

7am	Registration Desk Open 7:30am - 5:00pm				
8am	Coffee Break with Exhibitors 1				
8:30am	Welcome and Opening Remarks 2				
9am	Plenary 1: Variations in cancer risk: Cristian Tomasetti 2				
10am	Coffee Break with Exhibitors 1				
10:15am	S1 Radiation-induced GI Syndrome 3	S2 Radiation dosimetry: in patients and phantoms 4	S3 Mechanisms of cell death after radiation 5	S4 Hypo-fractionation: from pre-clinical models to clinical trials 6	S5 Genomics of normal tissue toxicity and tumor response to radiation 7
12:15pm	SIT Mentor Lunch (SITs only, RSVP Required)				
1:45pm	PS1 8				
2:30pm	PS2 8				
3:15pm	S6 Hypoxia and ER Stress 3	S7 Imaging and circulating biomarkers of radiation response 4	S8 Radio-nuclides for imaging, therapy, and dosimetry 5	S9 Chromatin biology and radiation response 6	S10 Joint Session with CRH: Space radiation and cancer risk 7
5:15pm	Coffee Break with Exhibitors 1				
5:30pm	Failla Lecture: 2				
6:30pm	Welcome Reception 6:30 - 8:45pm (RSVP Required)				
8:30pm	Karaoke 8:30 - 11:30pm				
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 The evolving landscape of immunotherapy biomarkers <i>Timothy Chan</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: Modeling cancer in the mouse: Tyler Jacks 2				
10am	Coffee Break with Exhibitors 1				
10:15am	S11 Pre-clinical mechanisms of radiation and immunotherapy 3	S12 Dose rate and radiation toxicity 4	S13 A tribute and celebration: the contributions and impact of Michael Fry to radiation research 5	S14 Reactive oxygen species, redox and metabolism 6	S15 Track structure and Monte Carlo modeling of biological effects 7
12:15pm	Business Forum (Members Only, RSVP Required)				
1:45pm	PS3 8				
2:30pm	PS4 8				
3:15pm	Marie Curie Award 2				
3:45pm	Presidential Symposium 1: Future radiobiology for advanced radiotherapies <i>Michael Baumann Marco Durante Dorthe Schae Soren Bentzen</i> 2				
5:45pm	Coffee Break with Exhibitors				
6pm	Michael Fry Award 1				
6:30pm	ECI Reception (By Invitation Only) 1				
7:30pm					

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	Willford Room

7am	Registration Desk Open 7:00am - 12:00pm				
7:30am	Coffee Break with Exhibitors 1				
8am	TR6 Computational biophysics: tools and challenges in radiation biophysics <i>Gianluca Lattanzi</i> 3	TR7 Effects of hibernation on radiation <i>Walter Tinganelli</i> 4	TR8 Cancer risk among survivors of the atomic bomb and exposure for medical imaging and radiotherapy 5	TR9 Biology didactics for radiation oncology residents: the past, present <i>Elaine Zeman</i> 6	TR10 Nanoparticles: applications for imaging and radiotherapy <i>Gayle Woloschak</i> 7
9am	Plenary 3: Radiation and immunotherapy: Sandra Demaria 2				
10am	Coffee Break with Exhibitors 1				
10:15am	S16 Radiation biology of model organisms: flies, worms and fish 3	S17 DNA damage response and DNA repair 4	S18 (Co-Sponsored by ASTRO) Clinical trials of radiation therapy and immunotherapy 5	S19 Radiomics, radio-genomics and artificial intelligence 6	S20 Medical counter-measures of radiation (mitigators) 7
12:15pm	Afternoon On Own Take advantage of the exclusive activities offered to RRS Annual Meeting attendees!				

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 radiatino 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: Harald Paganetti 2				
10am	Coffee Break with Exhibitors 1				
10:15am	S21 Stem cells and radiation toxicity 3	S22 Microbiome and radiation response: pre-clinical studies to clinical trials 4	S23 Radiation modifiers (protectors & sensitizers) 5	S24 Proton and carbon ion radiotherapy 6	S25 Small animal irradiation 7
12:15pm	Painter Debate: Tumor initiating cell, not the microenvironment, regulates radiation (Box Lunch Provided, RSVP Required) For: Francis Cucinotta Against: Mary Helen Barcellos-Hoff 2				
1pm	Osborne Award: 2				
1:45pm	PS5 8				
2:30pm	PS6 8				
3:15pm	Presidential Symposium 2: p53 in radiation response and tumor suppression <i>Michael Kastan Allan Balmain Laura Attardi Andrei Gudkov</i> 2				
5:15pm	PS7 & PS8: Poster Reception (RSVP Required)				
6:30pm	PS7: PS8: 8				
11:00pm	Final Night Event (RSVP Required) 7:00 - 11:00pm				

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