All foreign payments must be made by a draft on a United States bank. If paying by check, make it payable to Harvard Medical School and mail with the completed registration form to: **Harvard Medical School Department of Continuing Education, P.O. Box 825, Boston, MA 02117-0825**. If paying by credit card, please register online at [www.cme.hms.harvard.edu/courses/BreastMRIImaging](http://www.cme.hms.harvard.edu/courses/BreastMRIImaging). Telephone, fax, or mail-in registration with credit card payment is not accepted. Inquiries should be directed to the above address, made by phone: (617) 384-8600, Monday-Friday, 10 A.M. to 4 P.M. (EST), or by e-mail: [hms-cme@hms.harvard.edu](mailto:hms-cme@hms.harvard.edu). Upon receipt of your registration form an email confirmation from the HMS-DCE office will be sent to you. Therefore, be sure to include an email address that you check daily/frequently. Your email address is used for critical information about the course including; registration confirmation, course evaluation and certificate.

**Please Note: Program changes/substitutes may be made without notice.**

**ONLINE INFORMATION:**

To register or view course information online, visit our home page: [www.cme.hms.harvard.edu/courses/BreastMRIImaging](http://www.cme.hms.harvard.edu/courses/BreastMRIImaging). To ensure proper registration, please add the first three characters of the source code found at the bottom of the registration form.

**REFUND POLICY:**

A handling fee of \$60 is deducted for cancellation. Refund requests must be received by mail or fax one week prior to the course. No refunds will be made thereafter.

**COURSE LOCATION:**

All sessions will be held at Brigham and Women's Hospital, 75 Francis Street, Boston, MA 02115.

**TRAVEL:**

Please do not make non-refundable airline reservations until your enrollment in the course has been confirmed. You can make your airline reservation by calling the HMS Travel Desk toll free at 1(877) 4-HARVMD (1-877-442-7863), Monday - Friday, 9 A.M. - 8 P.M. (EST). From outside the U.S., Canada, and Virgin Islands, please call (617) 559-3764.

**BREAST MR IMAGING AND SPECTROSCOPY 2010**

Class #03014418

**October 1-3, 2010**

**Physicians: \$950.00**

**Residents/Fellows in Training and Allied Health Professionals: \$450.00**

**Check is enclosed:** Please make your check payable to *Harvard Medical School* and mail it with this registration form to:  
**Harvard Medical School-Department of Continuing Education, P.O. Box 825, Boston, MA 02117-0825**

*Please Print Clearly*

Name \_\_\_\_\_ Degree \_\_\_\_\_  
First Middle Initial Last

Mailing Address \_\_\_\_\_  
Street City State Zip Code

Daytime Phone (\_\_\_\_) \_\_\_\_\_ Fax Number (\_\_\_\_) \_\_\_\_\_

**Please note:** Your email address is used for critical information about the course including; registration confirmation, course evaluation and certificate. Please be sure to include an email address you check daily or frequently.

E-Mail Address \_\_\_\_\_  Please check if you wish to be **excluded** from receiving email notices of future HMS-DCE programs.

Professional School Attended \_\_\_\_\_ Year of Graduation \_\_\_\_\_

Profession \_\_\_\_\_ Organization Affiliation \_\_\_\_\_

Primary Specialty (Physicians Only) \_\_\_\_\_ Board Certified: Yes  No

\* A letter of verification from Department Chair must accompany the registration form for a reduced fee.

Registrations paid by credit card may be made online at:  
**[www.cme.hms.harvard.edu/courses/BreastMRIImaging](http://www.cme.hms.harvard.edu/courses/BreastMRIImaging)**

Online Registrants. Add the first **three characters** of the source code found here =>

Source Code: **WEB**

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**BREAST MR IMAGING AND SPECTROSCOPY 2010**  
**Brigham and Women's Hospital, Boston, MA**

**Friday, October 1 (Bornstein Family Amphitheater)**

**Afternoon**

1:30 – 1:45	<b>Registration</b>	
1:45 – 2:00	Welcome and Program Overview .....	Carolyn Mountford, DPhil
2:00 – 3:00	A Surgeons Perspective .....	Mehra Golshan, MD
3:00 – 4:00	Benign Lesions .....	Werner A. Kaiser, MD
4:00 – 5:00	Breast Coils Present Past and Future .....	Larry Wald, PhD
5:00 – 6:00	Malignant Lesions.....	Werner Kaiser, MD
7:00	<i>Conference Dinner</i>	

**Saturday, October 2 (Bornstein Family Amphitheater)**

**Morning**

8:00 – 8:30	<i>Continental Breakfast</i>	
8:30 – 9:30	Treatment Regimes and What the Oncologist Wants to Know.....	J. Dirk Iglehart, MD
9:30 – 10:30	Scars .....	Werner A. Kaiser, MD
10:30 – 11:00	<i>Coffee Break</i>	
11:00 – 12:00	Implants and Hormone Effects.....	Werner A. Kaiser, MD

**Afternoon**

12:00 – 1:00	<i>Box Lunch</i>	
1:00 – 2:00	Molecular Imaging and What It Holds for the Future.....	Robyn L. Birdwell, MD
2:00 – 2:30	Chemistry of the Breast from Tumor Development to Progression.....	Carolyn Mountford, DPhil
2:30 – 3:00	In Vivo Spectroscopy "Practical Guide" .....	Peter Stanwell, PhD, RT
3:00 – 3:30	Pulse Sequences: Europe Differs from the U.S.A. How? .....	Werner A. Kaiser, MD
3:30 – 4:00	<i>Afternoon Tea</i>	
4:00 – 5:00	Training on Workstations (optional)	

**Sunday, October 3 (Bornstein Family Ampitheater)**

**Morning**

7:30 – 8:00	<i>Continental Breakfast</i>	
8:00 – 8:45	DWI to Monitor Therapy .....	Reiko Woodhams, MD, PhD
8:45 – 9:45	DCIS .....	Werner A. Kaiser, MD
9:45 – 10:15	<i>Coffee Break</i>	
10:15 – 11:00	A Pathologists Perspective of DCIS.....	Laura C. Collins, MBBS
11:00 – 12:00	Round Table Topic: Scanner Time vs. Protocols We Need to Make a Correct Diagnosis.....	Chair: Robyn L. Birdwell, MD Faculty: Werner A. Kaiser, MD; Reiko Woodhams, MD, PhD; Sughra Raza, MD; Peter Stanwell, PhD, RT

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**HARVARD MEDICAL SCHOOL FACULTY**

**Robyn L. Birdwell, MD:** Associate Professor of Radiology, Harvard Medical School; Section Head, Division of Breast Imaging, Department of Radiology, Brigham and Women's Hospital

**Laura C. Collins, MBBS:** Associate Professor of Pathology, Harvard Medical School; Associate Director, Pathology, Beth Israel Deaconess Medical Center

**Mehra Golshan, MD:** Assistant Professor of Surgery, Harvard Medical School; Director of Breast Surgical Services, Dana-Farber/Brigham and Women's Cancer Center

**J. Dirk Iglehart, MD:** Anne E. Dyson Professor in Women's Cancer and Surgery and the Charles A. Dana Senior Investigator in Cancer Genetics, Harvard Medical School; Director of Breast Cancer Program, Dana-Farber Cancer Institute

**Werner A. Kaiser, MD:** Professor and Chairman, Institute of Diagnostic and Interventional Radiology, Friedrich-Schiller University, Jena, Germany; Visiting Professor of Radiology, Brigham and Women's Hospital

**Carolyn Mountford, DPhil:** Visiting Professor of Radiology, Harvard Medical School; Director of Center for Clinical Spectroscopy, Department of Radiology, Brigham and Women's Hospital

**Sughra Raza, MD:** Assistant Professor of Radiology, Harvard Medical School; Associate Director of Breast Imaging, Director of Clinical Breast MR, Department of Radiology, Brigham and Women's Hospital

**Peter Stanwell, PhD, RT:** Instructor of Radiology, Harvard Medical School; Center for Clinical Spectroscopy, Department of Radiology, Brigham and Women's Hospital; Associate Professor, University of Newcastle, Newcastle, Australia

**Larry Wald, PhD:** Associate Professor of Radiology, Harvard Medical School; Director of MGH NMR Core at Martinos Center, Department of Radiology, Massachusetts General Hospital

**GUEST FACULTY**

**Reiko Woodhams, MD, PhD:** Assistant Professor, Department of Radiology, Kitasato University School of Medicine, Kanagawa, Japan