

# DAILY SCHEDULE

MONDAY, MARCH 27, 2017			
University of Toronto, Best Institute, Room 114, 112 College Street			
8:45-9:00		Coffee served	
8:45-9:00		Introduction to course	Marianne Koritzinsky
9:00-9:45	1	Importance of radiobiology in the clinic	Scott Bratman
9:45-10:30	2	Hallmarks of cancer	Marianne Koritzinsky
10:30-10:45		Break	
10:45-11:30	3	Radiation induced damage and the DNA damage response	Brad Wouters
11:30-12:00	T1	Tutorial and Question period (L2,3)	Marianne, Scott, Brad
12:00-1:00		Lunch	
1:00-1:45	4	Molecular basis of cell death	Brad Wouters
1:45-2:30	5	Cell survival - in vitro and in vivo	Bert van der Kogel
2:30-2:45		Break	
2:45-3:30	6	Quantifying cell kill and cell survival	Mike Joiner
3:30-4:15	7	LET and RBE	Dick Hill
4:15-5:00	T2	Tutorial and Question period (L4,5,6,7)	Brad, Bert, Mike, Dick
TUESDAY, MARCH 28, 2017			
Princess Margaret Cancer Centre, 6-604, Auditorium, 610 University Ave			
8:45-9:00		Coffee served	
9:00-9:45	8	Particles in radiotherapy	Mike Joiner
9:45-10:15	9	Dose rate effect - intro to RB concepts	Bert van der Kogel
10:15-10:30	T3	Tutorial and Question period (L8,9)	Mike, Bert
10:30-10:45		Break	
10:45-11:30	10	Dose response relationships in radiotherapy - TCP, NTCP, therapeutic ratio	Soren Bentzen
11:30-12:15	11	The linear-quadratic approach to fractionation	Mike Joiner
12:15-12:30	T4	Tutorial and Question period (L10,11)	Soren, Mike
12:30-1:30		Lunch	
1:30-2:30	12	Modified fractionation schedules (and limits)	Soren Bentzen
2:30-3:00	T5	Tutorial and Question period (L10-12)	Soren, Mike
3:00-4:00	W	The LQ-model workshop	Mike Joiner and Soren Bentzen

<b>WEDNESDAY MARCH 29, 2017</b>			
<b>University of Toronto, Best Institute, Room 114, 112 College Street</b>			
8:45-9:00		Coffee served	
9:00-9:45	13	Clinical radiobiology of brachytherapy	Gerard Morton
9:45-10:00	T6	Tutorial and Question period (L13)	Bert, Gerard
10:00-10:15		Break	
10:15-11:00	14	Pathogenesis of normal tissue side effects	Shun Wong
11:00-11:45	15	The volume effect in radiotherapy	Bert van der Kogel
11:45-12:45		Lunch	
12:45-1:30	16	Retreatment tolerance of normal tissues	Shun Wong
1:30-2:00	T7	Tutorial and Question period (L14-16)	Shun, Bert
2:00-2:15		Break	
2:15-3:00	17	Oxygen Effect	Marianne Koritzinsky
3:00-3:45	18	Stromal effects	Stan Liu
3:45-4:15	T8	Tutorial and Question period (L17, 18)	Marianne, Stan
4:15-4:30		Break	
4:30-5:15	19	Radiation-induced malignancies	David Hodgson
5:15-5:30	T9	Tutorial and Question period (L19)	David
<b>THURSDAY MARCH 30, 2017</b>			
<b>University of Toronto, Best Institute, Room 114, 112 College Street</b>			
8:45-9:00		Coffee served	
9:00-9:45	20	Stereotactic and high dose radiotherapy	Arjun Saghal
9:45-10:00	T10	Tutorial and Question period (L20)	Arjun
10:00-10:45	21	Tumor growth, stem cells, and response to irradiation	Dick Hill
10:45-11:00	T11	Tutorial and Question period (L21)	Dick
11:00-11:15		Break	
11:15-11:45	22	Hypoxia and tumor microenvironment	Marianne Koritzinsky
11:45-12:00	T12	Tutorial and Question period (L22)	Marianne
12:00-1:00		Lunch	
1:00-1:45	23	Clinical approaches to target hypoxia	Mike Milosevic
1:45-2:30	24	Predictive biomarkers and patient individualization	Rob Bristow
2:30-3:00	T13	Tutorial and Question period (L23,24)	Mike, Rob
<b>FRIDAY MARCH 31, 2017</b>			
<b>University of Toronto, Best Institute, Room 114, 112 College Street</b>			
8:45-9:00		Coffee served	
9:00-9:45	25	Combined radiotherapy and chemotherapy	Anthony Brade
9:45-10:30	26	Biological response modifiers in tumors – approaches and concepts	Marianne Koritzinsky
10:30-10:45		Break	
10:45-11:30	27	Biological response modifiers in tumors – clinical implementation	Athony Brade
11:30-12:00	T14	Tutorial and Question period (L25, 26, 27)	Anthony, Marianne
12:00-12:15		Closing remarks	Marianne Koritzinsky