

FINAL ANNOUNCEMENT
INTERNATIONAL SYMPOSIUM

MOLECULAR IMAGING AGENTS IN MEDICINE



FEBRUARY 13TH TO 15TH, 2017 | GRONINGEN, THE NETHERLANDS

Post Congress “Photopharmacology” February 16th, 2017

HIGHLIGHTS

Lecture by Nobel prize winner B.L. Feringa

Wijnberg Lecture by T. Ritter

Vaalburg Lecture by V. Ntziachristos



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MOLECULAR IMAGING AGENTS IN MEDICINE

INTERNATIONAL SYMPOSIUM
MONDAY-WEDNESDAY 13-15TH FEBRUARY 2017
UNIVERSITY MEDICAL CENTER GRONINGEN, THE NETHERLANDS

Dear Sir, Madam,

We cordially invite you to join the International Symposium on:

MOLECULAR IMAGING AGENTS IN MEDICINE
to be held in Groningen, the Netherlands, on February 13th to 15th, 2017
and the Post Congress "Photopharmacology" on February 16th, 2017

Only 200 places available. First come, first serve.

Accreditation has been granted by the following Dutch organizations: NVNG, NVvR

Issues addressed during this symposium are:

1. **For chemists, pharmacists and biologists:** the present state-of-the-art of molecular imaging agents, work-in-progress and future developments.
2. **For medical specialists:** developments in a wide range of molecular imaging agents as an add-on to state-of-the-art (hybrid) preclinical and clinical imaging facilities.

HIGHLIGHTS

1. An **international panel of experts** from different fields in clinic and research (imaging specialists, clinicians, biologists, chemists, pharmacists) will discuss recent developments and future perspectives.
2. A lecture by **Ben Feringa, Winner of the Nobel prize in Chemistry 2016**.
3. The **Wijnberg and Vaalburg Lectures** will honor pioneers in the field.
4. **Poster sessions** allowing all participants to present recent work. An independent committee will select 3 **prize winners** of the best scientific works.
5. A **post-congress** on day 4 on "Photopharmacology", which may be attended **free** of charge.
6. A symposium set-up allowing for much informal interaction and discussion amongst participants and speakers.
7. An exhibition allowing interaction with representatives of leading industries in the field.

Kind regards,

Honorary president of the Symposium :
B.L. Feringa, Nobel Prize winner

The local organizing committee :

H.H. Boersma
R.J.H. Borra
G.M. van Dam
R.A.J.O. Dierckx
P.H. Elsinga
B.L. Feringa

A.M.J. Paans
S.L.H. Schouwenburg
R.H.J.A. Slart
P.E. Sijens
W. Szymanski



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PROGRAM INTERNATIONAL SYMPOSIUM

MONDAY-WEDNESDAY 13-15TH FEBRUARY 2017

UNIVERSITY MEDICAL CENTER GRONINGEN, THE NETHERLANDS

LOCATION: FONTEINPATIO, UMCG

PLENARY LECTURES: RODE ZAAL, ONDERWIJSCENTRUM

PARALLEL LECTURES: RONDE ZAAL, RODE ZAAL, LOKAAL 16

DAY 1: ADDRESSING THE CLINICAL PROBLEMS: NEW CONCEPTS IN IMAGING AGENT DEVELOPMENT

8:00 Registration & Coffee and tea at the Industry exhibition

9:30 Formal welcome by R.A.J.O. Dierckx, Chair of the Medical Imaging Center, UMCG

9:40 Opening by M. Joëls, Dean of the University Medical Center Groningen
and Member of the Board of Directors

Session 1 : Clinical challenges

10:00 Clinical questions and problems of the future.
H.L. Ploegh, Boston, USA

10:40 Target finding and role of imaging agents in drug discovery.
R.S.N. Fehrmann, Groningen, NL

11:20 Why new tracers are needed besides FDG.
E.G.E. de Vries, Groningen, NL

12:00 Lunch and Industry exhibition

Session 2 : From idea to imaging agent

13:00 Recent developments: the industry point of view.
R.N. Waterhouse, Chester, USA

13:40 Design of molecular imaging agents: from idea to product.
A.S.S. Dömling, Groningen, NL

14:20 Strategies to increase sensitivity.
E. Toth, Orleans, FR

15:00 Coffee and tea and Industry exhibition

Session 3 : Translational hurdles and challenges

15:30 Legislation.
R. Lange, Amersfoort, NL

16:10 Translational aspects.
M. Schäfers, Münster, GE

16:50 Early phase 1 studies.
J. Burggraaf, Leiden, NL

17:30 End of day 1 : free evening



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DAY 2: MOLECULAR IMAGING AGENTS

Parallel sessions 1 and 4: Novel synthetic methods for targeting molecules

Parallel sessions 1 and 4: Molecular imaging agents for oncology, infection and inflammation imaging

8:30 Registration & Coffee and tea at the Industry exhibition

Session 1 (parallel): Novel synthetic methods for targeting molecules

9:30 How to develop new imaging agents? P. Caravan, Boston, USA

10:05 Novel chemistry applicable to PET, SPECT, Optical Imaging, MRI, US, opto-acoustics, hybrid probes. A.D. Windhorst, Amsterdam, NL

10:40 Technology: microfluidics, automation, solid phase chemistry. A. Gee, London, UK

11:15 Analytical methods: LCMS, UPLC, SFC. G. Luurtsema, Groningen, NL

Session 1 (parallel): Oncology, infection and inflammation imaging

9:30 Imaging of tumor immunology. H.L. Ploegh, Boston, USA

10:05 Antibody imaging. A.H. Brouwers, Groningen, NL

10:40 The second and third generation Fluorine-18 labeled radiopharmaceuticals. A.W.J.M. Glaudemans, Groningen, NL

11:15 Microbubbles. M. Versluis, Enschede, NL

11:50 Lunch and Industry exhibition

Session 2 (plenary)

12:40 Lecture by Nobel prize winner B.L. Feringa, Groningen, NL

Introduction by W. Szymanski, radiological chemist, University of Groningen

Session 3 (plenary) : Posters and Industry exhibition

13:30 Poster session

Session 4 (parallel) : Pharmacy

15:00 Drug targeting and release. H.H. Boersma, Groningen, NL

15:35 Formulation of molecular imaging agents and inhalation techniques. H.W. Frijlink, Groningen, NL

16:10 Companion diagnostics. G.A.M.S. van Dongen, Amsterdam, NL

Session 4 (parallel) : Oncology, infection and inflammation imaging

15:00 Optical imaging in the surgical theater and using endoscopy. G.M. van Dam, Groningen, NL

15:35 Imaging of infection, inflammation and tumor immunology using radiopharmaceuticals. A. Signore, Roma, IT

16:10 MRI probes. R.J.H. Borra, Groningen, NL

16:45 Coffee and tea and Industry exhibition

Session 5 (plenary) :

17:15 Wijnberg Lecture by T. Ritter, Muehlheim an der Ruhr, GE

Introduction by J. Knoester, Dean of the Faculty of Mathematics and Natural Sciences, University of Groningen

18:00 End of day 2 : Walk to symposium dinner

18:30 Symposium dinner, Ni Hao Groningen



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DAY 3: MOLECULAR IMAGING AGENTS: A LOOK TOWARDS THE FUTURE

Parallel sessions 1: Novel labels, tags and radionuclides

Parallel sessions 1: Molecular imaging agents for brain and heart disorders

8:30 Registration & Coffee and tea at the Industry exhibition

Session 1 (parallel): Novel labels, tags and radionuclides

9:30 New chelators. P. Blower, London, UK

10:05 New dyes and Cerenkov. J.V. Frangioni, Marlborough, USA

10:40 New radionuclides. R. Schibli, Zurich, CH

11:15 Targeted microbubbles. M. Versluis, Twente, NL

Session 1 (parallel): Molecular imaging agents for brain and heart disorders

9:30 Neurological disorders. R.A.J.O. Dierckx, Groningen, NL

10:05 Psychiatric disorders. J. Booij, Amsterdam, NL

10:40 Cardiac molecular imaging: the radionuclide approach. R.H.J.A. Slart, Groningen, NL

11:15 MR imaging and spectroscopy of cardiac function and metabolism in mouse models of heart failure. J. Prompers, Utrecht, NL

11:50 Lunch, Industry exhibition and back to plenary program

Session 2 (plenary): Preclinical imaging

12:35 Current state of the art. S. Vandenberghe, Gent, BE

13:10 The ultimate dream. J. Doorduyn, Groningen, NL

Session 3 (plenary): Towards the clinic

13:45 Availability and distribution of molecular imaging agents. E. van Lier, Amsterdam, NL

14:10 Theranostics. M.H. de Jong, Rotterdam, NL

14:45 Multimodality probes. O.C. Boerman, Nijmegen, NL

15:10 Coffee and tea and Industry exhibition

Session 4 (plenary): Towards the future

15:40 Poster prize winners: presentation and awards

16:00 State of the art overview: probes versus challenges in the clinic. I. Carrio, Barcelona, ES

16:35 **Vaalburg Lecture: Future Perspectives. V. Ntziachristos, Muenchen, GE**

Introduction by P.H. Elsinga, radiochemist, UMCG

17:10 End of day 3: Farewell drinks of the symposium

*Please note the freely accessible post congress on day 4 (February 16th)
on Photopharmacology (organizer W. Szymanski)
See the program in annex.*



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CALL FOR ABSTRACTS

We cordially invite you to join the International Symposium “Molecular Imaging Agents in Medicine”, to be held in Groningen, the Netherlands, on February 13th to 15th, 2017. For your convenience the program and registration form have been attached to this message.

Herewith we would like to invite and encourage investigators, including PhD students, postdocs and all interested to share their research and to submit an abstract.

Abstracts may address any topic related to **(1) Basic research, (2) Preclinical and (3) Clinical research** in the setting of molecular imaging agents in medicine. The posters will be put on display during the entire symposium. An independent committee with experts in the different domains will select the best research in each field. Prizes will be awarded plenary during the symposium.

IMPORTANT DATES

January 7th :	abstract submission deadline
February 1st :	notification of acceptance
February 7th :	end of reduced registration fee

Abstract format: see example

Abstracts can be submitted to symposiumMIC2017@umcg.nl using ‘abstract MIC symposium’ in the subject field.

ABSTRACT FORMAT EXAMPLE

How to make an abstract for the symposium– title not more than 25 words (Arial 12, Bold)

Author1, Author2, Author1,3 (arial 10)

1. Affiliation 1 (arial 9)
2. Affiliation 2
3. Affiliation 3

Body of abstract should not consists of more than 400 words.

- Purpose: (arial 10) To demonstrate how to make an abstract. Indicate the rationale and aim of your study here...
- Methods: In this section you indicate how the study or experiments were conducted etc...
- Results: Summary of your results...
- Conclusions: Main conclusions...



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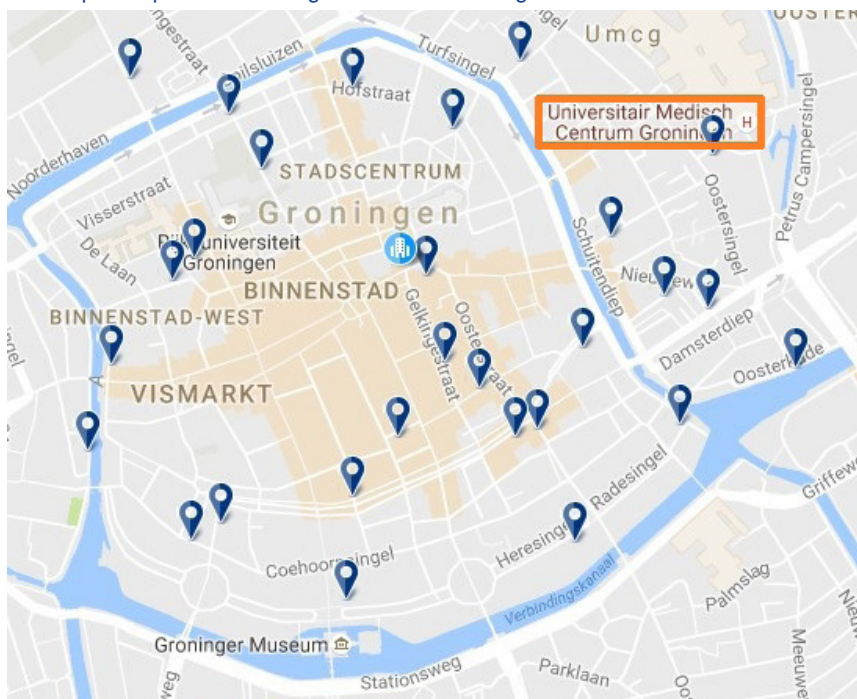
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HOTEL OPTIONS

Check the website www.booking.com. There are several options for hotels, B&B and hostels in the city center of Groningen.

For instead:

- University hotel
- NH hotel
- Martini Hotel Centre
- Hampshire hotel – City Groningen
- NH Groningen Hotel De Ville
- Hotel Schimmelpenninck Huys
- Hotel Miss Blancé suites & apartments
- Hampshire Hotel Groningen Centre
- The student hotel Groningen
- Hotel de Doelen
- Prinsenhof
- Hampshire Apartments Groningen
- Asgard Hotel
- B&B Trip & Co
- B&B Pakhuis Emden
- Loft 6
- Het Paleis Groningen
- Picon suite – Petit Residence
- Drie gezusters budget hostel
- Het Knusse Bommen Berend Huys
- Gelkingehof Apartments
- Pension Tivoli
- City apartments – One-Bedroom Apartments
- Loge 10



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