



## **Program**

### ***17<sup>th</sup> 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**

**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 2      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*