The MGH Radiological Society

Presents

The 2016 Hampton Symposium

Frontiers in Imaging

Friday, March 25, 2016

Being held at
Massachusetts General Hospital
and the Boston Harbor Hotel

Please visit our website -
http://massgeneralimaging.org/alumni/
About the 2016 Hampton Symposium

The MGH Radiological Society, which fosters professional, scientific, and medical interactions among graduates of radiology training at Mass General, will host the Hampton Symposium on Friday, March 25, 2016.

Events begin at 12 noon in the O’Keeffe Auditorium, where our Distinguished Alumnus for 2016 will deliver a keynote address. This will be followed by poster summaries from the Center of Systems Biology followed by a meet-and-greet lunch and the viewing of the posters. After lunch there will be lectures by MGH Faculty on cutting edge radiology.

This year’s Distinguished Alumnus, A. Gregory Sorensen, MD is the interim CEO and the Executive Chairman of the board of directors for IMRIS.

Events conclude Friday evening at the majestic Boston Harbor Hotel for the 49th Annual Aubrey O. Hampton Lecture, dinner and dancing to a live band.

The 2016 Hampton Lecturer is Sanjiv Sam Gambhir, M.D., Ph.D., Virginia and D.K. Ludwig Professor of Cancer Research Chair, Department of Radiology, Professor by courtesy, Departments of Bioengineering and materials Science & Engineering, Director Molecular Imaging Program at Stanford (MIPS), Director Canary Center at Stanford for Cancer Early Detection, Stanford University School of Medicine.

Symposium Locations

The afternoon program will be held at the Massachusetts General Hospital, O’Keeffe Auditorium, located on the 1st floor of the Blake Building. Registration begins at 11:30am.

Hampton Lecture and Dinner Location

The Hampton Lecture and sit-down dinner will be held at The Boston Harbor Hotel. Registration opens at 5.45 pm.

The Boston Harbor Hotel is located just a short cab ride from the MGH Campus – estimated travel time is 10 minutes.
Description
Presented by the MGH Radiological Society, this CME course will include a symposium and poster session in the afternoon at the MGH Campus O’Keeffe Auditorium and the Hampton Lecture and sit-down dinner and dancing at the Boston Harbor Hotel.

Course Overview
The Frontiers in Imaging course is designed to educate practicing radiologists and radiology trainees about advancements in the field of radiology. The majority of lectures will be given by faculty of Harvard Medical School. Topics selected reflect pertinent issues facing the imaging field including molecular imaging and incorporation of advances in informatics to improve patient care. All speakers are well known in their fields and have been speakers at recent national and international radiology conferences. The theme of the course this year will be “Molecules & Bytes”. Lectures will focus on the burgeoning fields of molecular imaging and informatics. There will be four lectures dedicated for Molecular Imaging, the clinical impact of nanoparticles and their impact on oncology, and neurology. There will be four lectures on informatics and technology and their application on patient safety, trainee education, decision support, and the application of machine learning in medical imaging.

We will also present our popular Research Poster Session to highlight the state of the art work being done in the laboratory of Dr. Ralph Weissleder’s Center for Systems Biology Molecular Imaging Division. Topics include: PET/MR motion correction, Stem Cell Tx, in room PET for Proton Therapy and many more.

The course is designed to improve learner competence so that participating radiologists can apply new strategies in their clinical practice, thereby improving performance in practice.

1. Acquire competence in regards to the molecular imaging, nanoparticles, and their impact on disease and diagnosis of disease.

2. Acquire competence as to use of informatics to improve health care efficiency, education, and quality.

Learning Objectives
Upon completion of this course, participants will be able to:
1. Evaluate the impact of molecular imaging and nanoparticles on disease diagnosis and management.
2. Determine ways to use informatics to improve patient care and quality.
3. Incorporate informatics tools such as deep learning and clinical decision support.
4. Use informatics tools to improve training of residents, fellows, and staff.

Accreditation
The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The Harvard Medical School designates this live activity for a maximum of 4.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ACGME Competencies
This course is designed to enhance the following Accreditation Council of Graduate Medical Education competencies: Patient care, medical knowledge, practice-based learning and improvement, and systems-based practice.

HMS Disclosure Policy
Harvard Medical School (HMS) adheres to all ACCME Essential Areas, Standards, and Policies. It is HMS’s policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.
# HAMPTON SYMPOSIUM AGENDA

**Afternoon Program, O’Keeffe Auditorium, Blake Building, 1st Floor, MGH**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:30 AM</td>
<td>Registration</td>
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<tr>
<td>12:00 PM</td>
<td><strong>Scientific Program</strong></td>
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<td><strong>Moderator:</strong> James Brink, MD</td>
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<td>12:00 - 12:05</td>
<td>Introduction of the Distinguished Alumnus</td>
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<td>12:05 - 12:40</td>
<td>&quot;I, For One, Welcome Our New Computer Overlords” – Will Software Replace Radiologists? A. Gregory Sorensen, MD</td>
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<tr>
<td>12:40 - 12:50</td>
<td>Q&amp;A</td>
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<td>12:50 - 1:25</td>
<td>Poster Summaries from the Center for Systems Biology</td>
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<td>1:25 - 2:00</td>
<td>Meet &amp; Greet Bag Lunch and Poster Session with the CSB Faculty</td>
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<td>2:00 - 2:20</td>
<td>Molecular Analyses of Biopsies: Towards Single Cell Analyses</td>
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<td>2:20 - 2:25</td>
<td>Q&amp;A</td>
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<td>2:25 - 2:45</td>
<td>Myeloperoxidase Immunoradiology for CNS Diseases</td>
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<td>2:45 - 2:50</td>
<td>Q&amp;A</td>
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<td>2:50 - 3:10</td>
<td>Clinical Application of Nanoparticle Enhanced MRI</td>
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<td>3:10 - 3:15</td>
<td>Q&amp;A</td>
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<td>3:15 - 3:35</td>
<td>Informatics &amp; Technology for Quality and Safety</td>
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<tr>
<td>3:35 - 3:40</td>
<td>Q&amp;A</td>
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<td>3:40 - 4:00</td>
<td>Applying Deep Learning Techniques in Diagnostic Radiology to Improve Diagnostic Accuracy, Workflow, and Quality</td>
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<td>4:00 - 4:05</td>
<td>Q&amp;A</td>
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<tr>
<td>4:05 - 4:25</td>
<td>Bringing Imaging Guidelines to the Point of Care: Clinical Decision Support for Radiologists</td>
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<td>4:25 - 4:30</td>
<td>Q&amp;A and Adjourn</td>
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<td>4:30 - 5:15</td>
<td>Alumni Round Table</td>
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- Haber Conference Room
HAMPTON SYMPOSIUM AGENDA

Evening Program - The Hampton Lecture and Dinner

5:45-7:00 PM  Registration and Cocktail Hour at the Boston Harbor Hotel

7:00-7:15  Introduction of the Hampton Lecturer - James Brink, MD

Hampton Lecture

7:15-8:00  Precision Health and The Future of Integrated Diagnostics
Hampton Lecturer 2016 - Sanjiv S. Gambhir, MD, PhD

8:00-8:05  Presentation of Plaque - James Brink, MD

8:05-10:00  Hampton Lecture Dinner and Dance
(Please note, you must RSVP for the dinner as part of the registration process)

Faculty

James Brink, MD
Professor of Radiology, HMS
Radiologist-in-Chief, MGH

Tarik Alkasab, MD
Instructor in Radiology, HMS
Assistant Radiologist, MGH

John W. Chen MD, PhD
Associate Professor of Radiology, HMS
Associate Radiologist, MGH

Garry Choy, MD
Instructor in Radiology, HMS
Assistant Radiologist, Division of Cardiovascular and Thoracic Radiology, MGH;
Assistant Chief Medical Information Officer, MGPO

Synho Do, PhD
Assistant Professor, HMS
Assistant in Physics, MGH

Mukesh Harisinghani, MD
Professor of Radiology, HMS
Radiologist, MGH

Pari Pandharipande, MD, MPH
Associate Professor of Radiology, HMS
Radiologist, MGH;
Director, MGH Institute for Technology Assessment

Raul N. Uppot, MD
Assistant Professor, HMS
Assistant Radiologist, MGH

Ralph Weissleder, MD, PhD
Thrall Family Professor of Radiology
Professor of Systems Biology, HMS
Director, Center for Systems Biology, MGH
Distinguished Faculty

Distinguished Alumnus Lecturer 2016

A. Gregory Sorensen, MD
Executive Chairman, IMRIS

Dr. Sorensen is the interim CEO and the Executive Chairman of the board of directors for IMRIS. As head of IMRIS, Dr. Sorensen brings a deep understanding of technology, the biological basis of disease, the importance of measurable outcomes, and the environment of clinical practice. Dr. Sorensen is a neuroradiologist, well known in the industry for his innovative research in medical imaging and for his expertise in clinical practice. His research and techniques are utilized by numerous centers throughout the world in phase II and III trials in cancer, stroke, and other illnesses. Dr. Sorensen holds a B.S. in Biology from California Institute of Technology, a M.S. in Computer Science from Brigham Young University, and a Medical Degree from Harvard Medical School.

Hampton Lecturer 2016

Sanjiv Sam Gambhir, MD, PhD
Virginia and D. K. Ludwig Professor of Cancer Research; Chair, Department of Radiology Professor by courtesy, Departments of Bioengineering and Materials Science & Engineering; Director, Molecular Imaging Program at Stanford (MIPS); Director, Canary Center at Stanford for Cancer Early Detection Stanford University School of Medicine

Dr. Gambhir is the Virginia & D.K. Ludwig Professor of Cancer Research and the Chair of Radiology at Stanford University School of Medicine. He also heads up the Canary Center at Stanford for Cancer Early Detection and directs the Molecular Imaging Program at Stanford (MIPS). He received his MD and PhD from the UCLA Medical Scientist Training Program. He has over 575 publications in the field and over 40 patents pending or granted. An internationally recognized researcher in molecular imaging with over $90 Million of NIH funding as the Principal Investigator, his lab has focused on interrogating fundamental molecular events in living subjects.
Organizing Committee

James Brink, MD
Professor of Radiology, HMS
Radiologist-in-Chief, MGH

Laura Avery, MD
Assistant Professor of Radiology, HMS
Associate Radiologist, MGH

Garry Choy, MD
Instructor in Radiology, HMS
Assistant Radiologist, Division of Cardiovascular and Thoracic Radiology, MGH; Assistant Chief Medical Information Officer, MGPO

Efren Flores, MD
Instructor in Radiology, HMS
Assistant Radiologist, MGH

Michael S. Gee, MD, PhD
Assistant Professor of Radiology, HMS
Division Head, Pediatric Radiology, MGH; Associate Program Director in Radiology, MGH

Mykol Larvie, MD, PhD
Instructor in Radiology, HMS
Associate Radiologist, Nuclear Medicine and Molecular Imaging and Neurology, MGH

Raul N. Uppot, MD
Assistant Professor, HMS
Assistant Radiologist, MGH

Michael H. Lev, MD, FAHA, FACR
Professor of Radiology, HMS
Director, Emergency Radiology, MGH

Theresa McLoud, MD
Professor of Radiology, HMS
Vice Chair of Education, MGH

Victorine V. Muse, MD
Assistant Professor of Radiology, HMS
Radiologist, MGH

Sjirk Westra, MD
Associate Professor, HMS
Associate Radiologist, MGH

Administrator:
Emma Shandra

Alumni Coordinator:
Lynda Bessette

Accommodations

Partners Healthcare has partnered with the hotels listed below to offer discounted rates to those visiting MGH. Please note that you must make arrangements directly with the hotel.

Boston Harbor Hotel
70 Rowes Wharf
For Inquiries: 617-439-7000
Room Reservations Only: 800-752-7077
Email: reservations@bhh.com

Bulfinch Hotel
107 Merrimac Street
Call the hotel directly at 617-624-0202
(Visiting MGH/Partners to get discount)
Email: info@theboxerboston.com

Liberty Hotel
215 Charles Street
617-224-4000 MGH/Partners
Discount upon availability
Email: reservations@libertyhotel.com

Sheraton Hotel
39 Dalton Street
800-325-3535

Wyndham Boston at Beacon Hill
5 Blossom St.
Call 617-742-7630 and ask for the Mass General Hospital rate
Email: Wyndhambeaconhill.com