

# Annual network meeting – Danish network of radiobiology researchers

November 10th-11th 2022 at Hotel Park in Middelfart

## PROGRAM

### Thursday 10 November

KI 1200: Lunch on arrival

KI 1300: Introduction and welcome

KI 1310: Session 1 (16 min + 4 for discussion, FLASH TALK: 5+2 min)

Chair: Jesper Eriksen

Eirik Malinen, University of Oslo, Spatial fractionation in vitro and radiobiological modelling

Betina Børresen, Dept. of Veterinary Clinical Sciences, Canine cancer patient as a spontaneous animal model in cancer research

Dorthe Helena Larsen, Danish Cancer Society, DNA double-strand breaks repair in ribosomal DNA

FLASH TALK: Priyanshu Sinha, Aarhus University, The use of hyperthermia to enhance immune checkpoint inhibition therapy in solid tumors

KI 1420: Break

KI 1430: Lisa Wiesmüller – Radiation responses in the human hematopoietic system: impact of differentiation, age and sex

KI 1500: Carsten Herskind – Radiation-induced premature aging of cells/tissues and radiotherapy in the elderly

Chair: Claus Storgaard

KI 1530: Coffee break

KI 1600: Randi Syljuåsen - Radiation-induced DNA damage response and immune signaling

KI 1630: Nina Edin - PROCCA: Late effects after radiotherapy of the head and neck - from cells to persons

Chair: Brita Singers Sørensen

KI 1700: Break

KI 1710-1830: Session 2 (16 min + 4 for discussion)

Chair: Mike Horsman

Elise Konradsson, Lund University, FLASH radiotherapy in Lund

Tinna Stevnsner, Aarhus University, Age-associated changes in cellular responses to DNA damaging agents

Lilli Bay, Norwegian Radium Hospital, A novel mechanism of DNA double strand break repair via the cellular transcription machinery

Tord Hompland, Oslo University Hospital, MR imaging tool for quantifying and visualizing hypoxia in prostate cancer patient

KI 1900: Dinner

## Friday 11. November

- KI 0700: Breakfast
- KI 0800: Session 3 (16 min + 4 for discussion, FLASH TALK: 5+2 min)  
Chair: Heidi Lyng  
Crister Ceberg, Lund University, Swedish Radiobiological Society- Its history, activities, and network.  
Morten Busk, Aarhus University Hospital, Dual-Tracer Positron Emission Tomography for Improved Tumor Energetic/Microenvironment Phenotyping and Treatment Guidance  
Tiril Hillestad, Oslo University Hospital, Histology based pipeline for studying hypoxia levels on a microscopic level in cervical cancer xenografts  
Jan Benada, BRIC, Copenhagen, Cancer cells use self-inflicted DNA breaks to evade growth limits imposed by genotoxic stress  
FLASH TALK: Folefac Charlemagne Asonganyi, Aarhus University, Hyperthermia boosting the effect of Radiotherapy
- KI 0930: Coffee break
- KI 1000: Session 4 (16 min + 4 for discussion, FLASH TALK: 5+2 min)  
Chair: Martin Jacobsen  
Michael Lisby, University of Copenhagen, Targeting mitotic DNA repair in cancer therapy  
Mateusz Sitarz, Aarhus University, Mixed radiation fields and cellular radiosensitivity  
Vilde Eide Skingen, Oslo University Hospital, Prostate cancer radiogenomics identify proliferative gene expression programs associated with distinct MRI-based hypoxia levels  
Morten Horsholt Kristensen, Aarhus University Hospital, Radioresistance in head and neck squamous cell carcinoma – the effect of tumor volume and cancer stem cell markers  
FLASH TALK: Klara Lanng, Aarhus University, STING modulation and radio-immunotherapy treatment of malignancies
- KI 1150: Wrap up and good bye
- KI 1200: Lunch before leaving