

Sunday, September 21

7:00am	Registration Desk Open 7am-5pm				
8:00am	Coffee Break with Exhibitors				
9:00am	TR1: Internal Dosimetry Speaker: Ray Guilmette RRA	TR2: Microbeams and RT Speaker: Yueh Lee RRB	TR3: Radiobiology of Proton and Heavy Ion Therapy Speaker: Eleanor Blakely RRC	TR4: Biodosimetry: Why do we need it and why do we need it fast? Speaker: David Brenner RRF	
10:00am	P1: One-Electron & Two-Electron Signaling in the Redox Biology of Cancer: Application to Pharmacological Ascorbate in the Clinic Speaker: Garry Buettner CHB				
11:00am	Coffee Break with Exhibitors				
12:00pm	S1: Normal Tissue Toxicity: Recent Findings and Directions Chair: Jacqueline Williams, Christina Haston RRA	S2: New Findings in DNA Repair Chair: Lynn Harrison RRB	S3: Genome Surveillance Chairs: Amy Kronenberg, Edouard Azzam RRC	S4: Epigenetic Reprogramming in the Radiation Response Chairs: Janet Baulch, Igor Koturba RRF	S5: Solid cancer incidence among atomic bomb survivors, updated analyses through 2009 Chair: Harry M. Cullings VerDe
1:00pm	Debate Session with boxed lunch (RSVP required for meal) Is the Abscopal (out-of-field) effect important to curing cancer with radiation therapy? Chair: Kathy Held Silvia Formenti vs. Simon Powell Are there viable mitigators of radiation effects? Chair: William F. Morgan William McBride vs. Mark Dewhirst CHB				
2:00pm	PS1: DNA Damage, DNA Repair, Cell Signaling RRD-G				
3:00pm	PS2: OMICS, Epidemiology, Mutagenesis, Mitigators, Epigenetics, Mouse Models RRD-G				
4:00pm	S6: Clinical radiation research using patient specific mathematical models Chair: Kristen Swanson RRA	S7: Proton and Heavy Ion Beam Therapy Chair: Eleanor A. Blakely RRB	S8: Tumor Oxygenation: Impact on Cancer Therapy Chair: Dietmar W. Siemann, Michael Horsman RRC	S9: There is life in the old dog yet: Radiobiological Archives 2014 Chair: Soile Tapio RRF	S10: Development of Radiation Biodosimeters Chair: Lynne Wathen VerDe
5:00pm	Coffee Break with Exhibitors				
6:00pm	Failla Lecture: DNA damage/repair—like love, depends on the right chemistry Speaker: Peter O'Neill CHB				
7:00pm	Failla Welcoming Reception				
8:00pm	Cherry				

CRH ESRI Workshop
Organizers: Lydia Zablotksa, Alice Sigurdson

Monday, September 22

Registration Desk Open 7am-5pm					
Coffee Break with Exhibitors					
TR5: Sirtuins, Aging and the Radiation Response Speaker: David Gius RRA	TR6: Radiobiology of SBRT Speaker: Chang Song RRB	TR7: Mechanisms of radiation damage to DNA: From ionization to radical intermediates to products Speaker: Michael Sevilla RRC	TR8: A novel metabolic mechanism of the radio-adaptive response Speaker: Zhi-Min Yuan RRF		
P2: Microvesicles, Intercellular Signaling and the Radioresponse Speaker: Nicholas Dainiak CHB				Session C: Late Effects of radiotherapy: new dosimetric approaches in epidemiologic studies Chairs: Jacob Adams, Ruth Kleinerman	
Coffee Break with Exhibitors					
S11: Novel Therapeutics in Radiation Oncology Chair: Sunil Krishnan RRA	S12: Radiation response of Normal Tissue Stem Cells Chair: Phuoc T. Tran RRB	S13: Radiological Countermeasures: Translational Efforts Using Leukocyte Stem Cell Factors Chair: William Blakely RRC	S14: Modulating Immune Responses with Radiation Chair: Edith Lord RRF		S15: Origin and Mechanism of Radiation Carcinogenesis Chairs: Tom K. Hei, Mariateresa Mancuso VerDe
Business Forum with Buffet Lunch Members only- RSVP required CHB					
PS3: Space Radiation, Radiotherapy, Post Radiation Response RRD-G					
PS4: Cell and Tissue, Stem Cells, Radiation Microenvironment, Experimental Therapeutics, Radiation Response CNS, Translational Research RRD-G					
S16: The Physics & Biology of Very High Energy Electron Beams produced with Laser Plasma Accelerators and their Potential in Radiotherapy Chair: Marc Mendonca RRA	S17: Special Joint RRS-HPS Symposium: "Radiation Health effects in Children: Issues and Challenges from Radiation Protection to Pediatric Radiation Oncology" Chairs: John Zimbrick, Wesley Bolch RRB-C	S18: OMICS Chair: Albert Fornace, Jr RRC	S19: Particle Radiation Effects on CNS Chair: Polly Chang RRF	S20: Adaptive Responses: An Academic Curiosity or a Clinical Issue Chair: David J. Grdina VerDe	
Coffee Break with Exhibitors					
Michael Fry Research Award Functions of SIRT2 in the Replication Stress Response Speaker: David S. Yu CHB					
Marie Curie Award The type of radiation regimen modulates the ability of radiotherapy to generate an in situ tumor vaccine Speaker: Claire I. Vanpouille-Box, Ph.D. CHB					
Free Evening					
6:30 pm - 9:00 pm Session D: CT Scans and cancer risks: new results & methodological issues Chairs: Sarah Darby, Amy Berrington de Gonzalez					

7:00am	Registration Desk Open 7am-12pm			
8:00am	Coffee Break with Exhibitors			
9:00am	TR9: NFkB: Importance for Radiation Responses Speaker: Mohan Natarajan RRA	TR10: Advances in applications and biological understanding of ablative therapies alone and combined with conventional RT Speaker: Robert Griffin RRB	TR11: The Leptin modulation in response to irradiation: time to move from cell to tissues Interplay Speaker: Roberto Amendola RRC	TR12: Radiation-induced Secondary Cancers Speaker: Cecile M. Ronckers RRF

10:00am	P3: Lessons from Cancer Genome Sequencing Speaker: Ken Kinzler CHB			
11:00am	Coffee Break with Exhibitors			
12:00pm	Presidential Symposium: Speakers: Jeffrey R. Davis, MD, Mary Helen Barcellos-Hoff, Murat Alp, Ph.D. Gregory A. Nelson, Ph.D. Chair: Francis A. Cucinotta CHB			
1:00pm	2nd Council Meeting (Closed meeting) SIENA			

Free Afternoon/Evening

SCHEDULE ABBREVIATIONS

TR = Topical Review
P = Plenary Session
S = Symposia
PS = Poster Session
AL = Award Lecture
D = Debate
PRES = Presidential Symposia

COLOR KEY

RRS/CRH
Joint Sessions

CRH Sessions

BALLROOM KEY

RR A/B/C/D-G = Red Rock Ballrooms
CHB = Charleston Ballroom
PAV: Pavilion Ballroom
VER: Veranda Ballroom
VerDe = Veranda DE
Cherry = Cherry Night Club

CRH Session D: Genetic issues in radiation epidemiology
Chairs: Michael Weil, Daniel Stram

CRH Poster Presentation & CRH Banquet
Speaker: Flora van Leeuwen

Registration Desk Open 7am-2pm			
Coffee Break with Exhibitors			
TR13: Radiation Mitigators, Potential Pitfalls, and Hope for New Small Molecules Speaker: Colin Hill RRA	TR14: Tumor Oxygenation and the Radiation Response Speaker: Harold Swartz RRB	TR15: Chromatin structure and radiation sensitivity Speaker: Tej Pandita RRC	TR16: Exosomes and Radiation Responses Speaker: Munira Khadhim RRF

P4: Ion Therapy for Cancer Treatment Speaker: Marco Durante CHB				
Coffee Break with Exhibitors				
S21: Novel Approaches to Radiosensitization Chair: Dennis Hallahan RRA	S22: Historical Perspective: Non-targeted or Bystander Effects, You don't have to irradiate your target directly to get a response Chairs: Carmel Mothersill, Howard Lieberman RRB	S23: Integrating Basic Radiobiological Science and Epidemiological Studies (RRS/NCRP Symposium) Chairs: John D. Boice, William Morgan RRC	S24: Education and Training Needs in the Radiation sciences: Problems and Potential Solutions Chair: Joseph Dynlacht RRF	S25: Role of R-loop-related factors in DNA damage, genetic instability, and DNA repair Chair: David A. Boothman, Julio Morales VerDe

SIT Lunch 12:30pm-1:30pm (by invitation) CHB				
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PS5: Physico-Chemical, Track Structure and Modeling, Translational Research RRD-G				
Tech Lab				

S26: DNA Damage: From Chemistry to Therapy Chair: Peter O'Neill RRA	S27: Novel Approaches for Advanced Radiotherapy: Radiobiological Challenges Chair: Kevin Prise RRB-C	S28: Doing More with Less: Coping with Single-Digit Paylines Chair: Martin Hauer-Jensen RRC	S29: NF-kB Signaling Network in Radiation Response Chair: Jian Jian Li RRF	S30: Chornobyli/Fukushima Joint Session with CRH Chair: Harry Cullings VerDe
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Poster Session with Reception PS6: Biosimetry, Models of acute radiation injury PS7: RRS Late Breaking and Conference on Radiation Research PAV				
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GLAMOUR-ATION Final Evening Event 7:00pm (ticket required) Offsite				
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Session E: DoseMI/NCRP
Bridging Mechanisms of Radiation Action at Low Doses and Human Risk
Joint EU/DoseMI and US NCRP Session
Chairs: Sisko Salomaa, Sally Amundson