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Seminar Programme „GRK 2762 / Radiation Sciences“

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

2024	Student chair	Lecture 5.00 – approx. 6.00 pm (incl. discussion)	Progress report approx. 6.00 – 6.30 pm (incl. discussion)	Signature
15 Apr <i>(Monday, 2-4 pm CT)</i>		Daniel Hoffmann More knowledge from experiments by better statistics	<i>Progress report provided by a student of the BIOME Computational Biomedicine core</i>	
23 Apr		Progress report session 1¹ <ul style="list-style-type: none"> • Nina Dietzel: Modulation of stroma-immune interaction to prevent RT-induced cardiac injury • Xiaoqing Xu: Function of Aspirin in genome protection and DSB processing and DOR in the G2 phase of cell cycle • Lara Breuer: Exploring radioimmunotherapy (RIT) as an immunomodulatory therapy in quasi-mesenchymal (QM) versus classic PDAC 		
29 Apr <i>(Monday, 2-4 pm CT)</i>		Simo Kitanovski Analysis of adaptive immune receptor repertoires	<i>Progress report provided by a student of the BIOME Computational Biomedicine core</i>	
07 May		Progress report session 2¹ <ul style="list-style-type: none"> • Yao Wang: Modulation of DNA end resection as a radiosensitizing strategy in G1-phase cells • Alexander Ziebolz: Title tbd • Sarah Etemadi Afshar: Subtype-specific vulnerabilities of KRAS-driven NSCLC cells with intrinsic or adaptive radiation resistance 		
13 May <i>(Monday, 2-4 pm CT)</i>		Farnoush Farahpour Computational models for modeling heterogeneity in biology	<i>Progress report provided by a student of the BIOME Computational Biomedicine core</i>	

¹ The sessions on 23 April and either 07 May or 18 June will be combined with a guided tour through the department of Radiopharmacy. Further information will follow.

04 Jun		Emil Mladenov Molecular basis of cell cycle-dependent DNA repair responses and their implementation for cancer therapy	Maja Buchholzki Characterization of the dynamics of radiation-induced senescence in normal lung tissue cells and of their consequences for radiation-induced lung injury	
18 Jun		tbd tbd	Julia Asche Effect of KRAS gene dosage and molecular subtype on radiosensitivity in PDAC	
25 Jun		Russel Rockne Translating mathematical models of targeted radionuclide therapy into the clinic	Marina Martínez Cruz Role of molecular heterogeneity for radiation resistance and metastatic ability in NSCLC	
02 Jul		Lisa Deloch² Gender and Inflammation as Influencing Factors in Radiation Response: What can we learn from Low-Dose Radiotherapy?	Janina Janetzko Impact of somatic Lamin mutations on radiation response in lung cancer	
16 Jul		<i>Wild card:</i> <i>Gender equality in research</i>		

² This session is part of the lecture series "Sex and gender in the life sciences", organized by UDE's DFG networks in the field of Biomedical Sciences in cooperation with Erwin L. Hahn Institute (Dr. Franziska Günther), Essen College of Gender Research (Dr. Maren Jochimsen) and Center of Medical Biotechnology (Dr. Maike Müller).