

	Registration Desk Open Continental Breakfast 7:30am - 8:30am	
8:30am		
8:40am	SIT WORKSHOP OPENS- Introductions by Workshop Chairs Pavel Bláha & Tien Tang Located in the Waldorf Ballroom	
9:20am	Statistical methods for quantifying radiation health effects- <i>Benjamin French</i>	
10:00am	The peculiarities of space radiation and its effect on central nervous system- <i>Marcelo Vazquez</i>	
10:15am	Coffee & Networking Break	
10:45am	How you will be evaluated: insights into the manuscript review process- <i>Marc Mendonca</i>	
11:25am	Radiation sensitivity of biologically relevant molecules- <i>Jay LaVerne</i>	
11:40am	Editor's Award Winner: Parthenolide selectively sensitizes prostate tumor tissue to radiotherapy while protecting healthy tissues <i>in vivo</i> - <i>Katherine Morel</i>	
12:40pm	Lunch (Included in Workshop)	
1:40pm	Panel Discussions- Careers in Industry, Academia, Government <i>Gayle Woloschak, Merriline Satyamitra, Andrew Lessey</i>	
2:20pm	DSB repair competition, novel anti-cancer therapeutics- <i>Ranjit Bindra</i>	
3:00pm	Elevator Pitches	
3:15pm	Formal Coffee & Networking Break	
	CAREER DEVELOPMENT WORKSHOP OPENS Located in the Astoria Ballroom	
4:15pm	<p>Part 1: One-On-One Networking Appointments Sign up for 10-minute meetings and visit your mentors in the following areas:</p> <ul style="list-style-type: none"> Meet the Councilors - members of the Governing Councilors on hand to address your questions and provide insight to the Society Meet the MD - our ECI members will have an opportunity to meet our MD/PhD leaders and help those of you seeking a home base to find resources within RRS community Meet the Scientist (by discipline) - leaders from Chemistry, Biology and Physics will provide insight into key sessions to attend at the annual meeting as well as discuss your career needs Meet the Funding Agencies - we have up to five agencies that will each be represented and available to address your individual questions Meet the Employers - corporate sponsors and university representatives offer advice and opportunity Women in Science - at long last, this amazing group of leaders will offer women insight and advice of how to succeed in the field 	<p>Part 2: The Successful Grant Tips, tricks and tools on how grants are evaluated and scored will be presented during this one-hour mock study session. Join our leaders as they share lessons learned from their failures and successes into the "science" of acquiring funds. Instructors will accept up to 6 one-page grant submissions and will review them with attendees. Take advantage of this unique chance to improve your grant-writing abilities!</p>
5:15pm		
5:30pm	New Member Orientation (by invite) - PDR 4 5:30pm - 6:30pm	
6:30pm		
7:30pm		
9:30pm	SIT Social (RSVP required) - 720 Restaurant- Lobby Bar 7:30pm - 9:30pm	ECI Reception (by invite) - PDR 4 7:30pm - 9:30pm

7am	Registration Desk Open 7:30am - 5:00pm				
8am	Coffee Break with Exhibitors 1				
8:30am	Welcome and Opening Remarks 2				
9am	Plenary 1: Modeling cancer in the mouse: Tyler Jacks 2				
10am	Coffee Break with Exhibitors 1				
10:15am	S1 Radiation-induced GI Syndrome <i>Chairs: Juliann Kiang, Christine Beamish</i> 3	S2 Radiation dosimetry: in patients and phantoms <i>Chairs: John Wong, Anna Subiel</i> 4	S3 Mechanisms of cell death after radiation <i>Chairs: Kathryn Held, Stephanie Markovina</i> 5	S4 Hypo-fractionation: from pre-clinical models to clinical trials <i>Chairs: Martin Brown, G-One Ahn</i> 6	S5 Genomics of normal tissue toxicity and tumor response to radiation <i>Chairs: Rob Bristow, Felix Feng</i> 7
12:15pm	SIT Mentor Lunch (SITs only, RSVP Required)				
1:45pm	PS1: Epidemiology, epigenetics, omics and mouse models 8				
2:30pm	PS2: DNA- oxidative damage responses & physico-chemistry 8				
3:15pm	S6 Hypoxia and ER Stress <i>Chairs: Amato Giaccia, Scott Welford</i> 3	S7 Imaging and circulating biomarkers of radiation response <i>Chairs: Zachary Reitman, Jay Dorsey</i> 4	S8 Radio-nuclides for imaging, therapy, and dosimetry <i>Chairs: Roger Howell, Brian Canter</i> 5	S9 Chromatin biology and radiation response <i>Chairs: Simon Powell, Fen Xia</i> 6	S10 Joint Session with CRH: Space radiation and cancer risk <i>Chairs: Ianik Plante, Janice Huff</i> 7
5:15pm	Coffee Break with Exhibitors 1				
5:30pm	Failla Lecture- Adaciu Adaciu si fa Gran Viaggiu: With a heavy ion accelerator you can travel to Mars: <i>Francis A. Cucinotta</i> 2				
6:30pm	Welcome Reception (RSVP Required) 6:30 - 8:45pm Normandie Lounge				
8:30pm	Karaoke 8:30 - 11:30pm Waldorf Room				
11:30pm					

7am	Registration Desk Open 7:00am - 5:00pm				
7:30am	Coffee Break with Exhibitors 1				
8am	TR1 Radiation-induced carcinogenesis through alterations in adaptive landscapes <i>James DeGregori</i> 3	TR2 Exploring radiation chemistry in DNA damage using various model systems <i>Amitava Adhikary</i> 4	TR3 Information-driven radiotherapy: integrating a data-driven approach with radiobiological principles to understand outcomes <i>Joseph Deasy</i> 5	TR4 Recent clinical and experimental insight into radiation-induced heart disease <i>Marjan Boerma</i> 6	TR5 Chromatin dynamics: the landscape for response to DNA damage <i>Scott Floyd</i> 7
9am	Plenary 2: Cancer etiology and mutational signatures: Cristian Tomasetti 2				
10am	Coffee Break with Exhibitors 1				
10:15am	S11 Pre-clinical mechanisms of radiation and immunotherapy <i>Chairs: Chandan Guha, Carl DeSelm</i> 3	S12 Dose rate and radiation toxicity <i>Chairs: Charles Limoli, Nicole Simone</i> 4	S13 A tribute and celebration: the contributions and impact of Michael Fry to radiation research <i>Chairs: Howard Lieberman, Amy Kronenberg</i> 5	S14 Reactive oxygen species, redox and metabolism <i>Chairs: Daniel Cooper, Bryan Allen</i> 6	S15 Track structure and Monte Carlo modeling of biological effects <i>Chairs: Fada Guan, Xun Jia</i> 7
12:15pm	Business Forum (Members Only, RSVP Required) 2				
1:45pm	PS3: Basic science - space/physics/biology 8				
2:30pm	PS4: (Stem) cell and tissue- kinetics, signaling, microenvironment, mutations 8				
3:15pm	Presidential Symposium 1: Future radiobiology for advanced radiotherapies <i>Michael Baumann Dorthe Schaeue Marco Durante Soren Bentzen</i> 2				
5:15pm	Marie Curie Award- EZH2 mediates cisplatin resistance in small cell lung cancer through nucleotide excision repair: <i>Allyson Koyen</i> 2				
5:45pm	Coffee Break with Exhibitors				
6pm	Michael Fry Award: Modeling effects of radiation using multi-scale Monte Carlo simulations: <i>Jan Schuemann</i> 1				
6:30pm					

CME	Non-CME	Networking	Featured
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1	2	3	4	5	6	7	8
Exhibitor Hall	Grand Ballroom	Waldorf Room	Astoria Room	Marquette Room	Joliet Room	Boulevard C	Williford Room

7am	Registration Desk Open 7:00am - 12:00pm				
7:30am	Coffee Break with Exhibitors 1				
8am	TR6 Computational biophysics: new tool for radiation research? <i>Gianluca Lattanzi</i> 3	TR7 Hibernation: impact on radio-protection <i>Walter Tinganelli</i> 4	TR8 What we know (and what we don't know) about radiation risks associated with contemporary medical imaging <i>David Brenner</i> 5	TR9 Biology didactics for radiation oncology residents: the past, present <i>Elaine Zeman</i> 6	TR10 Nanoparticles: applications for imaging and therapy <i>Gayle Woloschak</i> 7
9am	Plenary 3: A new role for radiation therapy in the era of cancer immunotherapy: <i>Sandra Demaria</i> 2				
10am	Coffee Break with Exhibitors 1				
10:15am	S16 Radiation biology of model organisms: flies, worms and fish <i>Chairs: William Dynan, Gary Kao</i> 3	S17 DNA damage response and DNA repair <i>Chairs: Henning Willers, Benjamin Chen</i> 4	S18 (Co-Sponsored by ASTRO) Clinical trials of radiation therapy and immunotherapy <i>Chairs: Amit Maity, Brad Perez</i> 5	S19 Radiomics, radiogenomics and artificial intelligence <i>Chairs: Eric Chuang, Michael Story</i> 6	S20 Medical counter-measures of radiation (mitigators) <i>Chairs: Phuong Doan, Lanyn Taliaferro</i> 7
12:15pm	Afternoon On Own Visit the concierge desk to book activities!				
	Pre-Party at Kitty O'Sheas 9:30pm - 12:30am				

7am	Registration Desk Open 7:00am - 2:00pm				
7:30am	Coffee Break with Exhibitors 1				
8am	TR11 DNA damage signaling to immune checkpoints <i>Christopher Bakkenist</i> 3	TR12 The rationale, physics and radiobiology of carbon ion radiation therapy <i>Piero Fossati</i> 4	TR13 Transitioning to scientific independence <i>Claudia Wiese, David Yu</i> 5	TR14 Non-carcinogenic effects of space radiation <i>Polly Chang</i> 6	TR15 Radiation injuries to the immune system <i>James Lederer</i> 7
9am	Plenary 4: Biologically motivated treatment planning in proton therapy: <i>Harald Paganetti</i> 2				
10am	Coffee Break with Exhibitors 1				
10:15am	S21 Stem cells and radiation toxicity <i>Chairs: Catherine Booth, Frederico Kiffer</i> 3	S22 Radiation chemistry <i>Chairs: Amitava Adhikary, Elledonna Cacao</i> 4	S23 Radiation modifiers (protectors & sensitizers) <i>Chairs: Gabriel Sawakuchi, Michael Goldstein</i> 5	S24 Proton and carbon ion radiotherapy <i>Chairs: Kyle Cuneo</i> 6	S25 Small animal irradiation <i>Chairs: Manuela Buonanno, Charles Maitz</i> 7
12:15pm	Painter Debate: This house believes that the biological mechanisms that underlie cancer development are sufficient to dismiss linear-no-threshold (LNT) modeling of cancer risk (Box Lunch Provided, RSVP Required) For: <i>Mary Helen Barcellos-Hoff</i> Against: <i>Francis Cucinotta</i> 2				
1pm	Osborne Award: Metabolomics as a pre-emptive tool for discerning radiation induced antecedent normal tissue injury: <i>Amrita Cheema</i> 2				
1:45pm	PS5: Radiation protection - biodosimetry/mitigators/treatment 8				
2:30pm	PS6: Experimental therapeutics/radiotherapy/translational research 8				
3:15pm	Presidential Symposium 2: p53 in radiation response and tumor suppression <i>Michael Kastan Laura Attardi Andrei Gudkov Allan Balmain</i> 2				
5:15pm	PS7 & PS8: Poster Reception (RSVP Required) PS7: CNS and normal tissue response PS8: Late-breaking 8				
6:30pm	Final Night Event (RSVP Required) 6:30 - 11:00pm Aboard the Odyssey Meet in main lobby for shuttle				
11:00pm					

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