

SCIENTIFIC PROGRAMME

DAY 1 – SUNDAY 29 November

Time	Lecture	Speaker
09.00 - 09.30	Introduction to the course	M. Koritzinsky
09.30 - 10.10	1.1 Importance of radiobiology in the clinic	V. Grégoire
10.10 - 10.40	1.2 Hallmarks of cancer	M. Koritzinsky
10.40 - 11.00	<i>Coffee break</i>	
11.00 - 11.45	1.3 Molecular basis of cell death	M. Koritzinsky
11.45 - 12.30	1.4 Quantifying cell death and survival	S. McMahon
12.30 - 13.00	General discussion	
13.00 - 14.00	<i>Lunch</i>	
14.00 - 14.45	1.5 Tumor growth and response to radiation	K. Haustermans
14.45 - 15.30	1.6 Pathogenesis of normal tissue side effects	R. Coppes
15.30 - 16.00	<i>Coffee break</i>	
16.00 - 16.45	1.7 Quantification of side effects	V. Gregoire
16.45 - 17.00	General discussion	

DAY 2 – MONDAY 30 November

Time	Lecture	Speaker
09.00 - 09.45	2.1 Dose response	L. Marignol
09.45 - 10.30	2.2 DNA damage response	M. Koritzinsky
10.30 - 11.00	<i>Coffee break</i>	
11.00 - 11.45	2.3 LQ approach to fractionation	S. McMahon
11.45 - 12.15	General discussion	
12.15 - 13.15	<i>Lunch</i>	
13.15 - 14.00	2.4 Modified fractionation schedules	V. Grégoire
14.00 - 14.45	2.5 Normal tissues: Tolerance, fractionation, and overall treatment time	R. Coppes
15.45 - 15.15	<i>Coffee break</i>	
15.15 - 16.00	2.6 Volume effect	R. Coppes
16.00 - 16.30	General discussion	

SCIENTIFIC PROGRAMME

DAY 3 – TUESDAY 1 December

Time	Lecture	Speaker
09.00 - 09.45	3.1 LQ Model – introduction to calculations	S. McMahon
09.45 - 10.30	3.2 LQ Model - calculations	K. Haustermans
10.30 - 11.00	<i>Coffee break</i>	
11.00 - 11.45	3.3 LET and RBE	S. McMahon
11.45 - 12.15	General discussion	
12.15 - 13.15	<i>Lunch</i>	
13.15 - 14.00	3.4 Particles in radiotherapy	V. Gregoire
14.00 - 14.45	3.5 Oxygen effect and TME	M. Koritzinsky
14.45 - 15.15	<i>Coffee break</i>	
15.15 - 16.00	3.6 Clinical efforts to modify hypoxia in the clinic	K. Haustermans
16.00 - 16.30	General discussion	

DAY 4 – WEDNESDAY 2 December

Time	Lecture	Speaker
09.00 - 09.45	4.1 Stem cells in radiotherapy	R. Coppes
09.45 - 10.30	4.2 Combined radiotherapy and chemotherapy	L. Marignol
10.30 - 11.00	<i>Coffee break</i>	
11.00 - 11.45	4.3 Biological modifiers – basic principles	M. Koritzinsky
11.45 - 12.15	General discussion	
12.15 - 13.15	<i>Lunch</i>	
13.15 - 14.00	4.5 Biological modifiers in tumors – clinical experience	K. Haustermans
14.00 - 14.45	4.6 Biological modifiers in normal tissues	R. Coppes
14.45 - 15.15	<i>Coffee break</i>	
15.15 - 16.30	4.7 Clinical examples – GU	K. Haustermans

DAY 5 – THURSDAY 3 December

Time	Lecture	Speaker
09.00 - 09.45	5.1 The dose-rate effect	L. Marignol
09.45 - 10.30	5.2 Clinical examples - HN	V. Grégoire
10.30 - 11.00	<i>Coffee break</i>	
11.00 - 11.45	5.3 Retreatment	L. Marignol
11.45 - 12.15	General discussion	
12.15 - 12.45	Closing of the course	M. Koritzinsky