



RESEARCH COURSE IN RADIOTHERAPY PHYSICS

Part 1 – VIRTUAL – 15-29 June 2021

Part 2 – LIVE – 24-26 October 2021, Budapest, Hungary

SCIENTIFIC PROGRAMME

PART 1 - VIRTUAL

TUESDAY 15 JUNE

Time	Lecture	Speaker
08.30 - 09.00	Welcome and introduction to the virtual course	B. Heijmen
09.00 - 09.45	Tips and tricks for writing a successful grant proposal	U. van der Heide
09.45 - 10.00	Discussion	
10.00 - 10.45	Trends and research opportunities in PET imaging in radiotherapy	E. Malinen
10.45 - 11.00	Discussion	
11.00 - 11.30	Break	
11.30 - 12.15	Tips and tricks for writing a scientific paper and get it accepted	C. Fiorino
12.15 - 12.30	Discussion	

TUESDAY 22 JUNE

Time	Lecture	Speaker
08.30 - 09.15	Trends and research opportunities in MR imaging in radiotherapy	U. van der Heide
09.15 - 09.30	Discussion	
09.30 - 10.15	Trends and research opportunities in IGRT and adaptive therapy to compensate for anatomical variations	M. Hoogeman
10.15 - 11.00	Discussion	
11.00 - 11.30	Break	
11.30 - 12.15	Trends and research opportunities in treatment planning	B. Heijmen
12.15 - 12.30	Discussion	
12.30 - 13.15	Trends and research opportunities in particle beam therapy	O. Jäkel
13.15 - 13.30	Discussion	

THURSDAY 24 JUNE

Time	Lecture	Speaker
08.30 - 09.15	Trends and research opportunities in radiotherapy dosimetry	E. Malinen
09.15 - 09.30	Discussion	
09.30 - 10.15	Trends and research opportunities in dose response modelling	C. Fiorino
10.15 - 10.30	Discussion	
10.30 - 11.00	Break	
11.00 - 11.45	Trends and research opportunities in biophysics in RT	P. van Luijk
11.45 - 12.00	Discussion	

TUESDAY 29 JUNE

Time	Lecture	Speaker
08.30 - 09.15	Trends and research opportunities in respiratory motion management	S. Korreman
09.15 - 09.30	Discussion	
09.30 - 10.15	Trends and research opportunities in brachytherapy physics	TBC
10.15 - 10.30	Discussion	
10.30 - 11.00	Break	
11.00 - 11.45	Extreme spatio-temporal modulation of radiation fields: Microbeam RT and FLASH	U. Oelfke
11.45 - 12.00	Discussion	
12.00 - 12.45	GENERAL Q&A SESSION	

PART 2 - LIVE

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SUNDAY 24 OCTOBER

Time	Activity	Speaker
10.00 - 11.00	Welcome and introduction to the live course	
11.00 - 12.30	Development of Research proposals ROUND 1	
12.30 - 13.30	Lunch	
13.30 - 15.00	Development of Research proposals ROUND 1	
15.00 - 15.30	Coffee break	
15.30 - 17.00	Development of Research proposals ROUND 1	
17:00 - 18:00	Welcome drink	

MONDAY 25 OCTOBER

Time	Lecture	Speaker
09.00 - 10.30	Development of Research proposals ROUND 1	
10.30 - 11.00	Coffee break	
11.00 - 12.30	Development of Research proposals ROUND 2	
12.30 - 13.30	Lunch	
13.30 - 15.00	Development of Research proposals ROUND 2	
15.00 - 15.30	Coffee break	
15.30 - 17.00	Development of Research proposals ROUND 2	
19.00 - 22.30	Course dinner	

TUESDAY 26 OCTOBER

Time	Lecture	Speaker
09.00 - 10.30	Prepare pitches of research proposals	
10.30 - 11.00	Coffee break	
11.00 - 13.00	Pitches	
12.30 - 13.00	Course evaluation	All