Third Theranostics World Congress on Gallium-68 and PRRT

March 12 - 14, 2015

Johns Hopkins University School of Medicine
Thomas B. Turner Building
Baltimore, Maryland

Department of Radiology and Radiological Science
Division of Nuclear Medicine

This activity has been approved for AMA PRA Category 1 Credits™.
This congress will provide updates on recent developments in the exciting field of Theranostics for Neuroendocrine Tumors (NETs), prostate cancer, and beyond. Experts from around the world will discuss their research and experience in this exciting field.

The increase in enthusiasm for $^{68}$Ga use over the last several years can be ascribed to several factors, some of which promise an increasing role for $^{68}$Ga as a tool in both diagnostic and therapeutic applications such as theranostics. The term “theranostics” symbolizes the inseparability of diagnosis and therapy and has a profound effect personalized disease management.

Although widely used in Europe, $^{68}$Ga PET radiopharmaceuticals have only been used in the U.S. in investigational trials under Investigational New Drug (IND) applications. With the potential of an approved agent available in the U.S. in the near future, this conference is particularly useful to those who are new to this class of agent and want to hear more about it. A team of experts from around the world will present their research and discuss updates in this exciting and evolving field. Presentations on clinical applications and patient advocacy are new to this Congress, providing a unique perspective for attendees.

The term THERANOSTICS epitomizes the inseparability of diagnosis and therapy, the pillars of medicine, and takes into account personalized management of disease for a specific patient. $^{68}$Ga-radiolabeled and therapeutically labeled somatostatin receptor ligands have been used to image neuroendocrine tumors (NETs) clinically in Europe for nearly a decade. Efforts to obtain approval of these ligands in the U.S. have increased in the past two years. With the potential of approved agents broadly available in the near future, this conference will be particularly useful to those who are new to $^{68}$Ga PET theranostic radiopharmaceuticals. NETs are just the beginning; experts will discuss new research in innovative applications for $^{68}$Ga PET radiopharmaceuticals, including PSMA and CXCR4 targeted imaging and therapy of prostate and other cancers.

TARGET AUDIENCE

This Congress is intended for physicians, chemists, physicists, technologists, and all scientists and clinicians interested in translational research and current state-of-the-art molecular imaging using $^{68}$Ga PET radiopharmaceuticals and radionuclide therapy.

OBJECTIVES

After attending this activity, the participant will demonstrate the ability to:
• Effectively use $^{68}$Ga in their clinical or research setting.
• Interpret and report the imaging studies with greater confidence.
• Perform state-of-the-art diagnostic and therapeutic procedures.

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Johns Hopkins University School of Medicine and the Society of Nuclear Medicine and Molecular Imaging (SNMMI). The Johns Hopkins University School of Medicine is accredited by the 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 18.75 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 18.75 contact hours for non-physicians. Continuing Medical Education credit is being requested from other applicable medical specialty organizations.

Policy on Speaker and Provider Disclosure

It is the policy of the Johns Hopkins University School of Medicine and the Society of Nuclear Medicine and Molecular Imaging that the speaker and provider disclose real or apparent conflicts of interest relating to the topics of this educational activity, and also disclose discussions of unlabeled/unapproved uses of drugs or devices during their presentation(s). 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 activity handout materials.
GENERAL INFORMATION

A hospitality desk will be available at the Marriott Waterfront Hotel on Wednesday evening, March 11, 5:00-8:00 p.m., for questions, directions, shuttle information or pre-registration.

Registration

7:00 - 8:00 a.m., March 12, 2015

The registration desk will remain open throughout the entire program.

Location

Thomas B. Turner Building
Johns Hopkins University School of Medicine
720 Rutland Avenue, Ground Floor
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 and travel section at www.HopkinsCME.edu. Handicapped parking is available in the nearby Rutland Garage. Complimentary round-trip transportation for attendees staying at conference headquarters hotel will be provided. Johns Hopkins is smoke-free.

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

Fees

REGISTRATION CUT-OFF DATE: March 7, 2015

Methods of Payment: Payment by check or credit card must accompany the registration form prior to the activity. On-site payments by credit card only. Foreign payments must be by credit card or with a U.S. Dollar World Money Order. The registration fee includes instructional materials, continental breakfasts, refreshment breaks, lunches and gala dinner.

Physicians..................................................................................................................$725
Resident/Fellow/Technologist/Allied Health Professional*...............................$625
*with verification of status

You will receive a confirmation by e-mail if you have provided your e-mail address. Otherwise, confirmation will be sent by mail. If you have not received it by March 7, 2015, call (410) 502-9634 to confirm that you are registered. A certificate of attendance will be sent by April 28, 2015 to the e-mail address you provide on the registration form.

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 7, 2015. A handling fee of $50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by March 7, 2015. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins conference in lieu of cancellation is not possible.

Social Event

A Gala Dinner for registrants and faculty will be held on Thursday evening, March 12, 2015 from 6:30 - 9:30 p.m. at the Baltimore and Ohio (B&O) Railroad Museum. Transportation to/from the hotel will be provided. Please indicate your attendance on the registration form. Guests are invited to attend at an additional charge of $140. NOTE: The commercial support received is solely for the educational component of this activity and will not be used to support this social event.

Hotel and Travel Information

Baltimore Marriott Waterfront Hotel                (800) 228-9290
700 Aliceanna Street                  (410) 385-3000
Baltimore, Maryland 21202                 FAX: (410) 385-0330
Web Site: www.baltimoremarriottwaterfront.com

HOTEL RESERVATION CUT-OFF DATE: FEBRUARY 11, 2015

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

The Baltimore Marriott Waterfront Hotel is Baltimore’s only waterfront hotel. This full-service 32-story landmark is located near all of the Inner Harbor attractions. Make your reservation online at https://resweb.passkey.com/go/NuclearMedicineWorldCongress or call the hotel directly and specify that you are
attending the Johns Hopkins Nuclear Medicine Conference to receive the special group rate of $164 USD, single or double, plus tax. Complimentary roundtrip transportation will be provided. On-site parking is available at an additional charge. Check-in time is 4:00 p.m. Check-out time is 12:00 p.m.

Evaluation
A form will be available to attendees to evaluate each session and each speaker’s presentation, as well as to identify future educational needs.

Outcomes Survey
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 attendee’s practice.

Emergency Calls
On March 12 – 14, 2015, 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 and the Society of Nuclear Medicine and Molecular Imaging fully comply with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.

Getting Here / Travel Information
By Air:
Baltimore is served by three major airports: Baltimore/Washington International Airport (BWI) in Maryland; Washington Dulles International Airport (IAD) and Ronald Reagan National Airport (DCA) in Northern Virginia.

BWI boasts:
344 nonstop departures
644 average daily arrivals and departures
55 carriers, including Southwest, AirTran, American, Continental, Delta, Northwest, US Airways and United
Daily nonstop international service to destinations including London and Toronto.

Dulles Airport:
Distance to Baltimore is approximately 61 Miles
Super Shuttle: $150 from Dulles to downtown Baltimore
Taxi: $150 from Dulles to downtown Baltimore

Reagan National:
Distance to Baltimore is approximately 42 Miles
Super Shuttle: $140 from DCA to Baltimore
Taxi: $140 from DCA to downtown Baltimore

Baltimore Transportation Getting to and From the Airport:
BWI Airport: Taxi service to downtown Baltimore is 15-30 minutes depending on traffic and approximately $35 one way.
Super Shuttle: Super Shuttle charges less than $20 one way and reservations are needed. Reservations can be made online at http://www.supershuttle.com/ or call 410-859-3427.

By Rail:
Baltimore is easily accessible by train. Amtrak trains run 24 hours a day, seven days a week. Baltimore is a major stop for Amtrak’s high-speed Acela Express service.

Baltimore’s Penn Station is one of Amtrak’s busiest stations, serving more than 932,800 guests each year. Penn Station is easily accessible by I-95, I-83 and I-70. Amtrak offers special group fares. Call 800-USA-RAIL or visit www.amtrak.com for further information.

Acknowledgement
Applications for commercial support from healthcare-related industries are pending. A complete list of contributors 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.
Program

There will be time for questions following each presentation.

Thursday, March 12, 2015

7:00 – 8:00  Registration and Continental Breakfast - Johns Hopkins Turner Building

8:00 – 8:30  Opening Ceremony and Conference Goals

8:00  Opening Remarks
Richard L. Wahl (USA)

8:10  Pre-Clinical Spotlight
Hans-J. Wester (GER)

8:20  Clinical Spotlight
Richard Baum (GER)

8:30 – 9:30  Scientific Session 1 – 68Ge/68Ga Generators, Post-Processing and Synthesis Modules
Chairpersons: Frank Roesch (GER) and Michael Schultz (USA)

8:30  Generators and Tracer Production
Irina Velikyan (SWE)

9:00  Development of a 68Ga-ranatensin Analog for Bombesin Receptors in PET Molecular Imaging
Clement Morgat (FRA)

9:15  Ethanol Post-Processing of 68Ga Eluates for Preparation of 68Ga-Radiopharmaceuticals
Elizabeth Eppard (GER)

9:30 – 10:00  Coffee and Trade Exhibits

10:00 – 11:30  Scientific Session 2 – Chemistry: Chelators and Labeling Chemistry for Theranostic Isotopes
Chairperson: Henry VanBrocklin (USA) and Hans-J. Wester (GER)

10:00  State of the Art – Chelators
Johannes Notni (GER)

10:30  One-Step, Mild Efficient 68Ga “Cold” PET Kits: Performance Characteristics and Robustness of tris(hydroxypyridinone) Chelators
Jennifer Young (UK)

10:45  New Bifunctional tris(hydroxypyridinone) Chelators for Rapid Labelling with 68Ga: Conjugates with SSTR2 and αvβ3-Targeting Peptides
Michelle Ma (UK)

11:00  Rapid 68Ga-Radiolabeling of Proteins in Mild Conditions Exploiting a Novel tris(hydroxypyridinone) Bifunctional Chelator
Cinzia Imberti (UK)

11:15  Shortcut to High-Affinity 68Ga and 64Cu Radiopharmaceuticals: One-pot Click Chemistry Trimerisation on the TRAP Platform
Johannes Notni (GER)

11:30 – 12:45  Lunch and Trade Exhibits - Gallium Users Group Meeting

12:45 – 13:15  Plenary Address – Jean-Claude Reubi (GER): Peptide Membrane Receptors as Targets in Cancer

13:15 – 14:30  Scientific Session 3 – Theranostic Targeting Vectors (I)
Chairpersons: Thomas Quinn (USA) and Konstantin Zhernosekov (GER)

13:15  Radiopeptides Targeting GCPR Agonists and Antagonists
Sridhar Nimmagadda (USA)

13:45  Requirements on Specific Activity (SA) for 177Lu to Radiolabel DOTATATE of PRRT
Woeter AP Breeman (NED)

14:00  68Ga-Aquibeprin and 68Ga-Avebetrin for Complementary, Selective PET-Imaging of Integrin Subtypes α5β1 and αvβ3
Johannes Notni (GER)

14:15  Initial Evaluation of 68Ga-dota-en-pba as a PET Imaging Reporter
Penelope Bouzioti (GRE)

14:30 – 14:45  Coffee and Trade Exhibits

14:45 – 16:45  Scientific Session 4 – Theranostic Targeting Vectors (II)
Chairpersons: Cathy Cutler (USA) and Sridhar Nimmagadda (USA)
Chemokine Receptor Type 4 (CXCR4) Targeted Agents for Imaging and Therapy  
Hans-J. Wester (GER)

15:15 A DOTA Based Bisphosphonate with an Albumin Binding Moiety for Delayed Body Clearance in Bone Targeting Radiotherapy  
Marian Meckel (GER)

15:30 Novel Radiopharmaceutical and Preclinical Aspects of $^{68}$Ga-UBI: A Selective PET Tracer for Imaging Infection  
Thomas Ebenhan (ZAF)

15:45 $^{68}$Ga-Labeled PSMA Derivatives (tentative)

16:15 A DOTA-Zoledronate Conjugate for PET-Diagnosis and Endoradiotherapy of Bone Metastases  
Marian Meckel (GER)

16:30 Design and Synthesis of $^{68}$Ga-based Ligand for ER+ Tumor Imaging  
Anupama Datta (IND)

16:45 – 17:45 Poster Presentations

18:30 – 21:30 Welcome Gala at the B&O Railroad Museum

FRIDAY, MARCH 13, 2015

17:00 – 18:00 Registration and Continental Breakfast - Johns Hopkins Turner Building

8:00 – 8:30 PLENARY ADDRESS – Ralph Hruban (USA): Genetic Alterations in NETs

8:30 – 10:00 Scientific Session 5 – Established and Innovative Applications for Diagnosis  
Chairpersons: Mike Sathekge (ZAF) and Feng Wang (CHI)

8:30 Bringing New Light to Old Tracers with $^{68}$Ga: Galligas, MAA, and EDTA  
Michael Hofman (AUS)

9:00 Chemokine Receptor Type 4 (CXCR4) Targeting in Lymphoproliferative Diseases  
Ulrich Keller (GER)

9:30 Evaluation of DOTA-TOC PET/MRI Combined with Gadoxetate Enhanced MRI for the Evaluation of Neuroendocrine Tumors  
Thomas Hope (USA)

9:45 Can $^{68}$Ga-DOTATATE Replace $^{18}$F-FDG PET/CT for Detection of Bone Metastases in Small-Cell Lung Cancer?  
Wei Shang (CHI)

10:00 – 10:15 Coffee and Trade Exhibits

10:15 – 12:00 Scientific Session 6 – Targeting Prostate Cancer: Imaging and Therapy  
Chairpersons: Richard Wahl (USA) and Feng Wang (CHI)

10:15 Targets for Prostate Cancer Imaging: Focus on PSMA  
Martin Pomper (USA)

10:45 Theranostics of Prostate Cancer and Lutetium-labeled PSMA  
Richard Baum (GER)

11:15 $^{44}$Sc and $^{177}$Lu-labeling of DOTA-PSMA DKFZ-617 for Dosimetry and Therapy of Prostate Cancer  
Elisabeth Eppard (GER)

11:30 A Preclinical Comparative Study of $^{68}$Ga-Labeled DOTA, NOTA and HBED-CC Chelated PSMA-targeted Radiotracers  
Sangeeta Ray (USA)

11:45 – 13:00 Lunch and Trade Exhibits

12:00 – 13:00 Satellite Meeting - Johns Hopkins Tilghman Auditorium  
This session is not eligible for AMA PRA Category 1 Credit™.

13:00 – 14:30 Scientific Session 7 – Targeting Prostate Cancer: Imaging and Therapy  
Chairpersons: Martin Pomper (USA) and John Babich (USA)

13:00 Radio-Nanomedicine as the Basis of Next Generation Theranostics  
Dong Soo Lee (KOR)

13:30 Role of $^{68}$Ga PSMA PET/CT in Recurring and Metastatic Prostate Cancer  
Harshad Kulkarni (GER)
12:00 – 13:00 **Lunch and Trade Exhibits**

13:00 – 15:00 **Scientific Session 11 – How to Deliver Theranostics**  
*Chairpersons: Baljinder Singh (IND) and Erik Mittra (USA)*

13:00 Updates from Clinical Trials  
Lisa Bodei (ITA)

13:25 PRRT and Theranostics in Children  
Sue O’Dorisio (USA)

13:50 PRCRT = Chemotherapy + Peptide Receptor Chemoradioactive Therapy  
Michael Hofman (AUS)

14:20 – 15:00 **Congress Highlights and Looking to the Future:**  
Richard Baum and Frank Roesch

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**CLOSING COMMENTS**

**ANNOUNCEMENT OF THE NEXT CONGRESS**

“4th Theranostics World Congress on 68Ga and Peptide-related Radionuclide Therapy”  
Melbourne, Australia • November 2016  
*Michael Hofman (AUS) and Richard Baum (GER)*

Please complete and return the Evaluation and Credit Report Forms. 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.

**SPEAKERS**

- Richard Baum (GER)
- Lisa Bodei (ITA)
- Ebrahim delPassand (USA)
- Michael Graham (USA)
- Michael Hofman (AUS)
- Ralph Hruban (USA)
- Ulrich Keller (GER)
- Michael Lassmann (GER)
- Dong Soo Lee (KOR)
- Josh Mailman (USA)
- Yusuf Menda (USA)
- Erik Mittra (USA)
- Sridhar Nimmagadda (USA)
- Johannes Notni (GER)
- Sue O’Dorisio (USA)
- Thomas O’Dorisio (USA)
- Giovanni Paganelli (ITA)
- Martin Pomper (USA)
- Jean-Claude Reubi (GER)
- Dwaine Rieves (USA)
- Irina Velikyan (SWE)
- Richard Wahl (USA)
- Ron Walker (USA)
- Hans-J. Wester (GER)

**TO REGISTER or FOR FURTHER INFORMATION**

- Register Online (credit card and eCheck)  
  www.HopkinsCME.edu
- Register by Phone (credit card only)  
  (410) 502-9636
- Register by Fax  
  (866) 510-7088
- Confirmation / Certificates  
  (410) 502-9636
- General Information  
  (410) 955-2959
- E-mail the Office of CME  
  cmenet@jhmi.edu
- Follow us on Twitter: http://twitter.com/HopkinsCME
- Facebook: http://www.facebook.com/HopkinsCME
- For general information, the direct link for this CME activity web page is:  
  http://www.hopkinscme.edu/CourseDetail.aspx/80034404
THIRD THERANOSTICS WORLD CONGRESS ON GALLIUM-68 AND PRRT  
March 12 - 14, 2015  

To Register: Online (credit card and eCheck): By fax: (866) 510-7088  
By phone (credit card only): (410) 502-9636  
Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, P.O. Box 64128, Baltimore, Maryland 21264-4128. Include check payable to HOPKINS/80034404, or include credit card information below.  

PAYMENT MUST ACCOMPANY FORM TO CONFIRM YOUR REGISTRATION.  

Please type or print clearly:  

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You will receive a confirmation notice and your attendance certificate by e-mail if you provide your e-mail address.  

☐ I plan to stay at the Baltimore Marriott Waterfront Hotel, in Baltimore, Maryland.  

**Dinner Gala**  
B&O Railroad Museum • Thursday, March 12, 2015 • 6:30 - 9:30 p.m.  

☐ I will attend  
☐ I will bring a guest @ $140  

What do you hope to learn by attending this activity?  
___________________________________________________________________  
___________________________________________________________________  

Please notify us if you have any special needs.  
___________________________________________________________________  

**Registration Fees:**  
☐ Physicians ........................................................................................................................................................ $725  
☐ Resident/Fellow/Technologist/Allied Health Professional* .......................................................................... $625  
*with verification of status  
☐ Dinner Gala Guest ........................................................................................................................................... $140  

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on March 7, 2015, include a $50 late fee. On-site registrations are payable only by credit card.  

Total amount enclosed $ ___________.  

Payment Type:  

☐ Check (See instructions on top of form.)  
☐ Credit Card: ☐ VISA ☐ MASTERCARD ☐ DISCOVER ☐ AMEX  
Card #: _________ - _________ - _________ - _________ Exp. Date _________  

Name on Card ____________ Date ____________  

Please note: International registrants wishing to pay by bank wire. Please return this form, along with wire detail confirmation to the address above. Bank wired payments cannot be accepted through online registration. Bank details are available on the conference website.