

First announcement

# INTERNATIONAL SYMPOSIUM Quantification in Medical and Preclinical Imaging: state of the art and future developments

**Date:** 20, 21 and 22 September 2016

**Location:** University Medical Center Groningen,  
Groningen, the Netherlands  
Fonteinpatio  
Lectures: Red Hall / Rode Zaal,  
Onderwijscentrum

**Information:** [symposiumMIC@umcg.nl](mailto:symposiumMIC@umcg.nl)



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The Medical Imaging Center of the University Medical Center Groningen, consisting of the Departments of Nuclear Medicine & Molecular Imaging and Radiology, cordially invites you to join the International Symposium “Quantification in Medical and Preclinical Imaging: state of the art and future developments” to be held in Groningen, the Netherlands, on September 21st to 22nd, 2016.

During the symposium the focus will be on quantification looking at state of the art technology, future developments and both clinical and preclinical applications of all imaging technologies, such as SPECT/CT, PET/CT, PET/MRI, MRI, CT and optimal imaging,

Moreover, an international panel of experts, coming from different fields, will discuss use of these technologies in a quantitative and hybrid setting, thereby referring to the convergence of imaging departments into one center in the Netherlands. In addition, the need for quantification and standardization as prerequisite for making medical imaging the cornerstone of precision medicine will be emphasized.

The international symposium will thus detail these trends from all the different aforementioned perspectives. Therefore, the symposium provides a unique platform for all involved in hybrid and quantitative medical imaging as well as those interested in technology development to be updated on the latest developments, to envision the future, to account for the implications from different angles of view and to develop an opinion through the expert lectures and discussion with peers.

Groningen itself is well worth a visit. A cozy green city with a population of 190.000, an old university from 1640 ranking among the top 100 in the world, and a large modern hospital of over 1300 beds. A city that is famous for its bicycles, the means of transport. All hotels are in the centre of the city and the congress venue in the university hospital is within a walking distance of maximum 15 minutes.

On behalf of the organizing committee it is my pleasure to welcome you in Groningen for this symposium.

**Prof.dr. Ronald Boellaard, symposium president.**



## PRELIMINARY PROGRAM OUTLINE

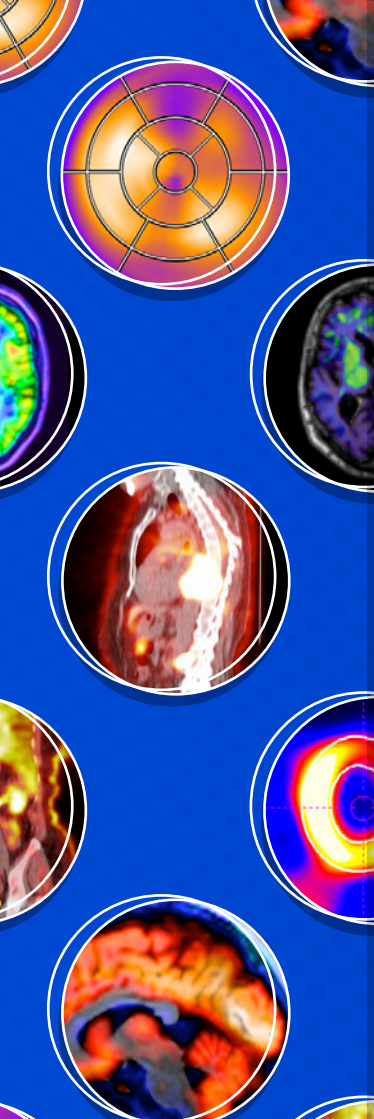
During this international symposium all medical and preclinical imaging modalities, such as PET, SPECT, MRI, CT, ultrasound, optical Imaging, bone densitometry and preclinical imaging technologies, will be addressed with attention for:

- (Quantitative) medical imaging technology – state of the art
- (Quantitative) medical imaging technology – future developments
- Optical imaging
- Multimodality and hybrid imaging
- Medical imaging informatics
- Advances in medical image quantification
- Imaging biomarker development
- Quantification in preclinical imaging
- Clinical applications of quantitative and hybrid medical imaging, e.g. in oncology, cardiology, neurology & psychiatry and others
- Role of imaging in radiotherapy, including proton therapy

In addition during the conference time will be reserved for a young investigator poster session and posters will be put up during the duration of the entire symposium. Three best poster prizes will be awarded to the first author of the scientifically most interesting and best presented posters.

During the coffee, tea and lunch breaks there will be ample time to visit the commercial exhibition, view the scientific posters and to network with your colleagues. In addition, a conference dinner on Wednesday evening and a closing reception on Thursday afternoon will be provided to all attendees.

It is a pleasure to announce that the Willem Vaalburg lecture will be presented by prof.dr. A.A. Lammertsma



## ADDITIONAL INFORMATION

**Who should attend** The symposium has special relevance for physicians, medical imaging specialists, (medical) physicists and scientists with an interest in medical and preclinical imaging, both from the field of radiology and nuclear medicine.

For suggestions for accommodation please visit:  
<http://toerisme.groningen.nl/over-groningen/vvv-informatie/vvv-stad-groningen>

**Objectives** After attending the Symposium, participants will have:

- Understanding of the current state of the art and future directions in quantitative medical imaging
- Knowledge of new medical and preclinical imaging equipment technologies
- Application of new technologies and quantitative medical imaging for clinical and preclinical studies

**Information** [symposiumMIC@umcg.nl](mailto:symposiumMIC@umcg.nl)

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