

ICTR-PHE 2016

Tuesday, 16 February 2016

New Technologies: New Technologies (14:15 - 15:45)

-Conveners: Wolfgang Enghardt; Hans-Peter Meinzer

time	[id] title	presenter
14:15	[173] MRI for external beam radiotherapy guidance	LAGENDIJK, Jan
14:45	[172] MRI Guided Proton Therapy: pencil beam scanning in an MRI fringe field	OBORN, Brad
15:00	[171] Nanoparticle Enhanced MRI-Guided Radiation Therapy: Final proof of concept before phase I trial	KOTB, Shady
15:15	[170] Hadron minibeam radiation therapy: feasibility study at the Heidelberg IonBeam Therapy Center (HIT)	MARTÍNEZ-ROVIRA, Immaculada
15:30	[169] Evaluation of long-term effects of synchrotron-generated microbeams on rat hippocampal neurogenesis	BRAVIN, Alberto

New Technologies (16:15 - 17:30)

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time	[id] title	presenter
16:15	[32] Big Data in Radiation Oncology: data gathering, data processing, algorithms and clinical impact	MAIER-HEIN, Klaus
16:45	[33] Expert knowledge and data-driven Bayesian Networks to predict post-RT dyspnea and 2-year survival	DEIST, Timo
17:00	[34] Dosimetry of ultra high dose rate irradiation for studies on the biological effect induced in normal brain and GBM	PETERSSON, Kristoffer
17:15	[35] Geant4 coupled with Comsol heat transfer simulations to determine correction factors of a novel micro-calorimeter	FATHI, Kamran