

3rd Heidelberg Symposium on Novel Techniques in Ion Beam Radiotherapy

Topic: Visions for Ion Beam Radiotherapy Beyond 2030

Program

Monday 15.10.18	Session / Title	Chairs / Speakers
8:30 - 9:15	Registration	
9:15 - 9:30	Welcome	
9:30 - 10:15	Medicine:	Chairs: P. Fossati (MedAustron, Austria) S. Combs (Munich, Germany)
	Title t.b.a.	Jürgen Debus (UK HD)
10:15 - 10:30	Discussion	
10:30 - 11:00	<i>Coffee</i>	
11:00 - 12:30	Treatment strategies: The role of particles in combination therapy	Chairs: M. Bangert (DKFZ) H. Hauswald (MIT, Germany)
11:00 - 11:30	Title t.b.a.	S. Combs (Munich, Germany)
11:30 - 12:00	Mathematical model based combination therapy screening: enhancing synergy of radio- and immunotherapy	J. Poleszczuk (Warsaw, Poland)
12:00 - 12:30	Discussion	
12:30 - 14:00	<i>Lunch</i>	
14:00 - 15:30	Influence of new IT technologies on ion RT	Chairs: M. Alber (UK HD) K. Giske (DKFZ)
14:00 - 14:30	How Artificial Intelligence transforms Radiation Therapy	G. Valdes (USA)
14:30 - 15:00	How to share and crunch big (diverse and personal) RT data	T. Skripcak (Dresden, Germany)
15:00 - 15:30	Discussion	
15:30 - 16:00	<i>Coffee</i>	
16:00 - 18:00	Poster session	
	<i>Dinner</i>	
Tuesday 16.10.18		
9:00 - 10:30	Image guidance: General	Chairs: A. Lomax (PSI, Switzerland) t.b.a.
9:00 - 9:30	Interfractional changes in different body regions	M. Schwarz (Trento, Italy)
9:30 - 10:00	Intrafractional changes in different body regions	A. Knopf (Groningen, Netherlands)

10:00 - 10:30	Discussion	
10:30 - 11:00	Coffee	
11:00 - 12:30	Image guidance: Anatomical tracking	Chairs: O. Jäkel (DKFZ) R. Amos (Surrey, UK)
11:00 - 11:30	MR guidance in ion RT	W. Enghardt (Dresden, Germany)
11:30 - 12:00	Ion radiography & CT	P. Evans (UK)
12:00 - 12:30	Discussion	
12:30 - 14:00	Lunch	
14:00 - 15:30	Image guidance: Beam tracking	Chairs: M. Ellerbrock (HIT) N. Matsufuji (NIRS, Japan)
14:00 - 14:30	Prompt photons	J. Seco (DKFZ)
14:30 - 15:00	Prompt secondary ions	V. Patera (Rome, Italy)
15:00 - 15:30	Discussion	
15:30 - 16:00	Coffee	
16:00 - 17:00	Keynote talk: First experiences with MR-Linac	J. Hörner-Rieber (UKHD)
Wednesday 17.10.18		
9:00 - 10:30	Radiobiology1	Chairs: A. Lühr (Dresden, Germany) C. Glowa (DKFZ)
9:00 - 9:30	How do molecular mechanisms impact the RBE in patients?	B. Sorensen (Aarhus, Denmark)
9:30 - 10:00	To what extent do we have to validate RBE-models?	C. Karger (DKFZ)
10:00 - 10:30	Discussion	
10:30 - 11:00	Coffee	
11:00 - 12:30	Radiobiology2	Chairs: A. Mairani (HIT) K. Herfarth (UKHD)
11:00 - 11:30	To what extent do we have to improve RBE-models?	M. Scholz (GSI, Germany)
11:30 - 12:00	How much do we depend on RBE-models in the clinic?	P. Fossati (MedAustron, Austria)
12:00 - 12:30	Discussion	
12:30 - 12:45	Closing	& Poster Award
12:45 - 14:00	Lunch	