



PROGRAMME

Basic Clinical Radiobiology
Paris, France
16 - 20 September 2017

<i>Saturday 16 September</i>			
	08:00-09:00	Registrations	
	09:00-09:20	Introduction	M. Joiner
	09.20-10.00	1.1 Importance of radiobiology in the clinic	V. Grégoire
	10.00-10.30	1.2 Hallmarks of cancer	M. Koritzinsky
	10.30-11.00	Coffee break	
	11.00-11.45	1.3 Molecular basis of cell death	M. Koritzinsky
	11.45-12.30	1.4 Cell survival - in vitro and in vivo	R. Coppes
	12.30-13.00	General discussion	
	13.00-14.00	Lunch	
	14.00-14.45	1.5 Models of radiation cell killing	M. Joiner
	14.45-15.45	1.6 Pathogenesis of normal tissue side effects	W. Dörr
	15.45-16.15	Coffee break	
	16.15-17.00	1.7 Clinical side effects and their quantification	K. Haustermans

<i>Sunday 17 September</i>			
	09.00-09.45	2.1 The linear-quadratic approach to fractionation	M. Joiner
	09.45-10.30	2.2 Molecular basis of radiation response: DNA repair/checkpoints	M. Koritzinsky
	10.30-11.00	Coffee break	
	11.00-11.30	2.3 Normal tissues: radiosensitivity & fractionation	W. Dörr
	11.30-12.30	2.4 Normal tissues: overall treatment time	W. Dörr
	12.30-13.00	General discussion	
	13.00-14.00	Lunch	
	14.00-15.00	2.5 Modified fractionation in radiotherapy	V. Grégoire
	15.00-15.45	2.6a The LQ-model in practice - introduction to calculations	M. Joiner
	15:45-16:15	Coffee break	
	16.15-17.00	2.6b The LQ-model in practice - examples of calculations	M. Joiner / K. Haustermans
		Social Dinner	

<i>Monday 18 September</i>			
	09.00-09.45	3.1 The volume effect in radiotherapy	W. Dörr
	09.45-10.45	3.2 The oxygen effect, hypoxia and the tumor microenvironment	M. Koritzinsky
	10.45-11.15	Coffee break	
	11.15-12.30	3.3 Clinical efforts to modify tumor hypoxia	K. Haustermans
	12.30-13.00	General discussion	
	13.00-14.00	Lunch	
	14.00-14.45	3.4 Dose-response relationships in radiotherapy	M. Joiner
	14.45-15.30	3.5 LET and RBE	M. Joiner
	15.30-16.00	Coffee break	
	16.00-17.30	3.6 Clinical examples - Head and Neck	V. Grégoire / K. Haustermans

<i>Tuesday 19 September</i>			
	09.00-09.45	4.1 Biological response modifiers in tumours - preclinical	M. Koritzinsky
	09.45-10.30	4.2 Biological response modifiers in tumours - clinical	K. Haustermans
	10.30-11.00	Coffee break	
	11.00-11.45	4.3 Biological modifiers of normal tissue effects	R. Coppes
	11.45-12.30	4.4 Combined radiotherapy and chemotherapy	V. Grégoire
	12.30-13.00	General discussion	
	13.00-14.00	Lunch	
	14.00-14.45	4.5 Retreatment tolerance of normal tissues	R. Coppes
	14.45-15.30	4.6 Biological image guided radiotherapy	V. Grégoire
	15.30-16.00	Coffee break	
	16.00-17.30	4.7 Clinical examples - Lower GI and GU	K. Haustermans / V. Grégoire

<i>Wednesday 20 September</i>			
	09.00-09.45	5.1 Tumor growth and response to irradiation	K. Haustermans
	09.45-10.30	5.2 The dose-rate effect	R. Coppes
	10.30-11.00	Coffee break	
	11.00-11.45	5.3 Particles in radiotherapy	V. Grégoire
	11.45-12.30	5.4 Radiation-induced malignancies	M. Joiner
	12:30-13:00	Course evaluation and certificates	