



Program

17th International Wolfsberg Meeting on Molecular Radiation Biology/Oncology

Hurdalsjøen Hotel, Norway

June 21-23, 2025

Organizers:

Ludwig Dubois (Maastricht, NL)

Heidi Lyng (Oslo, NO)

Martin Pruschy (Zurich, CH)

Randi Syljuåsen (Oslo, NO)

Saturday, June 21, 15:00-19:45

15:00 Opening and Welcome Address

Ludwig Dubois, Heidi Lyng, Martin Pruschy & Randi Syljuåsen

15:15-16:15 Opening Keynote Lecture

Chairs: Randi Syljuåsen & Ilaria Colauzzi

Douglas R. Green, Memphis, US

Paradigm shifts in cell death

Session 1 Topic 1: DNA repair

Chairs: Randi Syljuåsen & Ilaria Colauzzi

16:15-16:45 Invited Lecture

Sylvain Audibert, Sussex, UK

Spatial regulation of DNA repair

16:45-18:45 Coffee break / Poster Session Topic 1 (Poster numbers PI.1-PI.15)

18:45-19:45 Proffered Paper Talks

18:45-19:05 Paola Francica, Bern, CH

Loss of mitochondrial ECHDC2 expression reduces oxidative damage of nuclear DNA and causes radiotherapy resistance

19:05-19:25 Neil Pfister, Birmingham, Alabama, US

Cleaved ATP Synthase subunit alpha is activated following ionizing radiation-induced oxidative stress through a PARP-dependent pathway

19:25-19:45 Lesley Schuitmaker, Maastricht, NL

Homologous recombination deficiencies sensitize tumors to the hypoxia-activated prodrug CP-506, driving the development of a micro-CT imaging-based prediction model

20:00 Wolfsberg Barbecue and Late night swimming

Sunday, June 22, 8:00-12:00

Session 2 Topic 2: Intra- and Intercellular Signaling

Chairs: Martin Pruschy & Mélissandre Gomot

08:00-08:30 Invited Lecture 1

Lara Barazzuol, Groningen, NL

Radiation-associated neurotoxicity: the role of immune memory

08:30-09:00 Invited Lecture 2

Daniel Wahl, Michigan, US

Nucleotide metabolism in radiation responses

09:00-11:00 Coffee Break / Poster Session Topic II (Poster numbers PII.1-PII.21)

11:00-12:00 Proffered Paper Talks

11:00-11:20 Bipasha Mukherjee, San Antonio, US

Targeting cIAP2 in a novel senolytic strategy prevents glioblastoma recurrence after radiotherapy

11:20-11:40 Dea Slade, Vienna, AU

Radiation coupled with PARP7 inhibition or a STING agonist enhance ferroptosis-dependent immunogenic signalling in glioblastoma

11:40-12:00 Rob Coppes, Groningen, NL

Notch signaling as a key driver of post-irradiation regenerative and migratory traits in glandular stem cells

12:15-13:15 *Lunch*

Sunday, June 22, 13:30-17:30

Session 3 Topic 3: Microenvironment

Chairs: Ludwig Dubois & Kris Raaijmakers

13:30-14:00 Invited Lecture 1

Tim Illidge, Manchester, UK

Reprogramming the radiation-induced immune response to improve the therapeutic index

14:00-14:30 Invited Lecture 2

Monica Olcina, Oxford, UK

Druggable tumor-specific vulnerabilities in the tumor microenvironment

14:30-16:30 Coffee Break / Poster Session Topic III (Poster numbers PIII.1-PIII.23)

16:30-17:30 Proffered Paper Talks

16:30-16:50 G-One Ahn, Seoul, KR

Tirapazamine confers radiation-induced abscopal effect when combined with PD-1 antibodies via formation of hypoxia-specific cytosolic DNA in cancer cells

16:50-17:10 François Paris, Nantes, FR

Endothelial senescence appears in the peripheral brain tumor zone after radiotherapy

17:10-17:30 Eirik Malinen, Oslo, NO

Proton therapy enhances immunotherapy synergy over x-ray therapy in mouse tumor models

18:30-19:30 WOslo Cup

20:00 WOslo Dinner

Monday, June 23, 8:00-12:30

Session 4 Topic 4: Novel Therapies and Biomarkers

Chairs: Heidi Lyng & Adila Apsara

08:00-08:30 Invited Lecture 1

Constantinos Koumenis, Pennsylvania, US

Combining radiotherapy with CAR-T cell therapy: opportunities and limitations

8:30-9:00 Invited Lecture 2

Jason Holland, Zurich, CH

Modern radiochemistry towards the clinic

09:00-11:00 Coffee Break / Poster Session Topic IV (Poster numbers PIV.1-PIV.21)

11:00-12:00 Proffered Paper Talks

11:00-11:20 Laure Marignol, Dublin, IE

Evaluation of the association between sex-linked genes and treatment response in lung cancer

11:20-11:40 Karl Butterworth, Belfast, UK

Spatial and temporal dependency of radiation-induced cardiac toxicity

11:40-12:00 Line Kristensen, Aarhus, DK

Fractionation compromises the FLASH effect for acute but not late toxicity

**12:00-12:25 Award Ceremony
Wolfsberg Poster Awards**

12:25-12:30 Closing Remarks

12:30-13:15 *Lunch*

13:30 *Bus Departure to Oslo Airport*