

ANNUAL 180°N CONFERENCE

Royal Garden, Trondheim, April 9-11 2024

TUESDAY APRIL 9

10.00-11.00 Registration, refreshments, and mingling

11.00-11.15 Welcome and opening v/ Tom Christian Martinsen, executive vice president, St. Olavs hospital

11.15-12.00 Keynote lecture:
Marta Lazzeroni, "Multitracer PET for personalized cancer treatment"

12.00-12.15 Coffee Break

SESSION 1: Early career researchers (Chairs Benedikte Vindstad and Elena Markova)

12.15-13.00 Transition from academia to industry – Margherita Falavigna - GE

13.00-14.00 LUNCH

14.00-15.45 Storytelling for scientists – Stephan van Duin - The Online Scientist

15.45-16:00 Coffee Break

16:00-16.45 The symbiosis between physical, mental and social health –
Morten Andreas Bye

SOCIAL AND NETWORKING

16.45-17.15 Walk and talk

17.15-18.00 Concert Nidarosdomen

18.00-21.00 Tapas at "To tårn" next to Nidarosdomen

WEDNESDAY APRIL 10

07.30-09.00 Breakfast

SESSION 2: From mice to man – Translation from preclinical research to clinical studies

09.00-09.05 Introduction by session chair - Rune Sundset/Cecilie Brekke Rygh

09.05-09.45 Keynote lecture:

Guy Bormans, "Preclinical validation of radiotracers"

09.45-10.00 Break

10.00-10.40 Abstract talks

10:00 Ursula Søndergaard – "⁶⁷Cu produced at a biomedical cyclotron for preclinical *in vivo* studies"

10:13 Chubina P. Kumarananthan – "From Liquid Target Production to Synthesis of [45Ti]Ti-DOTA"

10:27 Sindhu Kancherla – "Evaluation of FAPI-74 radiotracers' stability and biodistribution in preclinical murine models"

10.40-11.10 Keynote lecture:

Mohammed Hankir, "Fuelling and igniting thermogenic adipocytes"

11.10-11.30 Coffee break

SESSION 3: Oral Abstract Presentations

11.30-13.00 Chairs Mattijs Elschot/Ingerid Skjei Knudsen

11:30 Eduard Pogorilyy – "Exploring the Potential of 45Ti in PET Imaging, Formation and Assessment of the Ti-DOTA Complex"

11:43 Ole Kvernenes – "[13N]Ammonia - Rapid fire production of [13N]AMMO"

11:58 Elena Markova – "In situ radiolabeling technique for liposomal nanocarriers"

12:10 René Winter – "Dosimetric evaluation of synthetic CT for PET/MR-only proton therapy of head and neck cancer"

12:23 Peter Wessel Strandhagen and Vere Rose Megens – “Application of a visual classification method for novel tau tracer [18F]MK-6240 in MCI and AD patients”

13.00-14.00 LUNCH

SESSION 4: From imaging to therapy – New horizons

14.00-14.05 Introduction by session chair - Tom Christian Adamsen/Marianne Stokkan

14.05-14.45 Keynote lecture:
Philipp Backhaus, “FAPI PET/MRI in breast cancer”

14.45-15.00 Break

15.00-15.40 Abstract talks

15:00 Anna Karlberg – “68Ga/177Lu-PSMA theranostics in recurrent high-grade glioma - First study results & future perspectives”

15:13 Camilla Wolowczyk – “Targeting Arginase-1 with Liposomal nor-NOHA: A Novel Approach to Cancer Immunotherapy”

15:27 Guillermo Garrido-Hernandez – “Interim 18F-FDG-PET-based combined dose and linear energy transfer escalation of proton therapy in head and neck cancer”

15.40-16.00 Break

16.00-16:30 Keynote lecture:
Nic Gillings, “Multi-tracer production – challenges and logistics»

19:00 CONFERENCE DINNER AT THE HOTEL

THURSDAY APRIL 11

07.30-09.00 Breakfast

SESSION 5: From precision imaging and AI to healthcare innovation

09.00-09.05 Introduction by session chair - Tone Bathen/Live Eikenes

09.05-09.50 Keynote lecture:

Bram Van Ginneken, "Developing and Implementing AI in Medical Imaging"

09.50-10.10 Break

10.10-11.10 Abstract talks

10:10 Benedikte Vindstad – "Histomolecular validation of [18F]FACBC in gliomas using image-localized biopsies"

10:25 Ingerid Skjei Knudtsen – "Reference tissue uptake of [18F]PSMA-1007 positron emission tomography"

10:40 Amalie Toftum Hop – "Intravoxel incoherent motion modelling of diffusion-weighted MRI using deep learning: simulations and evaluation in head and neck cancer"

10:55 Luigi Tommaso Luppino – "Robust, versatile, and interpretable deep learning model for prediction of the arterial input-function in dynamic [18F]FDG-PET imaging of mice"

11.10-11.30 Break

11.30-12.15 Keynote lecture:

Wouter van Elmpt – "AI implementation in clinical routine"

12.15-12.30 Evaluation of the meeting

12.30-13.00 Awards and closure

Awards committee: Martin Bierman, Marianne Stokkan, Inigo Martinez

13.00-14.00

LUNCH AND GOODBYE