

Name \_\_\_\_\_

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

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