

Danish Cancer Society Symposium 2018

Modern imaging in clinical oncology From technological advances to patient benefit

Programme

Monday, 8 October 2018

10.15 - 11.05 Registration and coffee

11.05 - 11.20 Welcome / Malene Fischer & Ivan Vogelius

Session 1: Frontiers in molecular imaging

Chair: Malene Fischer & Ian Law

11.20 - 12.10 Frédéric Duprez

Molecular imaging based dose-painting: Dream or reality?

The example of dose-painting-by-numbers for head and neck cancer

12.10 - 13.00 Carsten Haagen Nielsen/Andreas Kjær

Bringing new imaging biomarkers into the clinic

13.00 - 14.00 **Lunch with the speakers**

Session 2: MR

Chair: Ivan Vogelius & Adam Espe Hansen

14.00 - 14.50 Jan Henrik Ardenkjær-Larsen

Hyperpolarized metabolic MR

14.50 - 15.40 Ian Law

Combining PET/MRI in clinical cancer research

15.40 - 15.50 Coffee break

15.50 - 16.40 **Guided poster walk 1**
Chair: Malene Fischer

Tuesday, 9 October 2018

09.00 - 09.50 Mads Nielsen, Keynote speaker
Deep learning in cancer diagnostics

Session 3: Computer science and imaging
Chair: Mads Nielsen & Ivan Vogelius

09.50 - 10.40 Marleen de Bruijne
Computer-assisted registration and segmentation

10.40 - 11.00 Coffee break

11.00 - 11.50 Irène Buvat
Radiomics: State-of-the-art, pitfalls and promises

12.00 - 13.00 **Lunch with the speakers**

13.00 - 13.50 **Guided poster walk 2**
Chair: Adam Espe Hansen

13.50 - 14.00 Coffee break

14.00 - 14.50 **Guided poster walk 3**
Chair: Ivan Vogelius

Session 4: Imaging in radiation oncology
Chair: Ivan Vogelius & Marianne Aznar

15.00 - 15.50 Lena Specht
Lymphoma: A success story of improved imaging leading to improved care

15.50 - 16.40 Daniela Thorwarth
Preclinical and clinical exploration of multi-parametric functional imaging to guide radiation

18.30 - 21.00 **Dinner at Copenhagen Admiral Hotel**
Toldbodgade 24-28, 1253 Copenhagen K

Wednesday, 10 October 2018

Session 5: Response assessment

Chair: Thomas Beyer & Lena Specht

08.30 - 09.20 Marianne Aznar
Longitudinal imaging to predict normal tissue damage

09.20 - 10.10 Elisabeth de Vries
Quantifying tumour response: Clinical perspective

10.10 - 10.25 Coffee break

10.25 - 11.15 Thomas Beyer
Quantifying tumour response: Technical perspectives and caveats

11.15 - 12.05 Wouter van Elmpt
Multimodality imaging: Lessons from the past and necessary steps to bring dose painting to the clinic

12.05 - 12.35 **Panel discussion**

12.35 - **Lunch and departure**