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Seminar Programme „GRK 2762 / Radiation Sciences“

Venue: Institute of Cell Biology, Virchowstr. 173, 1st floor, seminar room 1.017

2024/2025	Student chair	Lecture 5.00 – approx. 6.00 pm (incl. discussion)	Progress report approx. 6.00 – 6.30 pm (incl. discussion)	Signature
15 Oct	Razan Hessenow & Vaanilaa Ketheeswaranathan	Verena Jendrossek Tumor microenvironment and therapy resistance	Janina Janetzko Impact of mutations on radiation response in lung cancer	
28 Oct (Monday, 4pm, WTZ-Stationenhaus)	Xiaoqing Xu	Mechthild Krause (University Hospital Dresden) Ways to biologically optimized radiotherapy on-site only, no digital access		
29 Oct	Julia Asche & Lisa Stasch	Progress report session 1 <ul style="list-style-type: none"> • Mario Hetzel: Biomarkers of pneumonitis and lung fibrosis upon thoracic RT/RCTx with or without concomitant anti-PD-L1 antibody therapy • Manal Abualarjah: DSB repair pathway balance in lung cancer cells of varied radiosensitivity. Coordination with DNA damage checkpoints • Zaher Fattah: Impact of LKB1 status and HDAC6 inhibition on DNA repair after ionizing radiation 		
11 Nov (Monday, 4pm, WTZ-Stationenhaus)	Marina Martínez-Cruz	Wilhelm Palm (DKFZ Heidelberg) Metabolic Stress Adaptations in Cancer on-site only, no digital access		
12 Nov	Ramtin Omid Shafaat & Nikita Gorainow	Lab visit reports + Progress report session 2 <ul style="list-style-type: none"> • Adila Apsara: Role of host microbiota for radiation-induced lung toxicity • Vuk Dinovic: Radiotherapy-induced tumor and stromal cell state regulation in PDAC • Merle Schaffrin: KDM5B's role in creating synthetic vulnerabilities in combination with radiotherapy in melanoma cells 		
25 Nov (Monday, 4pm, WTZ-Stationenhaus)	Lara Breuer	Margret Schottelius (AGORA Cancer Research, Lausanne) Tbd on-site only, no digital access		

26 Nov	Manal Abualarjah & Lisa Gustrau	Career session: Lab visit reports Lara Schmalenstroer: Lab visit @City of Hope, USA (07-10/2024) Razan Hessenow: Lab visit @University of Toronto, Canada (07-09/2024)	
17 Dec	Sarah Etemadi Afshar & Rohit Mallick	Almut Schulze (DKFZ Heidelberg) tbd	
14 Jan	Merle Schaffrin & Zaher Fattah	Progress report session 3 <ul style="list-style-type: none"> • Ramtin Omid Shafaat: Interplay of exosomal miRNAs and genomic alteration in radiation response modulation and use as prognostic factors in NSCLC • Lisa Stasch: Establishment of complex spheroids and lung organoids as an alternative 3D in vitro model • Lisa Gustrau: Myc-mediated effects on genome integrity as opportunities for future lung cancer therapies 	
28 Jan	Janina Janetzko & Vuk Dinovic	Marija Trajkovic-Arsic Sex specific differences in tumor metabolism – yes or no?	Nikita Gorainow Optimizing combined radiotherapy with clinically relevant drugs for treating pediatric diffuse intrinsic pontine glioma (DIPG)
11 Feb	Alireza Dostmohammadi & Lara Schmalenstroer	Kevin Thurley (University of Bonn) tbd	
25 Feb	Adila Apsara & Mario Hetzel	Urszula Cytlak-Chaudhuri (University of Manchester) Radiotherapy-induced toxicity of normal tissues	