

Monday, September 27 2021**DeGBS Young Investigators Session “Career Morning”**

Chairs: Johann Matschke, Nina Struve, Felix Meyer

Young Investigator Session – Funding opportunities		
10:00	10:30	Kaitlin Kammerlander, PTKA/Projekträger Karlsruhe BMBF funding opportunities
10:30	11:00	Inga Melzer, Mildred-Scheel Nachwuchscenter Hamburg German Cancer Aid funding opportunities
11:00	11:30	Nils Cordes, OncoRay Dresden (to be confirmed) DFG funding opportunities
11:30	12:30	Round-table Discussion & Networking
12:30	12:45	Break

Opening Ceremony

12:45	12:50	Kai Rothkamm (Organising Committee)
12:50	13:00	Verena Jendrossek (President, German Society of Biological Radiation Research)

Session I: Fundamental Mechanisms in Radiation Biophysics and DNA Repair

Chairs: TBA

13:00	13:30	Keynote Lecture I: Helle Ullrich , Mainz TBA
13:30	13:45	Amira Elbakry , Darmstadt ATRX and RECQ5 Define Distinct Homologous Recombination Subpathways
13:45	14:00	Fanghua Li , Essen SCFSKP2 regulates APC/CCDH1-mediated degradation of CTIP to adjust DNA-end resection in G2-phase
14:00	14:15	Ruth Winter , Heidelberg Heterochromatin network organization and repair dynamics after DNA radiation damaging analyzed by localization microscopy and algebraic topology
14:15	14:30	Sarah Rudigkeit , Munich CeCILE – an artificial intelligence based cell-detection for the evaluation of radiation effects in eukaryotic cells
14:30	14:45	Franz Rödel , Frankfurt Discovery of novel radiosensitizers targeting the heterotetramer Survivin-DNA-PKcs complex in DNA damage repair

14:45	15:00	Coffee Break
15:00	16:30	Poster Session I: 3 min flash talk per poster
		P1 15:00, P2 15:05, P3 15:10, P4 15:15, P5 15:20, P6 15:25, P7 15:30, P8 15:35, P9 15:40, P10 15:45, P11 15:50, P12 15:55, P13 16:00, P14 16:05, P15 16:10, P16 16:15, P17 16:20
16:30	16:45	Coffee Break
DeGBS Awards Ceremony		
Chairs: Verena Jendrossek and Udo Gaipl		
16:45	17:30	Best Paper of the Year Awards

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Tuesday, September 28 2021

08:55	09:00	Opening day 2
<h3>Session II: DNA Damage Response, Cell Signaling, Immune Effects, Biomarkers</h3>		
Chairs: TBA		
09:00	09:30	Keynote Lecture II: Marc Vooijs , Maastricht, NL TBA
09:30	09:45	Johann Matschke , Essen Dissecting the metabolic response of cancer cells to ionizing radiation reveals metabolic bottlenecks of cancer cells exposed to radiotherapy
09:45	10:00	Michael Orth , Munich Inhibition of HSP90 as a Strategy to Radiosensitize Glioblastoma: Targeting the DNA Damage Response and Beyond
10:00	10:15	Michael Rückert , Erlangen Radio(immuno)therapy re-shapes the intratumoral and systemic immune cell composition
10:15	10:30	Lisa Sevenich , Frankfurt The effect of radio-immunotherapy in a breast-to-brain metastasis model is affected by the immune suppressive myeloid compartment
10:30	10:45	Maren Strack , Freiburg Human bone marrow-derived mesenchymal stromal cells increase glioblastoma radioresistance
10:45	11:00	Coffee break
11:00	13:00	Poster session II: 3 min flash talks P1 11:00, P2 11:05, P3 11:10, P4 11:15, P5 11:20, P6 11:25, P7 11:30, P8 11:35, P9 11:40, P10 11:45, P11 11:50, P12 11:55, P13 12:00, P14 12:05, P15 12:10, P16 12:15, P17 12:20, P18 12:25, P19 12:30, P20 12:35, P21 12:40, P22 12:45, P23 12:50, P24 12:55
13:00	13:45	Lunch Break
<h3>Session III: DeGBS/DEGRO Session Translational Radiobiology</h3>		
Chairs: TBA		
13:45	14:15	Keynote Lecture III: Franziska Eckert , Tübingen TBA
14:15	14:30	Mohamed Elsesy , Hamburg Preclinical models of castration-resistant human prostate cancer to improve searching for new therapeutic opportunities

14:30	14:45	Christine Hansel , Essen SASP-inhibition protects against radiation-induced acute effects of bronchial-epithelial cells
14:45	15:00	Henrike Zech , Hamburg Patient derived ex vivo slice cultures demonstrate a profound DNA double-strand break repair defect in HPV-positive OPSCC
15:00	15:15	Alexander Rühle , Freiburg The interaction between plasma interleukin-6 and tumor hypoxia during chemoradiation for head-and-neck cancer patients
15:15	15:30	Mahmoud Toulany , Tübingen Co-targeting of Axl and MerTK improves radiotherapy response of head and neck squamous cell carcinoma
15:30	15:45	Coffee Break
15:45	17:10	Poster session III: 3 min flash talk per poster
		P1 15:45, P2 15:50, P3 15:55, P4 16:00, P5 16:05, P6 16:10, P7 16:15, P8 16:20, P9 16:25, P10 16:30, P11 16:35, P12 16:40, P13 16:45, P14 16:50, P15 16:55, P16 17:00
17:15	18:15	DeGBS General Assembly (members only)

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Wednesday, September 29th 2019

08:55		Opening day 3
Radiobiology of Non-Ionising and High LET Radiation		
Chairs: TBA		
09:00	09:30	Keynote Lecture IV: Martin Röösl , Basel 5G: exposure of the population and evaluation of health risks
09:30	09:45	Lisa Deloch , Erlangen Radon has an influence on immune cells in an experimental model for rheumatoid arthritis in an ex vivo and in vivo setting
09:45	10:00	Alexander Helm , Darmstadt Carbon ions in combination with immune checkpoint inhibitors reduce the number of lung metastases in a mouse osteosarcoma model
10:00	10:15	Coffee Break
10:15	12:00	Poster session IV: 3 min flash talks P1 10:15, P2 10:20, P3 10:25, P4 10:30, P5 10:35, P6 10:40, P7 10:45, P8 10:50, P9 10:55, P10 11:00, P11 11:05, P12 11:10, P13 11:15, P14 11:20, P15 11:25, P16 11:30, P17 11:35, P18 11:40, P19 11:45, P20 11:50, P21 11:55
12:00	12:10	Coffee Break
12:10	12:25	Antje Dietrich , Dresden Does radiochemotherapy with photons translate to protons? Investigations on pancreas carcinoma patient-derived organoids
12:25	12:40	Tabea Pfuhl , Darmstadt Local Effect Model V: Improved RBE predictions by considering secondary electron spectra
12:40	12:55	Judith Reindl , München Proton-FLASH – In-vivo effects of ultrahigh dose-rate irradiation
13:00	13:45	Awards Ceremony and Farewell
		Best Presentations Awards and Welcome to DeGBS 2022 (jDeGBS?)
13:45		End of the Conference