

Name _____

Seminar Programme „Radiation Sciences“

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

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

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