

The Danish Radiochemistry Meeting 2024

2 – 3 May 2024

Sinatur Hotel Storebælt

(Østerøvej 121, 5800 Nyborg)

Organized by the Department of Nuclear Medicine – Odense University Hospital

Thursday 2nd of May

- 11:00 - 12:00 Registration
12:00 - 13:00 Lunch
13:00 - 13:30 Take a tour on the terrace or the beach for fresh air before indoor sessions or visit the exhibitors

First Session: *Chairperson: Niels Langkjær*

- 13:30 - 13:45 **Jess Hein Petersen**, “Regulatoriske perspektiver for radioactive lægemidler fra Quality siden”
13:45 - 14:00 **Charlotte Lund Denholt**, “GMP compliant production and quality control of [^{99m}Tc]Tc-DTPA-GSA wet kit formulation”
14:00 - 14:45 Invited Speaker: Professor **Oliver Kiß**, “Mission: Impossible - Understanding Regulations For Radiopharmaceuticals”
14:45 - 15:00 **Katarina Gundsø Johnsen** and **Charlotte Stub Detlefsen**, “Implementering af nyt annex 1- et fælles projekt i QA samarbejdet” (can be modified)
15:00 - 15:15 **Benedikte Christensen** and **Inge Lise Rasmussen**, “Daily procedures for preparing radiowater production. A fast tour”
15:15 - 16:00 Coffee Break + Take a tour at the exhibitors

Second Session: *Chairperson: Clive Naidoo*

- 16:00 - 16:15 **Kristina Søborg Pedersen**, “Production of copper-67 for theranostic application”
16:15 - 16:30 **Natan Straathof**, “Delivery of the Auger therapeutic ¹²⁵I-UdR via nanoparticles for treatment of glioblastoma – Part I”
16:30 - 16:45 **Aaraby Nielsen**, “Delivery of the Auger therapeutic ¹²⁵I-UdR via nanoparticles for treatment of glioblastoma – Part II”
16:45 - 17:00 **Claire Deville**, “Production of the Auger electron emitter La-135 at the Hevesy laboratory”
17:00 - 17:15 **Trine Borre**, “Produktion af auger-emitteren Er-165”
17:15 - 17:30 Concluding Remarks for the day
18:00 - 19:00 Welcome drinks on the terrace
19:00 - 21:00 Dinner

Friday 3rd of May

First Session: *Chairperson: Hélène Audrain*

- 09:00 - 09:15 **Gitte Kodahl**, “Skanning af patienter med hyperparathyroidisme med ¹⁸F-Cholin kontra ¹¹C-Methionin”
09:15 - 09:30 **Anders Bruhn Arndal Andersen**, “Multicenter Experience with GMP Production of [¹¹C]PiB for Amyloid PET Imaging”
09:30 - 09:45 **Vigga Sand Gammelsrød**, “EGFR-targeted Auger Electron Therapy of Glioblastoma”
09:45 - 10:00 **Christina Baun**, “Gastrin-Releasing peptide receptor as theranostic target In breast cancer: a preclinical study og [⁵⁵Co]Co- and [¹⁷⁷Lu]Lu-DOTA-RM26”
10:00 - 10:45 Invited Speaker: Associate Professor **Mikael Palner**, “Enhancing Neuropsychiatric Disease Understanding: Insights from [¹⁸F]FDG Metabolic Connectivity in Biologically Informed Brain Networks”
10:45 - 11:30 Coffee Break + Take a tour at the Exhibitors

Second Session: Chairperson: Signe Inglev

11:30 - 11:45 **Elisabeth Höljer**, “Optimization of [¹⁸F]RO6958948 synthesis”

11:45 - 12:00 **Helle Østergren Bak**, “From paper to PETra LIMS – a journey with tests, challenges, validation and daily use”

12:00 - 12:15 **Niels Langkjær**, ”Automated production of SynVes T-1” (can be modified)

12:15 - 12:30 **Lorraine Gaenaelle Gé**, “Exploring a Trithione Scorpionate Ligand as a Suitable Chelator for the Theranostic Pair Antimony-119 and Antimony-117”

12:30 - 13:00 Concluding Remarks for the day – Next meeting?

13:00 - 14:00 Lunch (Sandwich-to-go)

Keynote Speakers

Professor **Oliver Kiß** aka. as **Oliver C. Neels**, Department of Radiopharmaceuticals Production, Institute of Radiopharmaceutical Cancer Research, Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany. Oliver Kiß has more than 15 years of experience in radiopharmaceuticals, with 42 documents registered in Scopus including book chapters and articles in some of the most distinguished journals, such as The Lancet Oncology. Additionally, Oliver Kiß has contributed to several articles and handbooks related to the use of radiochemicals as medicinal products, the use of cyclotrons for nuclear medicine and radiopharmacy in Germany, Austria and Switzerland, and the various aspects of radiochemicals regulations for nuclear medicine in Europe.

Associate Professor **Mikael Palner**, Department of Clinical Research – Research unit of Clinical Physiology and Nuclear Medicine, University of Southern Denmark. Mikael Palner with 39 documents registered in Scopus has 15 years of experience in the domain of preclinical in vivo imaging (PET/MR, fluorescence) and psychedelic research. He recently established his own research team with emphasis on preclinical functional [¹⁸F]FDG PET imaging of neuronal circuits and behavioral assessment in rats following neuromodulation and psychedelic drug actions. In 2020 he was awarded a Sapere Aude starting grant from the Danish Independent Research Foundation and in 2022 partner in a Grand Solutions grant from the Danish Innovation Fund. He is an active public speaker on subjects related to psychiatric disease and psychedelic drugs.

Participants presented per affiliation (Speakers are underlined)

Bispebjerg og Frederiksberg Hospital:

Benedikte Christensen, Inge L. Rasmussen, Sofie Bille Sundberg

DTU Sundhedsteknologi:

Bente Sørensen, Charl Botha, Christina Andersen, Claire Deville, Clive Naidoo, Heidi Appelby Hansen, Katarina Gundsø Johnsen, Kristina Søborg Pedersen, Marianne Nielsen, Natan Straathof, Nicklas Hassø, Rasmus Vang Svane, Simone Finn Frøslev, Trine Borre

Herlev Hospital:

Anders Bruhn Arndal Andersen, Malene Raahauge Boesen, Tin Huu Huynh, Tri Hien Viet Huynh, Valdemar Lykke Andersen

Isotop Agenturet:

Katrine Vinther Kloster

Lægemiddelstyrelsen:

Ask Püschl, Inge Overby Jensen, Jess Hein Petersen, Kathrine Asmussen, Kenny Glæsner, Rita Neel Jansen, Ruth Wan

Minerva Imaging:

Johan Hygum Dam, Kira Røpke Jørgensen, Natasha Hovmand-Bidesi, Nikoline Nielsen

Odense Universitetshospital:

Aaraby Nielsen, Charlotte Stub Detlefsen, Christina Baun, Heidi Hjortsballe Salomonsen, Henriette Boe Schärfe, Henriette Grønbech, Kathrine Ingemann Christensen, Lorraine Gaenaelle Gé, Mette Bisgaard Schmidt, Monika Skulska, Morten Troj Jensen, Niels Langkjær, Pia Tougård Andersen, Signe Inglev, Susanne Madsen, Tina Maj-Britt Priisholm , Vigga Sand Gammelsrød, Xavier Fretté

Regionshospitalet Gødstrup:

Karsten Frederiksen

Rigshospitalet:

Anders Løve Paaske Drachmann, Anne-Mette Wittekind, Charlotte Lund Denholt, Helle Østergren Bak, Jacob Madsen, Janus Harborg Koch, Jesper Jørgensen, Louise Sørensen, Nic Gillings, Szabolcs Lehel, Tina Wikke Hallund

Sahlgrenska Universitets Hospital:

Besa Lubishtani, Lisa Ljungberg, Oleksandr Plashkevych, Oleksiy Itsenko

Skånes Universitetssjukhus Lund:

Eleonora Evetovics, Elina Tampio L'Estrade, Elisabeth Höljer, Linn Nilsson, Madeleine Wedin, Valieta Bunjaki Gudaci

Aalborg Universitetshospital:

Claus Michno, Lara Ruben Soro

Aarhus Universitetshospital:

Ebbe Klit Grove, Gitte Kodahl, Hélène Audrain, Marie Louise Olesen

Exhibitors & Sponsors

We are grateful for financial support from Efteruddannelsespuljen (Klinisk Udvikling, OUH).

We thank all our exhibitors and sponsors:

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