

7AM	REGISTRATION DESK OPEN 7AM - 5PM				
	COFFEE BREAK WITH EXHIBITORS				
8AM	TR1: Masterclass in the physics of cell irradiation for the non-expert: <i>Mark Hill</i>	TR2: Radiation epigenetics—from mechanism to precision therapy: <i>Olga Kovalchuk</i>	TR3: Do we now have the biomarkers to predict radiotherapy-induced normal tissue toxicity: <i>Olga Martin</i>	TR4: Preclinical models for advanced radiotherapy: <i>Karl Butterworth</i>	
9AM	P1: Visualising the future: Imaging for translational radiation research, David Jaffray, PhD				
10AM	COFFEE BREAK WITH EXHIBITORS				
11AM	S1: Cancer therapies and CTCs <i>Chairs: Olga Martin, Keara Boss</i>	S2: The RBE of proton beam therapy and its clinical significance <i>Chairs: Henning Willers, Antonio Allen</i>	S3: The chemistry of DNA damage, repair and molecular radiotherapy <i>Chairs: David Close, Don Jones</i>	S4: Synthetic lethality revisited: Tumor-selective use of PARP inhibitors for anti-cancer therapy <i>Chair: David Boothman</i>	S5: Therapeutic radiation induced delayed vascular damage <i>Chairs: Mohan Natarajan, Janice Zawaski</i>
12PM	SIT Mentor Luncheon 12:15PM - 1:45PM (by invitation)				
1PM	Poster Session 1: Experimental therapeutics/radiotherapy/translational research				
	Poster Session 2: Experimental therapeutics/radiotherapy/translational research, Epidemiology of cancer and non-cancer diseases				
3PM	S6: Harnessing the power of metabolism to improve radiation therapy <i>Chairs: Rob Griffin, Igor Koturbash</i>	S7: Space radiation and normal tissue injury <i>Chair: Chiara LaTessa</i>	S8: Low dose radiation responses and implications for risk <i>Chair: Gayle Woloschak</i>	S9: Pioneering radiobiology—then and now: A history to honor Jack Fowler and Sir Oliver Scott <i>Chairs: Howard Lieberman, Colin Seymour</i>	S10: Stem cell biology and radiotherapy <i>Chair: Tej Pandita</i>
4PM	COFFEE BREAK WITH EXHIBITORS				
5PM	Failla Award Lecture: Radiation, risk, and randomness Dale Preston, PhD				
6PM					
After 7PM	Welcome Reception 6:45PM-8:45PM Karaoke 8:30PM - 11:30PM SPONSORED BY XSTRAHL				

KEY

CME Lectures

Networking Breaks

Featured Events

	REGISTRATION DESK OPEN 7AM - 5PM			
	COFFEE BREAK WITH EXHIBITORS			
	TR5: Harnessing redox biology for improving cancer therapy outcomes while protecting normal tissue: <i>Douglas Spitz</i>	TR6: How can radiobiology input into (proton) treatment planning in the personalized medicine era: <i>Harald Paganetti</i>	TR7: Cell death: basic concepts and common misconceptions: <i>Lorenzo Galluzi</i>	TR8: Advanced in vivo models for radiation carcinogenesis: chasing non-targeted effects: <i>Anna Saran</i>
	P2: Genomics in the era of advanced radiotherapy: Catharine West, PhD			
	COFFEE BREAK WITH EXHIBITORS			
	S11: RRS/COSPAR joint symposium: The future of space missions <i>Chairs: David Chen, Katherine Castle</i>	S12: Role of innate immune cells in the response to radiation <i>Chair: Sandra Demaria</i>	S13: Chromatin remodeling <i>Chair: Amy Kronenberg</i>	S14: The Potential of nanoparticles: How sophisticated can we get and what is the potential for clinical translation? <i>Chair: Jan Schuemann</i>
	Business Forum with Buffet Lunch 12:15PM - 1:45PM Members only: RSVP required			
	Poster Session 3: Normal Tissue Radiation Responses			
	Poster Session 4: DNA and oxidative damage responses, Cell and tissue kinetics/signaling/microenvironment			
	S15: Prostate cancer genomics and targeting to improve radiotherapy <i>Chair: Rob Bristow</i>	S16: Radiation and circulatory disease <i>Chairs: Carmen Bergom, Marjan Boerma</i>	S17: Radiation-drug combinations to improve clinical outcome and reduce normal tissue toxicity <i>Chair: Pat Prasanna</i>	S18: Signaling and therapy for combined radiation injury <i>Chairs: Juliann Kiang, Evagelia Laiakis</i>
	COFFEE BREAK WITH EXHIBITORS			
	Michael Fry Research Award Lecture: When DNA is actually not a target: radiation epigenetics as a tool to understand and control cellular response to ionizing radiation: <i>Igor Koturbash, PhD</i>			
	Marie Curie Award Lecture: The TCR repertoire or tumor-infiltrating T cells is shaped by treatment with radiotherapy and anti-CTLA-4 and includes shared and unique clonotypes: <i>Nils-Petter Rudqvist, PhD</i>			

7AM	REGISTRATION DESK OPEN 7AM - 12PM			
	COFFEE BREAK WITH EXHIBITORS			
8AM	TR9: Masterclass in normal tissue damage for the non-expert. <i>Marie-Catherine Vozenin</i>	TR10: CRH/RRS Topical Review: Dosimetric considerations for radiation epidemiology studies. <i>Harry Cullings</i>	TR11: Molecular targeting of hypoxia. <i>Marianne Kortzinsky</i>	TR12: The inflammatory nexus in radiation responses. <i>Dorthe Schaub</i>
9AM	P3 SIT: Immune modulation of radiation response: Chasing the drivers: <i>Mary Helen Barcellos-Hoff, PhD</i>			
10AM	COFFEE BREAK WITH EXHIBITORS			
11AM	S19: Precision medicine in radiation oncology <i>Chairs: Tom Hei, John Ng</i>	S20: ISRN/RRS Joint Symposium: Radiation Neurobiology: from basic science to the clinic <i>Chairs: Tomoaki Shirao, Kathryn Held</i>	S21: Recent advances in radiobiophotonics, nanomedicine and imaging <i>Chair: Rao Papineni</i>	S22: Advances in radionuclide therapies <i>Chair: Karl Butterworth</i>
12PM	2nd Council Meeting (Closed Meeting)			
1PM				
2PM				
3PM				
4PM				
5PM	FREE AFTERNOON & EVENING			
6PM				
After 7PM				

KEY

CME Lectures

Networking Breaks

Featured Events

7AM	REGISTRATION DESK OPEN 7AM - 2PM			
	COFFEE BREAK WITH EXHIBITORS			
8AM	TR13: Masterclass in DNA repair translation to the clinic for the non-expert. <i>David Yu</i>	TR14: Radiation-induced second cancers. <i>David Brenner</i>	TR15: Gene editing approaches in radiation research. <i>Chuan-Yuan Li</i>	TR16: Cancer stem cells. <i>Erina Vlashi</i>
9AM	P4: The choreography of DNA repair: A structural perspective: <i>John Tainer, PhD</i>			
10AM	COFFEE BREAK WITH EXHIBITORS			
11AM	Presidential Symposium— Neurobiology and radiation sciences for the future: <i>Frank Pajonk, Kerry O'Banion, Marcelo Wood, Munjal Acharya</i>			
12PM				
1PM	Painter Debate with box lunch (RSVP required for meal) This house believes that the LQ model is not relevant to the high doses per fraction used in SBRT: <i>Mike Joiner, Martin Brown</i>			
	Osborne Lecture: David Kirsch, MD, PhD			
2PM	Poster Session 5: Mutagenesis/clastogenesis/carcinogenesis, Response of the central nervous system to radiation, Epigenetics, and emerging omics approaches, Stem cells, and Mouse models			
3PM	Poster Session 6: Basic science in risk assessment on earth and in space, Track structure and modeling			
4PM	S23: Breast cancer and immune modulation <i>Chair: Wendy Woodward</i>	S24: CRH/RRS Joint Session: Health risks, radiation biomarkers and carcinogenesis <i>Chair:</i>	S25: The role of non-coding RNAs in radiation response <i>Chairs: Mansoor Ahmed, Moty J Aryankalayil</i>	S26: The importance of dosimetry standardization in radiobiology <i>Chair: Brian Marples</i>
5PM	Poster Sessions with Reception PS7: Radiation protection – biosimetry/mitigators/treatment, Physico-chemical events PS8: Late Breaking			
6PM				
After 7PM	Final Night Event 7:15PM (included in attendee registration; guests must be registered separately) SPONSORED BY PRECISION XRAY AND FAXITRON			