



EACR Conference Series 2015

Radiation Biology and Cancer

From Molecular Responses to the Clinic

5 - 7 February 2015 • Philharmonie, Essen • Germany

Thursday 05 February 2015

Coffee available in the Registration Area from 10.00

10.00 Registration desk open
Session 1 Posters may be put up from 10.00 to 18.00

Young Investigator / Career Session Chair: Gabriele Siedenburg

11.00 – 11.30
“European and international funding opportunities for young researchers”
Jörn Möltgen (Germany)

11.30 – 12.00
“Transparent Publishing”
Bernd Pulverer (Germany)

12.00 – 13.00 Welcome Lunch - Light Buffet Lunch
Trade Exhibition Opening

Session 1: Cancer development, DNA-damage response and DNA repair
Chairs: Mahmoud Toulany & Hemmo Meyer

13.00 – 13.15
Opening Address
Verena Jendrossek

13.15 – 13.35
“Break-induced replication mediates repair of collapsed DNA replication forks and tandem duplications in cancer cells”
Thanos Halazonetis (Switzerland)
13.35 – 13.45 *Questions*

13.45 – 14.05
“NEK1 phosphorylates RAD54 to promote homologous recombination”
Markus Löbrich (Germany)
14.05 – 14.15 *Questions*

14.15 – 14.25
Proffered Paper 1: “Backup end joining of DSB repair plays a key role in the formation of ionising radiation induced translocations”
Aashish Soni (Germany)
14.25 – 14.30 *Questions*

14.30 – 14.40
Proffered Paper 2: “The Protein phosphatase 1 (PP1) nuclear targeting subunit PNUTS restrains ATR signalling”
Randi G. Syljuåsen (Norway)
14.40 – 14.45 *Questions*

14.45 – 15.05

“Signalling mechanisms in the DNA double-strand break response”

Niels Mailand (Denmark)

15.05 – 15.15 *Questions*

15.15 – 15.45 Coffee Break

Session 2: Tumour biology and treatment I

Chairs: Alexander Schramm & Martin Schuler

15.45 – 16.05

“Cancer evolution and diversity within tumours”

Nicholas McGranahan (UK)

16.05 – 16.15 *Questions*

16.15 – 16.35

“Quantifying metabolic flux alterations in cancer”

Tomer Shlomi (Israel)

16.35 – 16.45 *Questions*

16.45 – 16.55

Student Talk 1: “Targeting Glutaminolysis and Glutathione system to overcome radiation resistance induced by chronic-intermittent hypoxia”

Johann Matschke (Germany)

16.55 – 17.00 *Questions*

17.00 – 17.20

“miRNA and Cellular Response to Irradiation”

Ya Wang (USA)

17.20 – 17.30 *Questions*

17.30 – 18.15 GRK1739 Lecture

“Predictive and Prognostic Assays for Precision Prostate Cancer Medicine”

Robert Bristow (Canada)

18.15 – 18.25 *Questions*

18.30 – 20.30 Welcome Reception with light refreshments & Poster Defence Session 1
Trade Exhibition

Friday 06 February 2015

Session 3: Translational approaches

Chairs: Franz Rödel & Shirley Knauer

08.00 – 08.30 Session 2 Posters may be put up

08.30 – 08.50

“Novel approaches to overcome the adverse effects of ionising radiation”

Verena Jendrossek (Germany)

08.50 – 09.00 *Questions*

09.00 – 09.10

Proffered Paper 3: “The radiosensitising effects of Nelfinavir on pancreatic cancer with and without pancreatic stellate cells”

Thomas Brunner (Germany)

09.10 – 09.15 *Questions*

09.15 – 09.25

Student Talk 2: “Radiosensitisation and downregulation of HIF-1 signaling by HDAC inhibition in hypoxia treated prostate cancer cell lines”

Marte Jonsson (Norway)

09.25 – 09.30 *Questions*

09.30 – 09.50

“Enhancing radiotherapy efficiency with the DNA repair inhibitors DBAIT”

Marie Dutreix (France)

09.50 – 10.00 *Questions*

10.00 – 10.20

“Targeting DNA repair”

Thomas Helleday (Sweden)

10.20 – 10.30 *Questions*

10.30 – 11.00 Coffee Break**Session 4: Tumour biology and treatment II**

Chairs: Heid Lyng & George Iliakis

11.00 – 11.20

“Circulating biomarkers for treatment stratification and patient monitoring in cancer”

Caroline Dive (UK)

11.20 – 11.30 *Questions*

11.30 – 11.40

Proffered Paper 4: “An “-omics” approach to identify molecular targets and signaling networks associated with radiosensitivity”

Anne Gürtler (Germany)

11.40 – 11.45 *Questions*

11.45 – 11.55

Proffered Paper 5: “Screening for DNA methylation differences identifies diacylglycerol kinase alpha as a novel marker for radiotherapy-induced fibrosis”

Odilia Popanda (Germany)

11.55 – 12.00 *Questions*

12.00 – 12.45 Keynote Lecture

“miRNA in Cancer”

Carlo Croce (USA)

12.45 – 12.55 *Questions*

13.00 – 14.00 Lunch

13.00 – 15.00 Poster Defence Session 2
Trade Exhibition

Session 5: Tumour biology and treatment III

Chairs: Martin Pruschy & Eric Metzen

15.00 – 15.10

Proffered Paper 6: “Insights into Ribonucleotide Reductase (RNR) regulation during cell cycle progression and DNA damage response”

Vincenzo D’Angiolella (UK)

15.10 – 15.15 *Questions*

15.15 – 15.25

Proffered Paper 7: “VEGF isoform mediated tumour response to combination treatment with a blocking antibody to VEGFR-2 and radiotherapy”

Debayan Mukherjee (UK)

15.25 – 15.30 *Questions*

15.30 – 15.40

Student Talk 3: “Targeting BCL-2 family members to overcome radioresistance in non-small cell lung cancer”

Sarah Wieczorek (Germany)

15.40 – 15.45 *Questions*

15.45 – 16.30 Keynote Lecture

“Metabolic Adaptation in Cancer Cells ”

Tak Mak (Canada)

16.30 – 16.40 *Questions*

16.45 – 19.45 Guided Tour (pre-booked optional extra)

20.00 Conference Dinner - Hotel-Restaurant Margarethenhöhe
(pre-booked optional extra)

Saturday 07 February 2015

08.30 – 09.00 Satellite Symposium with coffee and pastries - see Sponsors page for further information (final page)

Session 6: Biology approaches to particle therapy Chairs: Udo Gaipl & Martin Stuschke

09.00 – 09.20

“Biology of particle therapy versus photon therapy”

Martin Pruschy (Switzerland)

09.20 – 09.30 Questions

09.30 – 09.50

“Non-targeted effects of proton and photon therapy”

Gabriele Multhoff (Germany)

09.50 – 10.00 Questions

10.00 – 10.20

Young Investigator Award “Exploiting the DNA damage response to improve the targeted therapy of neuroendocrine tumours”

Julie Nonnekens (Netherlands)

10.20 – 10.30 Questions

10.30 – 10.50 Coffee Break
Session 2 Posters may be taken down

Session 7: Radiation response and tumour microenvironment

Chairs: Thomas Brunner & Verena Jendrossek

10.50 – 11.10

“Immune-Priming of the Tumour Microenvironment by Radiotherapy”

Gabriele Niedermann (Germany)

11.10 – 11.20 Questions

11.20 – 11.30

Proffered Paper 8: “Modulation of radiochemoimmunotherapy-induced B16 melanoma cell death by zVAD-fmk has immunostimulant anti-tumour effects”

Udo Gaipl (Germany)

11.30 - 11.35 Questions

11.35 – 12.20 GRK1739 Lecture

“The irradiated tumour microenvironment”

Mary Helen Barcellos-Hoff (USA)

12.20 – 12.30 Questions

12.30 – 12.45 Summary of Meeting & Announcement of prize winners

12.45 – 13.45 Lunch & Depart