

Department of Radiology and Radiological Science and
the Division of Nuclear Medicine Present

*Enhance Patient
Care with*
**Nuclear Medicine and
Molecular Imaging**

March 10-11, 2017



Johns Hopkins University School of Medicine
Thomas B. Turner Building, Baltimore, Maryland
Director: Martin Pomper, MD, PhD

This activity has been approved for *AMA PRA Category 1 Credits™*.

DESCRIPTION

Nuclear Medicine has long been recognized as the imaging modality that can best assess function and the results of events that occur at a molecular level. The increased understanding of genomic and specific molecular mechanisms is now being more widely applied in clinical situations. The goal of this program is to discuss how nuclear molecular imaging can increase the effectiveness of many studies performed daily in both academic and community hospital imaging centers. Johns Hopkins faculty and visiting experts will present their experience with PET/CT and SPECT/CT and illustrate their results with studies from their patient populations. There will be ample time for questions and discussion following each presentation.

WHO SHOULD ATTEND

This program will be especially applicable to nuclear medicine physicians and radiologists who interpret nuclear medicine studies as well as those who treat patients with radioactive isotopes. It will also be useful for referring physicians who want to learn more about state-of-the-art and emerging nuclear medicine studies. The program will also be appropriate for technologists and others interested in using current state-of-the-art nuclear medicine techniques.

OBJECTIVES

After attending this activity, the participant will demonstrate the ability to:

- Interpret nuclear medicine studies with greater confidence.
- Recognize new ways to obtain quantitative data.
- Discuss different nuclear medicine treatment options available to patients for variety of disease states, including emerging techniques.

Accreditation Statement

The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation Statement

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 14 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Credit

The Johns Hopkins University has approved this activity for 14 **contact hours for non-physicians**.

Policy on Speaker and Provider Disclosure

It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider globally disclose conflicts of interest. The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the instructional materials.

To Register or For Further Information

Register Online	https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=6640
Register by Phone	(410) 502-9634
Register by Fax	(866) 510-7088
Confirmation/Certificates/Transcripts	(410) 502-9634
General Information	(410) 955-2959
E-mail the Office of CME	cmenet@jhmi.edu

Follow us on Twitter: <http://twitter.com/HopkinsCME>

Facebook: www.facebook.com/HopkinsCME

NEW! Check out our mobile app CloudCME.

Organization Code: HopkinsCME

For website and CloudCME mobile app technical difficulties, email: cmetechnsupport@jhmi.edu

For general information, the direct link for this CME activity web page is:

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=6640>



GENERAL INFORMATION

REGISTRATION

Friday, March 10, 2017 • 8:00 – 8:55 a.m.

LOCATION

Thomas B. Turner Building

Johns Hopkins University School of Medicine
720 Rutland Avenue, Baltimore, Maryland 21205

The Turner Building is located on Rutland Avenue at Monument Street. Directions and campus parking information are available on our website under the contact us link: <https://HopkinsCME.cloud-cme.com>.

Handicapped parking is available in the nearby Rutland Garage. Johns Hopkins is smoke-free.

Saturday Only: Complimentary parking is available in the Washington Street Garage.

FEES

REGISTRATION CUT-OFF DATE:

March 4, 2017

Methods of Payment: We require full payment prior to the start of the activity. On-site payments by credit card only. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

Physicians.....\$600

Residents*/Fellows*/Nurses*/NPs/PAs/
Allied Health Professionals.....\$500

*with verification of status

You will receive a confirmation by e-mail. If you have not received it by March 4, 2017, call (410) 502-9634 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

LATE FEE AND REFUND POLICY

A \$50 late fee applies to registrations received after 5:00 p.m. ET on March 4, 2017. A handling fee of \$50 will be deducted for cancellation. Refund requests must be received by fax or mail by March 4, 2017. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

ACKNOWLEDGEMENT

Applications for commercial support from health care related industries are pending. A complete list of supporters will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

Please note: The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this activity may require the Johns Hopkins University School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.

SYLLABUS

The syllabus will be accessible online and via your mobile device in the Cloud App prior to the activity.

HOTEL AND TRAVEL INFORMATION

Pier 5 Hotel(866) 583-4162

711 Eastern Avenue (410) 539-2000
Baltimore, Maryland 21202 FAX: (410) 783-1469
Web Site: <http://thepier5.com>

HOTEL RESERVATION CUT-OFF DATE: February 8, 2017

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first-come, first-served basis.

The Pier 5 Hotel is nestled on its own pier directly on the water, next to the National Aquarium and behind the Power Plant entertainment complex. The Pier 5 is just steps away from the Inner Harbor. Make your reservation by calling the hotel directly and specify that you are attending the Johns Hopkins **Enhance Patient Care with Nuclear Medicine and Molecular Imaging** to receive the special group rate of \$173, single or double, plus tax. Check-in time is 4:00 p.m. Check-out time is 12:00 noon.

EVALUATION AND OUTCOMES SURVEY

Post activity, an online evaluation form will be available to attendees to evaluate the activity and individual presentations and identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print.

A survey will be sent to all physician attendees within three months post activity to assist us in determining what impact this activity had on the learner's practice.

EMERGENCY CALLS

On March 10-11, 2017, direct emergency calls to the Hopkins registration desk, (410) 955-3673. Messages will be posted for participants.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins University School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.

PROGRAM

There will be 10 minutes for questions and discussion following each 20 minute presentation.

Friday, March 10, 2017

8:00 - 8:55 Registration and Continental Breakfast

8:55 - 9:00 **Welcome and Conference Goals**
Martin G. Pomper

Neurology and Psychiatry

9:00 - 9:20 **Current Management of Dementia**
Chiadikaobi U. Onyike

9:30 - 9:50 **Imaging in Dementia: Targeting Amyloid and Tau**
Dean F. Wong

10:00 - 10:20 **Quantitative SPECT in Parkinson's Disease**
Zsolt Szabo

10:30 - 10:45 BREAK

Cardiology

10:45 - 11:05 **Challenges in Managing Patients with Heart Disease**
Gordon F. Tomaselli

11:15 - 11:35 **Measuring Flow and Function**
Rob Beanlands

11:45 - 12:05 **Imaging Patients with Cardiac Sarcoidosis**
Thomas H. Schindler

12:15 - 1:15 LUNCH

1:15 - 1:35 **Molecular Nuclear Cardiology**
Frank M. Bengel

Oncology: Prostate Cancer

1:45 - 2:05 **Challenges in Management of Prostate Cancer**
Kenneth J. Pienta

2:15 - 2:35 **New Molecular Imaging Agents for Prostate Cancer**
Martin G. Pomper

2:45 - 3:05 **Molecular Imaging in Management of Prostate Cancer: Present and Future**
Steven P. Rowe

3:15 - 3:30 BREAK

Bread and Butter Studies

3:30 - 3:50 **Radioiodine Therapy of Hyperthyroidism and Differentiated Thyroid Cancer**
David S. Cooper

4:00 - 4:20 **PET in the Management of Lymphoma**
Richard L. Wahl

4:30 - 4:50 **Radionuclide Gastrointestinal Transit**
Harvey A. Ziessman

5:00 ADJOURN

Saturday, March 11, 2017

7:30 - 8:15 Continental Breakfast

Oncology: Radiopharmaceutical Therapy

8:15 - 8:35 **Radiopharmaceutical Therapy: How We Use It**
Daniel Y. Song

8:45 - 9:05 **Precision Medicine in the Context of Radiopharmaceutical Therapy**
George Sgouros

9:15 - 9:35 **PSMA Radioligand Therapy (PRLT) of Metastatic Prostate Cancer (mCRPC)**
Richard P. Baum

9:45 - 10:00 BREAK

Oncology: Therapy and Therapeutic Monitoring

10:00 - 10:20 **PET in Management of Lung Cancer**
Mehrbod Som Javadi

10:30 - 10:50 **Peptide Receptor Radiotherapy in Neuroendocrine Tumors**
Richard P. Baum

11:00 - 11:20 **Therapy with Radioactive Microspheres**
Kelvin Hong

11:30 - 11:50 **The Role of PET in Neuro-Oncology**
Jonathan E. McConathy

12:00 - 12:20 **PET for Monitoring Immunotherapy**
Heather A. Jacene

12:30 - 1:15 LUNCH

Interesting Applications of Molecular Imaging

1:15 - 1:35 **PET Imaging of Breast Cancer: Clinical and Biologic Insights**
David A. Mankoff

1:45 - 2:05 **Bacteria-Specific Imaging to Diagnose and Monitor Infections**
Sanjay K. Jain

2:15 - 2:35 **PET/MR: Key Indications and Pitfalls**
Peter L. Choyke

2:45 - 3:05 **Molecular Imaging in Clinical Trials**
David A. Mankoff

3:15 - 3:30 BREAK

3:30 - 3:50 **Keeping Your Practice Robust**
Val J. Lowe

4:00 - 4:50 **Interesting PET and PET/CT Cases**
Mehrbod Som Javadi and Lilja B. Solnes

4:50 SUMMARY and ADJOURN

You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance. The registration desk will remain open during conference hours.

The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.

This schedule is subject to change.

Director

Martin G. Pomper, MD, PhD

William R. Brody Professor of Radiology and Radiological Science
Director, Division of Nuclear Medicine and Molecular Imaging
Department of Radiology and Radiological Science
Johns Hopkins University School of Medicine

Guest Speakers

Richard P. Baum, MD, PhD

Chairman and Clinical Director,
Department of Nuclear Medicine / Center for PET/CT
Zentralklinik Bad Berka
Theranostics Center for Molecular
Radiotherapy and Imaging
Bad Berka, Germany

Rob Beanlands, MD, FRCPC, FACC

Professor of Cardiology and Radiology
Vered Chair and Chief
Division of Cardiology
Director, National Cardiac PET Centre
University of Ottawa Heart Institute
Ottawa, Canada

Frank M. Bengel, MD

Professor and Director, Department of Nuclear Medicine
Hannover Medical School
Hannover, Germany

Peter L. Choyke, MD, FACR

Program Director, Molecular Imaging
Senior Investigator and Head of Imaging Section
National Cancer Institute
Bethesda, Maryland

Heather A. Jacene, MD

Assistant Professor of Radiology
Harvard Medical School and Dana Farber
Cancer Institute
Senior Physician and Clinical Director,
Nuclear Medicine/PET-CT
Harvard Medical School
Boston, Massachusetts

Val J. Lowe, MD, FACS

Professor of Radiology
Division of Nuclear Medicine
The Mayo Clinic
Director, Mayo Clinic Molecular Imaging
Director, Imaging Program in the Mayo Clinic
Comprehensive Cancer Center
Rochester, Minnesota

David A. Mankoff, MD, PhD

Professor of Radiology
Chief, Division of Nuclear Medicine and
Molecular Imaging
University of Pennsylvania
Philadelphia, Pennsylvania

Jonathan E. McConathy, MD, PhD

Associate Professor and Director,
Division of Molecular Imaging and Therapeutics
University of Alabama at Birmingham
Birmingham, Alabama

Richard L. Wahl, MD

Elizabeth Mallinckrodt Professor of Radiology
Chairman, Department of Radiology
Director, Mallinckrodt Institute of Radiology
St. Louis, Missouri

Co-Director

Julia W. Buchanan, BS

Department of Radiology and Radiological Science
Division of Nuclear Medicine and Molecular Imaging
Johns Hopkins University School of Medicine

Johns Hopkins Speakers

David S. Cooper, MD

Professor of Medicine
Division of Endocrinology and Metabolism

Kelvin Hong, MD

Assistant Professor of Radiology and Radiological Science
Division of Cardiovascular and Interventional Radiology
Division Chief, Vascular and Interventional Radiology
Director, Interventional Radiology Center
Director, Fellowship Program

Sanjay K. Jain, MD

Associate Professor of Pediatrics
Infectious Diseases Director,
Center for Infection and Inflammation
Imaging Research

Mehrbod Som Javadi, MD

Assistant Professor of Radiology and Radiological Science
Division of Nuclear Medicine and Molecular Imaging
Director, Clinical Operations

Chiadikaobi U. Onyike, MD

Associate Professor of Psychiatry and Behavioral Sciences
Director, Johns Hopkins Frontotemporal Dementia and
Young-Onset Dementias Clinic

Kenneth J. Pienta, MD

Professor of Urology

Steven P. Rowe, MD, PhD

Assistant Professor of Radiology and Radiological Science
Division of Nuclear Medicine

Thomas H. Schindler, MD

Associate Professor of Medicine and Radiology and
Radiological Science
Director, Cardiovascular Nuclear Medicine

George Sgouros, PhD

Professor of Radiology and Radiological Science,
Oncology, and Radiation Oncology

Lilja B. Solnes, MD

Assistant Professor of Radiology and Radiological Science
Division of Nuclear Medicine

Daniel Y. Song, MD

Associate Professor of Radiation Oncology and Molecular
Radiation Sciences

Zsolt Szabo, MD, PhD

Professor of Radiology and Radiological Science
Division of Nuclear Medicine

Gordon F. Tomaselli, MD

Professor of Medicine
Division of Cardiology

Dean F. Wong, MD, PhD

Professor of Radiology
Division of Nuclear Medicine, Psychiatry and Behavioral Sciences

Harvey A. Ziessman, MD

Professor of Radiology and Radiological Science
Division of Nuclear Medicine

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To Register: Online: https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=6640

By fax: (866) 510-7088 By phone: (410) 502-9634

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue, Room 20, Baltimore, Maryland 21205-2195.

Include e-check or credit card information below.

FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.

I am a Johns Hopkins speaker for this activity.

Please type or print clearly:

Form with fields for last name, first name, m.i., highest degree, primary specialty, Hopkins faculty/staff only JHED ID, State License #, State of License, mailing address, city, state, ZIP, country, daytime telephone, fax number, e-mail (required).

Check here if you wish to receive e-mail notices about upcoming CME activities.

I plan to stay at the Pier 5 Hotel in Baltimore, Maryland.

What do you hope to learn by attending this activity?

Please notify us if you have any special needs.

Registration Fees:

- Physicians \$600
Residents*/Fellows*/Nurses/NPs/PAs/Allied Health Professionals \$500
*with verification of status

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on March 4, 2017, include a \$50 late fee. On-site registrations are payable only by credit card.

Total amount \$

Payment Type:

JHU Faculty/Staff Only: If you are using your Tuition Remission Benefit or an ION budget, please upload your fully completed and approved form in the payment section of the online activity link above.

- TR Form: http://benefits.jhu.edu/documents/trffacandstaff.pdf
ION Form: http://hopkinscme.edu/migration/IonRequest.pdf

e-Check: Routing #: Account #:

Credit Card: VISA MASTERCARD DISCOVER AMEX

Card # - - - Exp. Date

Billing Zip Code Security Code

Name on Card

Signature and Date



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Office of Continuing Medical Education
720 Rutland Avenue / Turner 20
Baltimore, Maryland 21205-2195

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