



# Interventional Molecular Imaging

*Symposium and Hands-on sessions*

## Dates

April 10-11 2015

## Venue

Leiden University Medical Center  
Albinusdreef 2  
2300 RC Leiden  
The Netherlands

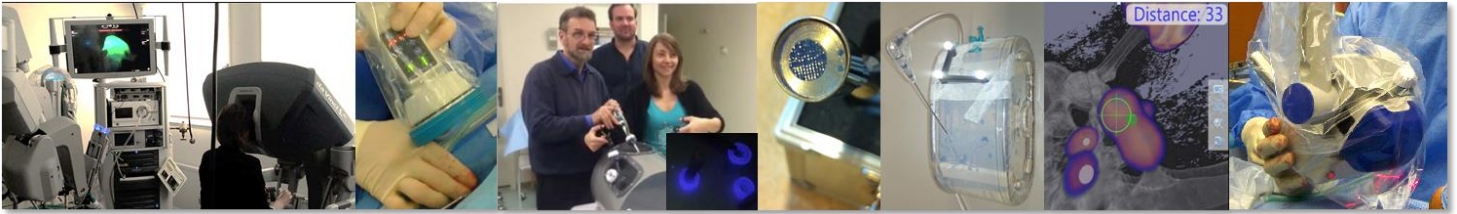
## Contact

stafsecretariaatradiologie@lumc.nl



**EU CME accreditation: application pending**





### Congress chairs

- Fijs W.B. van Leeuwen, PhD
- Arian R. van Erkel, MD, PhD
- Renato A. Valdés Olmos, MD, PhD

### Aim of the Interventional Molecular Imaging event

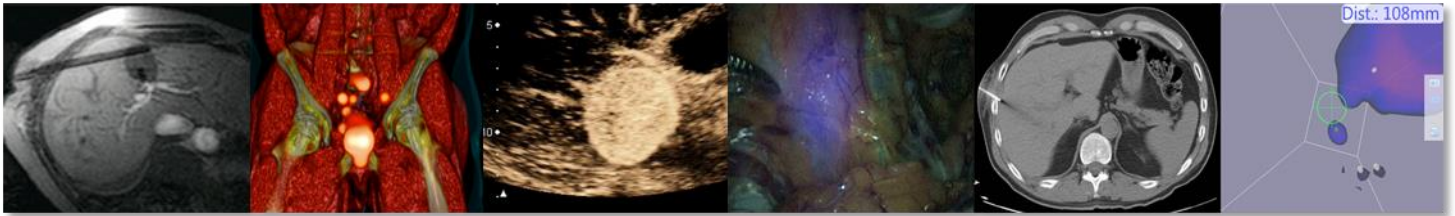
The two-day event will cover the (clinical) state-of-the-art in image-guided interventions. Through the combined set-up, interventions in interventional radiology, radioguided surgery and fluorescence-guided surgery will be covered. We aim to educate the participants on the variety of the available image-guidance technologies and discuss their potential in clinical practice.

Didactic activities are coupled to a number of hands-on sessions that will allow clinicians and researchers to “experience” hands-on what commercially available image guidance technologies have to offer and how they may be implemented in the routine clinical workflow.

### Learning goals

Upon completion of this meeting the attendee will be able to:

1. Evaluate the role of interventional molecular imaging in diagnosis and therapy of patients;
2. Indicate the scope and limitations of the various surgical guidance modalities (radiological, nuclear medicine, and optical);
3. Describe the various techniques that are available for image-guided interventions and assess how they can be used in a clinical setting;
4. Establish which criteria (handling, physics and associated-costs) are instrumental for the selection of an imaging modality for a particular clinical application;
5. Evaluate (criticize and assess) the clinical application of (new) interventional imaging research lines;
6. Indicate the value of targeted tracers to identify malignancies in both diagnosis and during an intervention via a:
  - a. radioguided approach;
  - b. optical imaging based approach (fluorescence or Cherenkov).



### Poster session

The poster session on Friday afternoon is aimed to encourage discussions between the participants of the congress. Such discussions can provide a basis for (research) collaborations between the participants with a different background.

Please submit a 300-word abstract (structure: introduction, purpose/aim, material and methods, results and conclusion/discussion) to [N.S.van\\_den\\_Berg@lumc.nl](mailto:N.S.van_den_Berg@lumc.nl) before **March 15<sup>th</sup> 2015**. Notification of abstract acceptance will be sent out on March 22<sup>nd</sup> 2015.

### Target audience

- (Intervention) Radiologists;
- Nuclear Medicine Physicians;
- Surgeons, Urologists, Gynecologists;
- Residents, trainees, PhD students, post-docs and technicians interested in the field of image-guided interventions;
- Engineers;
- Researchers interested or practicing in any of the above-mentioned fields.

### Certificate of attendance

Upon request, participants receive a certificate of attendance upon completion of the meeting.

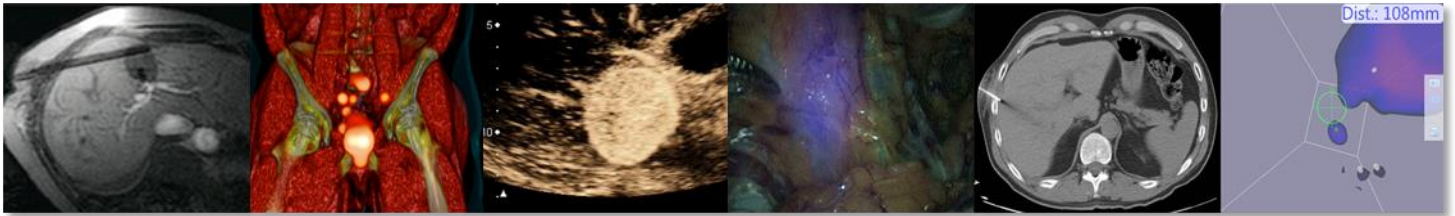
### Confirmed industrial partners

- SurgicEye, Munich, Germany;
- Hamamatsu Photonics, Herrsching, Germany;
- Eurorad S.A., Eckbolsheim, France;
- Karl Storz GmbH & Co. KG, Tuttlingen, Germany;
- Oncovision, Valencia, Spain;
- GE Healthcare, Hoevelaken, The Netherlands;
- Intuitive Surgical, Sunnyvale, CA, United states.
- Lightpoint Medical, Rickmansworth, United Kingdom

*Note: Hands-on sessions are supported by the industrial partners listed. The schedule, with signing-up possibilities, will be made available at a later stage.*

### This symposium is supported by:

- EANM translational molecular imaging committee;
- Radioguided surgery network;
- The EAU robotic urology society of the European Association of Urology.



**PRELIMINARY PROGRAM**

**FRIDAY April 10<sup>th</sup> 2015 – 12.30pm-7pm**

- |                 |   |
|-----------------|---|
| 11am – 12.30pm  | <b>Registration</b>   |
| 12.30 – 12.45pm | <p><b>Welcome and radioguided surgery session introduction</b><br/> <i>Renato Valdes Olmos, MD, PhD; Fijs W.B. van Leeuwen, PhD;<br/> and Arian van Erkel, MD, PhD (Department of Radiology, Leiden University Medical Center, Leiden, The Netherlands)</i></p> |
| 12.45 – 1.15pm  | <p><b>PSMA guided resection of metastatic prostate cancer lesions</b><br/> <i>Tobias Maurer, MD, PhD (Department of Urology, Klinikum rechts der Isar, Technical University of Munich, Munich, Germany)</i></p>   |
| 1.15 – 1.45pm   | <p><b>Radioguidance technologies for gynecological applications</b><br/> <i>Sergi Vidal-Sicart, MD (Department of Nuclear Medicine, Hospital Clinic Barcelona)</i></p>  |
| 1.45 – 2.15pm   | <p><b>Use of iodine seeds as guidance method during a neo-adjuvant treatment protocol for breast cancer</b><br/> <i>Marie-Jeanne Vrancken Peeters, MD, PhD (Department of Surgery, Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands)</i></p>         |
| 2.15 – 2.45pm   | <p><b>Cerenkov imaging for surgical guidance</b><br/> <i>Jan Grimm, MD, PhD (Department of Radiology, Memorial Sloan-Kettering Cancer Center, New York City, NY, United States)</i></p>   |
| 2.45 – 3.30pm   | <b>Coffee break – discussion – poster walk – visit industry booths</b>  |



**PRELIMINARY PROGRAM**

- 3.30 – 3.45pm      **Interventional radiology session introduction**  
*Arian van Erkel, MD, PhD; Fijs W.B. van Leeuwen, PhD; and Renato Valdes Olmos, MD, PhD (Department of Radiology, Leiden University Medical Center, Leiden, The Netherlands)*
- 3.45 – 4.15pm      **Use of 3D imaging technologies during needle based interventions**  
*Marco van Strijen, MD, PhD (Department of Radiology, St. Antonius Hospital, Nieuwegein, The Netherlands)*
- 4.15 – 4.45pm      **Ultrasound based navigation to enable ablation of lesions in the liver**  
*Mark Burgmans, MD (Department of Radiology, Leiden University Medical Center, Leiden, The Netherlands)*
- 4.45 – 5.15 pm      **Hybrid CT and angiography in interventional radiology**  
*Bien Soo Tan, MD, PhD (Department of Diagnostic Radiology, Singapore General Hospital, Singapore)*
- 5.15 – 5.45pm      **What do we need to make new technologies for image-guided interventions commercially interesting**  
*Jonathan Sorger, PhD (Intuitive Surgical Inc., Sunnyvale, CA, United States)*
- 5.45 – 7pm          **Poster session + social event**





**PRELIMINARY PROGRAM**

**SATURDAY April 11<sup>th</sup> 2015 – 9am-5pm**

- 9 – 9.15am                    **Welcome and fluorescence-guided surgery session introduction**  
*Fijs W.B. van Leeuwen, PhD; Renato Valdes Olmos, MD, PhD; and Arian van Erkel, MD, PhD (Department of Radiology, Leiden University Medical Center, Leiden, The Netherlands)*
- 9.15 – 9.45am                **First-in-human experience fluorescence based C-Met imaging during colonoscopy**  
*James Hardwick, MD, PhD (Department of Gastroenterology, Leiden University Medical Center, Leiden, The Netherlands)*
- 9.45 – 10.15am              **Fluorescence guidance during laparoscopic robot-assisted procedures**  
*Henk G. van der Poel, MD, PhD (Department of Urology, Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands)*
- 10.15 – 10.45am             **Fluorescence guidance in gynecology**  
*Alexander L. Vahrmeijer, MD, PhD (Department of Surgery, Leiden University Medical Center, Leiden, The Netherlands)*
- 10.45 – 11.15am            **Sentinel node procedure for melanoma patients**  
*Omgo E. Nieweg, MD, PhD (Melanoma Institute Australia, Sydney, NSW, Australia)*
- 11.15am – 1pm                **Lunch break – discussion – poster walk – visit industry booths**
- 1 – 2.30pm                    **First dedicated section for hands-on sessions in radioguided surgery, interventional radiology and fluorescence-guided surgery. (Prior to the start of the event participants get the chance to sign up for the hands-on sessions)**



**PRELIMINARY PROGRAM**

**Switch**

2.30 – 4pm

**Second dedicated section for hands-on sessions in radioguided surgery, interventional radiology and fluorescence-guided surgery.**

4.00 – 5pm

**Closure – drinks – visit industry booths**

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RADIO  
GUIDE  
[www.radioguidedsurgery.net](http://www.radioguidedsurgery.net)

**EANM**  
European Association of Nuclear Medicine  
Translational  
Molecular  
Imaging  
Committee

**IM-LAB**  
[www.InterventionalMolecularImaging.com](http://www.InterventionalMolecularImaging.com)

# REGISTRATION FORM



## INTERVENTIONAL MOLECULAR IMAGING WORKSHOP

### Leiden University Medical Center (LUMC)

Leiden, The Netherlands, April 10-11 2015

- MR      MRS      MISS  
MD      MD PhD      PhD      Other

FAMILY NAME:

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FIRST NAME:

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HOSPITAL OR INSTITUTION:

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DEPARTMENT:

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ADDRESS:

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ZIP CODE:

CITY:

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COUNTRY:

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PHONE:

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MOBILE:

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FAX:

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E-MAIL:

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SPECIALITY:

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# REGISTRATION FORM



**REGISTRATION** (registration will only be finalized after receiving payment):

- Trainees/Technicians/PhD-students:** €100.00 (after March 15, €150.00) for full access to the symposium.
- Physicians:** €150.00 (after March 15, €200.00) for full access to the symposium.
- Allied health professionals:** €200.00 (after March 15, €250.00) for full access to the symposium.

**Payment should be done via a bank transfer:**

Bank name: ING

Account number: NL45 INGB 0000 6635 63 (BIC code: INGBNL2A)

Account name: SRG Univers Radiodiagnostiek Leiden Erasmuscursus te Leiden

Please mention: INTERVENTIONAL MOLECULAR IMAGING SYMPOSIUM

Please send your registration form to: [stafsecretariaatradiologie@lumc.nl](mailto:stafsecretariaatradiologie@lumc.nl)

You can also contact them with further questions.

Comments:

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

Registration Cancellation/Change Policy: Cancellation and change request must be received by March 15, 2015 to qualify for a refund less a €50.00 cancellation fee. No refunds will be issued for cancellation and changes received after March 15, 2015. Refunds will be processed based on the original form of payment within 30 days after the completion of the meeting. No shows will be charged the full registration fee. No refunds will be given for any reason after April 11, 2015.

# REGISTRATION FORM HANDS-ON SESSIONS



Registered participants of the meeting can register for one or more of the hands-on sessions (contact: Nynke van den Berg ([N.S.van den Berg@lumc.nl](mailto:N.S.van_den_Berg@lumc.nl))). Registration will be on a first-come-first-serve basis.

Please fill in below which hands-on sessions you would like to register for.

- Portable gamma camera technologies for radioguided surgery (in co-organization with Oncovision);
- Ultrasound and radioguided-based navigation (declipseSPECT) technologies (in co-organization with SurgicEye);
- A hybrid tracing technology for combined gamma- and near infrared fluorescence tracing (in co-organization with Eurorad);
- Near-infrared fluorescence guidance during endoscopic applications (in co-organization with KARL STORZ Endoskope);
- Near-infrared fluorescence guided surgery for open surgery procedures (in co-organization with Hamamatsu Photonics);
- Robot-assisted near-infrared fluorescence guided surgery using the da Vinci platform (in co-organization with Intuitive Surgical)
- Ultrasound-guided interventional radiology: Needle placement using a navigation option (in co-organization with GE Healthcare).