Beyond FDG: International Symposium on PET Tracers in Oncology

Presymposium workshop, April 2nd

Date
April 3rd and 4th, 2014

Location
University Medical Center Groningen,
Groningen, the Netherlands

Information
symposiumngmb@umcg.nl

Registration
Enclosed
The Department of Nuclear Medicine and Molecular Imaging cordially invites you to join in the International Symposium ‘Beyond FDG: International Symposium on PET Tracers in Oncology’ to be held in Groningen, the Netherlands, on April 3rd and 4th, 2014. On April 2nd a presymposium workshop is organized on PET radiopharmaceuticals.

This Symposium marks the installation of a new IBA 18 MeV cyclotron and the installation of a new Siemens PET-CT camera. These new investments reflect the continuation of the pioneering role Groningen has played in the field of nuclear medicine and the importance of PET and PET radiopharmaceuticals in clinics and research in Groningen. As a result a close collaboration between clinicians, basic scientists and nuclear medicine physicians was built throughout the years. The number of PET tracers has expanded beyond FDG, and each tracer has found its way in a clinical setting.

This International Symposium provides a ‘state of the art’ of this second generation of PET tracers. The invited lectures are provided by experts in their field. Clinicians will detail their questions and nuclear medicine physicians will provide possible PET answers. Time is provided for questions and discussions, for poster presentations and interaction with colleagues and industry.

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. R.A. Dierckx, symposium president
April 2nd, 13.00 - 17.00

Presymposium

Workshop ‘State of the art production of radiopharmaceuticals for PET imaging - Recent developments’

13.00 Introduction, Gert Luurtsema, NL

13.05 Production of radiopharmaceuticals for PET Imaging, Erik de Vries, NL

13.45 Production of radiopharmaceuticals with long lived PET Isotopes ($^{89}$Zr, $^{124}$I, $^{64}$Cu), Danielle Vugts, NL

14.30 - 15.00 Coffee break

15.00 Recent experience in implementing a GMP facility, Katja van Rij, NL

15.45 Update of regulatory aspects concerning GMP radiopharmaceutical productions, Hendrikus Boersma, NL

Tour of GMP and cyclotron facilities of UMCG
April 3rd

8.30 - 9.30  Registration/Coffee

9.30 - 9.45  Opening lecture
  Folkert Kuipers, Dean of Medical Sciences UMCG

9.45 - 10.45  \(^{18}\text{F-FDG}\)
  9.45  Future expectations and challenges, Christophe DeRoose, BE
  10.15  Standardisation and quantification, FDG and beyond, Ronald Boellaard, NL

10.45 - 11.15  Coffee break

11.15 - 11.45  \(^{18}\text{F-FAZA}\)
  11.15  Which hypoxia PET biomarker is the best? F-MISO, FAZA or F-HX4?, Philippe Lambin, BE

11.45 - 12.15  Applications of \(^{18}\text{F-FLT}\)
  Edo Vellenga, NL

12.15 - 13.15  \(^{89}\text{Zr-labelled antibodies}\)
  12.15  Antibodies in oncology, Winette van der Graaf, NL
  12.45  Overview of \(^{89}\text{Zr}-\text{labelled antibody imaging}\), Adrienne Brouwers, NL

13.15 - 14.00  Lunch break

14.00 - 14.30  Willem Vaalburg lecture
  Fred Verzijlbergen, NL

14.30 - 16.00  \(^{18}\text{F-FDOPA, }^{11}\text{C}/^{18}\text{F-HTP, }^{68}\text{Gallium}\)
  14.30  Neuroendocrine tumors, clinical point of view, Annemieke Walenkamp, NL
15.00 Use of FDOPA/HTP in neuroendocrine tumors, Klaas-Pieter Koopmans, NL

15.30 Use of $^{68}$Ga-labelled tracers for theranostics of neuroendocrine neoplasms and other tumors, Richard Baum, GE

16.00 - 16.30 Coffee/tea break

16.30 - 18.00 New challenges in radionuclide therapy imaging
16.30 $^{177}$Lutetium, Dik Kwakkeboom, NL
17.00 Radioembolization of liver metastases, Marnix Lam, NL
17.30 $^{223}$Radium, Walter Noordzij, NL

19.00 Congress dinner

April 4th

8.45 - 9.30 Poster session

9.30 - 10.30 $^{18}$F-FES/$^{18}$F-FDHT
9.30 Hormone receptors in cancer, clinical point of view, Geke Hospers, NL
10.00 Nuclear medicine imaging of hormone receptors, Andor Claudemans, NL

10.30 - 11.00 Coffee/tea break

11.00 - 12.00 $^{124}$I
11.00 Thyroid carcinoma, clinical point of view, Thera Links, NL
11.30 Role of $^{124}$I in thyroid carcinoma, Jakob Kist, NL

12.00 - 13.00 $^{11}$C/$^{18}$F-Choline
12.00 Prostate cancer, clinical point of view, Igle Jan de Jong, NL
12.30 Use of choline in prostate cancer imaging, Arturo Chiti, IT
13.00 - 14.00 Lunch break

14.00 - 15.00 "C-Methionine
14.00    Neuro-oncology, clinical point of view,
         Roelien Enting, NL
14.30    Role of methionine in neuro-oncology,
         Ronald van Rheenen, NL

15.00 - 16.00 PET/MRI
15.00    Combitracers in PET/MRI imaging, Philip Elsinga, NL
15.30    Comparison between PET/MRI and PET/CT, is there a
         killer application of PET/MRI, Sandra Purz, GE

16.00 - 16.25 Highlights
         Richard Baum, GE

16.25 - 16.30 Closing remarks
         Rudi Dierckx, NL

16.30 - 17.30 Farewell drinks
Who should attend?

The Symposium has special relevance for nuclear medicine physicians, oncologists, pharmacists, radiochemists and scientists, but is useful for all who are involved in diagnosis and therapy of oncological diseases. A presymposium workshop on PET-radiopharmaceuticals for radiochemists, radiopharmacists and interested nuclear medicine specialists is organized on April 2nd in the afternoon. Accreditation is requested.

Objectives

After attending the Symposium, participants will have:

- Knowledge of the clinical relevance of the second generation PET tracers in oncology
- The right background to estimate the role of radiopharmaceuticals in diagnosis and treatment evaluation of oncological diseases
- Understanding of the current and future directions of the field

Tracers

$[^{18}\text{F}]$FDG, $[^{18}\text{F}]$FDOPA, $[^{18}\text{F}]$FES, $[^{18}\text{F}]$FLT, $[^{18}\text{F}]$FAZA, $[^{18}\text{F}]$FDHT, $[^{18}\text{F}]/[^{11}\text{C}]$ choline, $[^{11}\text{C}]$methionine, $[^{124}\text{I}]$NaI, $[^{68}\text{Ga}]/[^{89}\text{Zr}]$-labelled peptides and antibodies

Organizing Committee

Adrienne Brouwers
Rudi Dierckx
Sarita Evers
Andor Glaudemans
Gert Luurtsema
Anne Paans
Jan Pruim
Travel Information

Groningen has direct railway connections with Amsterdam Schiphol Airport, the travel time is 2.5 hours (http://www.ns.nl). The local busses no. 5 and 7 departs from the railway station to the University Medical Center Groningen. The bus stop is situated at the main entrance of the Hospital. Parking facilities are available in parking ‘Noord’, entrance Vrydemalaan (paid parking).
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www.siemens.nl/healthcare