

Program 17th January 2020

08.30 – 09.00: Registration and coffee.

09.00 – 11.45 Chair: Randi and Eirik

09.00 – 09.20: NIRO 2019 / NIRO network manager Heidi Lyng.

09.20 – 10.05: *Data mining for adaptive radiotherapy* / Marcel Van Herk

10.05 – 10.30: Coffebreak

10.30 – 11.15: *Current status of new radiotherapy-drug combinations* / Ricky Sharma

11.15 – 11. 25: *Combined radiotherapy and immunotherapy* / Åslaug Helland (#11)

11.25 – 11.35: *Younger and lower-educated cervical cancer patients treated with radiotherapy have poor self-management skills. Data from the Netherlands, Denmark and Norway* / Ingvild Vistad (#26)

11.35 – 11.45: *“Dual-alpha” - an expanding technology for development of targeted alpha therapies* / Asta Juzeniene (#15)

Lunch

13.15 – 13.50: Speed presentations (4 min.). Chair: Åslaug and Rene

- 1) *Quality of care from the perspective of elderly cancer patients receiving radiotherapy* / May Ingvild Volungholen Sollid (#25)
- 2) *Oxygen consumption and supply based hypoxia (CSH)-imaging for visualizing different hypoxia levels within cervix tumors* / Tiril Hillestad (#12)
- 3) *Intratumor Heterogeneity in Hypoxia in Prostate Cancer Biopsies* / Unn Beate Salberg (#22)
- 4) *A flow cytometry based screen to identify compounds that inhibit DNA repair after radiation* / Christian Naucke (#17)
- 5) *Mir-200s as predictive biomarkers for radioresistance and modulators of tumor phenotype in cervical cancer* / Anja Nilsen (#18)
- 6) *PROCCA: a new convergence environment* / Olga Zlygosteva (#29)
- 7) *Proton radiation to induce immunogenic signaling in lung cancer for immunotherapy* / Martine Ruud (#19)

8) *A computational model for predicting immunogenic responses after radiotherapy* / Jonas Asperud
(#2)

13.50 – 14.20: Poster presentations on stand

14.20 – 14.50: Posters and coffee

14.50 – 15.40: *Presentation (10 min.). Chair: Marit and Åse*

14.50 – 15.00: *Combining imaging- and gene-based hypoxia biomarkers for detection of hypoxia-associated chemoradioresistance in cervical cancer* / Christina Sæten Fjeldbo (#8)

15.00 – 15.10: *Mucosa-sparing dose painting of head & neck cancer* / Einar Dale (#5)

15.10 – 15.20: *Radiotherapy of tongue cancer using an intraoral stent reduces the dose to the hard palate* / Berit Bø (#3)

15.20 – 15.30: *Preclinical evaluation of the immunogenic potential of combined treatment with radiation and ATR inhibitors* / Adrian Eek Mariampillai (#16)

15.30 – 15.40: *Activation of photosensitizers by accelerated protons: towards proton-dynamic therapy* / Theodossis A. Theodossiou (#27)

15.40 – 16.00: Best poster award and summary/ Heidi Lyng