

Name \_\_\_\_\_

**Seminar Programme „Radiation Sciences“**

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

<b>2022</b>	<b>Host</b>	<b>Student chair</b>	<b>Lecture 17:00 – 17:45 (incl. 15 min. discussion)</b>	<b>Progress Report 17:45 – 18:30 (incl. 15 min. discussion)</b>	<b>Signature</b>
<b>12.04.</b>	Jendrossek	Teresa Bernardo	<b>Björn Scheffler</b> Application of patient samples to translational oncology	<b>Mikhail Kunin</b> Metabolic induction of cancer cell radiosensitivity to IR	
<b>26.04.</b>	Timmermann	Razan Hessenow	<b>Benjamin Koska</b> Impact of beam properties for uveal melanoma proton therapy	<b>Katharina Eul</b> Influence of altered metabolic pathways on the therapeutic radiation response of tumors	
<b>10.05.</b>	Klein	Safa Larafa	<b>Alexandra Gellhaus</b> Impaired lymphangiogenesis during spiral arterial remodelling upon soluble VEGFR1 (sFLT1) in the hypertensive pregnancy disorder preeclampsia	<b>Xixi Lin</b> Studies on the mechanisms of lung and ovarian tumor radiosensitization with BMN673 in combination with ATR inhibitors	
<b>24.05.</b>	Herrmann/ Lückerath	Mei Liu	<b>Katharina Lückerath</b> Imaging in Nuclear-Oncology	<b>Mei Liu</b> Effects of the topological disorganization of chromatin by CTCF suppression on DSB induction, DSB induced signaling and the choice of the DSB repair pathway	
<b>07.06.</b>	Herrmann/ Lückerath	Xixi Lin	<b>Marija Trajkovic-Arsic</b> Cancer, resistance and metabolism- examples on pancreatic ductal adenocarcinoma	<b>Safa Larafa</b> Targeting metabolic cancer cell plasticity to overcome escape from radiotherapy	

<b>21.06.</b>	Klein	Katharina Eul	<b>Carsten Herskind</b> tba	<b>Razan Hessenow</b> Impact of radiation quality (photons vs protons) on molecular and cellular responses	
<b>05.07.</b>	Timmermann	Mikhail Kunin	<b>Maximilian Bäcker</b> Range verification in proton therapy: from nuclear physics to the hospital	<b>Teresa Bernardo</b> Preclinical research on the proton therapy of sarcoma against the background of a variable LET-RBC concept, fractionation and sequence	
<b>19.07.</b>	Jendrossek	N.N.	<b>Silvia Vega Rubin de Celis</b> Autophagy in tumor biology and therapy response	N.N.	

**Format:** For each seminar a **nominated student chair** will lead and host the discussion with the session's **assigned scientific coordinator** taking a supportive background role. Thus, the hosts are expected to prepare well to ensure a lively discussion, also selecting people in the audience to respond ad hoc.