



International Conference GRK 1739
Radiation induced DNA damage and beyond:
From molecular mechanisms to innovative concepts in the treatment of cancer

25-26 October 2019
Essen, Germany

Friday 25.10.2019

- 14:30 Welcome with coffee and tea
15:00 Introduction GRK 1657 Darmstadt and GRK 1739 Essen
15:30 Young Investigator Session: Meet the Expert with all speakers
Until 16:30
16:45 YOUNG INVESTIGATOR LECTURE
Julian Stingele, University München
DNA-protein crosslinks: endogenous origins and cellular responses
17:30 KEYNOTE ADDRESS
Marc Dewhirst, Duke University, Durham
Mechanisms underlying tumor hypoxia development and a new perspective on how to eliminate it in the context of targeted therapies
Until 18:15
19:00 Dinner Restaurant Hülsmannshof

Saturday 26.10.2019

- 09:00 Poster viewing
09:30 KEYNOTE ADDRESS
Harald Paganetti, Massachusetts General Hospital, Boston
Generic and personalized biological treatment optimization in proton therapy
10:15 INVITED TALK
Fijs van Leeuwen, University Medical Center, Leiden
Image guided surgery - transitioning from morphological imaging to the imaging of molecular targets
10:45 *Coffee break*
11:15 INVITED TALK
Peter van Luijk, University of Groningen
Novel approaches to normal tissue sparing: target cell localization and organ interactions
11:45 INVITED TALK
Elisabeth Martinez, UT Southwestern Medical Center Dallas
Cross talk between DNA repair and histone methylation pathways: new therapeutic opportunities
12:15 **Proffered Paper 1**
selected from abstracts



12:45 *Lunch and **Poster Discussion Session***

14:30 INVITED TALK

Holger Sültman, DKFZ and NCT Heidelberg

Monitoring tumor therapy with liquid biopsies

15:00 INVITED TALK

Ranjit Bindra, Yale School of Medicine, New Haven

Exploiting unexpected metabolic vulnerabilities in adult and pediatric glioma using novel radiosensitization approaches: Bench-to bedside at the speed of Yale Science

15:30 **Proffered Paper 2**

selected from abstracts

16:00 *Coffee break*

16:15 KEYNOTE ADDRESS

Fei Fei Liu, Ontario Cancer Institute, Toronto

Challenges and Opportunities in Targeting Metabolic Dysregulation for Radiation Fibrosis

17:00 Poster Price

17:15 Departure

Venue

Universitätsklinikum Essen,

Medizinisches Forschungszentrum