



OncoRay Journal Club

Schedule 2019:

Date	Presented papers	
17.01.2019	Medical Radiation Physics: Jan Eulitz	Molecular and Cellular Radiobiology: Josephine Görte
14.02.2019	Translational Radiooncology: Theresa Suckert	Molecular and Cellular Radiobiology: Sara Sofia Deville
28.03.2019	SONO-RAY: Soňa Michlíková	Image Guided High Precision Radiotherapy: Sarah Stefanowicz
11.04.2019	Translational Radiooncology: Treewut Rassamegevanon	High Precision Radiotherapy: Jonathan Berthold
16.05.2019	Tumor Invasion and Metastasis: Leon Jonas Blankenstein	Translational Radiooncology: Lina Lüttich
13.06.2019	Tumor Pathophysiology: Antonia Ullmann	Translational Radiooncology: Hannah Hiepe
11.07.2019	Tumor Pathophysiology: Theresa Angles	Preclinical Imaging: Rozina Aktar
15.08.2019	Clinical Radiooncology: Rebecca Bütöf	Laser-Radiooncology: Sebastian Uber
12.09.2019	Biomarker for Individualized RT: Jacqueline Nathansen	Medical Radiation Physics: Christian Hahn
17.10.2019	Biomarker for Individualized RT: Franziska Schwarz	Medical Radiation Physics: Nils Peters
14.11.2019	Modeling and Biostatistics: Sebastian Starke	MRI-based Radiation Therapy Planning: Sebastian Gantz
12.12.2019	Molecular and Cellular Radiobiology: Irina Korovina	In vivo Dosimetry: Felicia Permatasari

Organizer: Armin Lühr & Claudia Peitzsch

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17.01.2019	Peeler et al. 2016, Radiotherapy & Oncology, Clinical evidence of variable proton biological effectiveness in pediatric patients treated for ependymoma.	Vlachogiannis et al. 2018, Science, Patient-derived organoids model treatment response of metastatic gastrointestinal cancers.
14.02.2019	Liu et al. 2019, Radiotherapy & Nature Cell Biology, An IRAK1–PIN1 signalling axis drives intrinsic tumour resistance to radiation therapy.	Favaudon et al. 2014, Sci. Transl. Med., Ultrahigh dose-rate FLASH irradiation increases the differential response between normal and tumor tissue in mice
28.03.2019	Houweling et al. 2017. Comparing the dosimetric impact of interfractional anatomical changes in photon, proton and carbon ion radiotherapy for pancreatic cancer patients. Phys. Med. Biol.	Wu et al. 2018, Ultradian calcium rhythms in the paraventricular nucleus and subparaventricular zone in the hypothalamus. PNAS.
11.04.2019	Strilic et al. 2016, Nature, Tumour-cell-induced endothelial cell necroptosis via death receptor 6 promotes metastasis.	Xie et al. 2017, IJROBP, Prompt Gamma Imaging for In Vivo Range Verification of Pencil Beam Scanning Proton Therapy.
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