

7:00am		Saturday, September 19			
		Registration Desk Open 7am-5pm			
8:00am		Coffee Break with Exhibitors			
9:00am		TR1: Radiation metabolomics: where are we and what can we do with the results? Speaker: Amrita Cheema	TR2: Role of miRNA in radiation response Speaker: Moly Aryankalayil	TR3: Redox regulation of cellular proliferation Speaker: Nukhet Aykin-Burns	TR4: Mediators of radiation bystander effects Speaker: Edouard Azzam
10:00am		P1: Interstellar Chemistry and the Origins of Life Speaker: Thomas Orlando			
		Coffee Break with Exhibitors			
11:00am		S1: Nanotherapeutics and radiation Chair: Dennis Hallahan	S2: Tumor-selective radiosensitizers Chair: David Boothman, Kristoffer Valerie	S3: Radiation effects and the environment Chairs: William Morgan, Rebecca Abergel	S4: Radiation endotheliology Chairs: Mohan Natarajan, Fengtao Su
12:00pm		S5: Transitioning to an independent career Chairs: David Kirsch, Aparna Kesarwala			
1:00pm		Painter Debates with boxed lunch (RSVP required for meal) Introduction to Bob Painter Speaker: Martin Brown This house believes that radiation does not offer any carcinogenic risk to astronauts Pro: Doug Boreham / Con: Michael Weil			
2:00pm		PS1: Physico-chemical events; Track structure and modeling; DNA and oxidative damage responses			
3:00pm		PS2: Mouse models; Epidemiology of cancer and non-cancer diseases			
4:00pm		S6: Galactic cosmic ray environment and simulation for radiobiology Chairs: Chiara La Tessa, Tony Slaba	S7: Radiation combined injury Chairs: Juliann Kiang, Elizabeth Kovacs	S8: Changing paradigms on RBE of proton and particle therapies Chairs: Harald Paganetti, Reza Talei (SIT)	S9: Uncomplicated cures? The fate of cancer survivors. Chairs: Zeljko Vujaskovic, Rosemary Wong
5:00pm		S10: Translating from the laboratory to the patient Chairs: Polly Chang, Douglas Spitz			
		Coffee Break with Exhibitors			
6:00pm		Failla Lecture: Albert Fornace, Jr. The Expanding Scope of Radiation Stress Signaling			
7:00pm		Welcome Reception at Main Pool & Rainforest Patio 6:45-8:45pm			
		Karaoke in Society Lounge 8:30PM - 12:30AM			

		Sunday, September 20			
		Registration Desk Open 7am-5pm			
		Coffee Break with Exhibitors			
9:00am		TR5: Radiation dosimetry for whole and partial body irradiation Speaker: Bret H. Heintz	TR6: HZE particles - effects on cardiac structure and function Speaker: David Goukassian	TR7: iPSC and stem cell therapy Speaker: Chuan-Yuan Li	TR8: Radiation metabolomics- How a small molecule perspective influenced Our view of radiation exposure Speaker: Andrew Patterson
10:00am		P2: Osborne Award Lecture: Marie-Catherine Vozenin Chair: Martin Hauer-Jensen Understand the cellular and molecular basis of normal tissues toxicity to define new therapeutic strategies and improve radiation therapy outcome			
		Coffee Break with Exhibitors			
11:00am		S11: Models and procedures for preclinical assessment of radiation modifiers: working toward acceptable endpoints by which to advance to clinical trials Chair: C. Norman Coleman	S12: Physics and biology of a Mars mission Chair: Tom Hei	S13: The History of Dose Fractionation Chairs: Carmel Mothersill, Howard Lieberman	S14: Behavioral consequences of radiation exposure Chair: Susanna Rosi
12:00pm		S15: Chemistry of DNA strand break termini Chair: Peter O'Neill, Amitava Adhikary			
1:00pm		Business Forum with Buffet Lunch Members only- RSVP required			
2:00pm		PS3: Experimental therapeutics/radiotherapy/translational research			
3:00pm		PS4: Radiation protection – biodosimetry/mitigators/treatment			
4:00pm		S16: New developments in radiation epidemiology and dosimetry Chair: Martha S. Linet	S17: Radiation-related cataracts Chairs: Ellie Blakely, Cynthia Flannery	S18: Novel approaches to enhance the efficacy of radiosurgery Chair: Samuel Ryu	S19: Base damage and breaks: What's new in repair? Chair: Howard Lieberman
5:00pm		S20: Stem cell models in radiation research Chairs: Amy Kronenberg, Manuela Buonanno			
		S21: NIAID/ BARDA radiation countermeasures development Chair: John Esker			
		Coffee Break with Exhibitors			
6:00pm		Michael Fry Research Award: Ester Hammond Hypoxia-induced p53 modulates both apoptosis and radiosensitivity via AKT			
		Marie Curie Award: Natsuko Miura Real-time Monitoring of Cancer Metabolism with Hyperpolarized Carbon13 NMR Spectroscopy			
7:00pm		Early Career Investigators (ECI) Meeting			
		Free Evening			

Monday, September 21

7:00am	Registration Desk Open 7AM-12PM			
8:00am	Coffee Break with Exhibitors			
9:00am	TR9 Role of the Incident and Emergency Centre of the International Atomic Energy Agency in Medical Radiation Emergencies Speaker: Eduardo Herrera-Reyes	TR10: Genetic and contextual synthetic lethality and the cancer clinical Speaker: Robert Bristow	TR11: Radiation and Anti-Tumor Immunity Speaker: Elizabeth Repasky	TR12: What-you-see-is-what-you-get (WYSIWYG) in Radiation Therapy Speaker: Harald Paganetti
10:00am	P3: Risk Communication Speaker: Randall Hyer Chair: C. Norman Coleman			
	Coffee Break with Exhibitors			
11:00am	Presidential Symposium: Relevance of Radiation at Low Doses? Speakers: Paul Doetsch, Olga Kovalchuk, William Morgan, Jerome Puskin Chair: Gayle Woloschak			
12:00pm				
1:00pm	2nd Council Meeting (Closed meeting)			
2:00pm				

Free Afternoon/Evening

3:00pm	
10:00pm	Karaoke in Society Lounge 10:00PM - 1:00AM
1:00am	

Tuesday, September 22

Registration Desk Open 7am-2pm				
Coffee Break with Exhibitors				
TR13: The C/EBP delta transcription factor as a mediator of hypoxia and inflammatory signaling: for better or worse Speaker: Esta Sterneck	TR14: Insights into the motion of DNA repair proteins as revealed by single-molecule techniques Speaker: Susan Wallace	TR15: Imaging radioresistance Speaker: Hugo Aerts	TR16: End to end space radiation risk assessment and mitigation for a human mission to Mars Speaker: Frank Cucinotta	
P4: Potential of radiation therapy to convert the tumor into an "in situ" vaccine Speaker: Silvia Formenti Chair: Paul Black				
Coffee Break with Exhibitors				
S22: Immunobiology in radiation responses: Implications in tumor control and normal tissue injury Chairs: Mansoor Ahmed, SIT co-chair Lisa Scandiuzzi (SIT)	S23: Radiation-induced cellular senescence Chair: Daohong Zhou	S24: From hypofractionation to SBRT - risks and benefits Chair: Mark Dewhirst	S25: Spatially Fractionated Radiotherapy: new technology driving new biological applications Chairs: Robert Griffin, Jose Penagaricano	S26: Radiation chemistry of DNA Chairs: David Close, Amanda Bryant-Friedrich
SIT Lunch 12:30pm-1:30pm (by invitation)				
PS5: Response of the central nervous system to radiation; Basic science in risk assessment on earth and in space				
PS6: Epigenetics, and emerging omics approaches; Stem cells; Normal Tissue Radiation Responses				
S27: Emergency response to major radiological and nuclear incidents Chairs: John Zimbrick, Armin Ansari	S28: Mitochondria and radiation response Chairs: Marjan Boerma, Daret St. Clair	S29: Molecular imaging and radiation research Chair: Stephen Brown	S30: Epigenetic modifiers of radiation response Chair: Brad Wouters	S31: Intake of radionuclides - consequences and dosimetry Chairs: Bert W. Maidment, Dunstana R. Melo
PS7 with reception: Mutagenesis/clastogenesis/carcinogenesis; Cell and tissue kinetics/signaling/microenvironment PS8: RRS Late Breaking				
Final Evening Event 7:00pm				