

SUNDAY 16th

RRS and CRH Combined Schedule at a Glance

MONDAY 17th

7AM	REGISTRATION DESK OPEN 7AM - 5PM				
8AM	COFFEE BREAK WITH EXHIBITORS				
9AM	"RERF" 8	TR1: Radiopharmaceutical therapy in an era of precision medicine: George Sgouros 1	TR2: Radiation-induced senescence: Daohong Zhou 2	TR3: Behavioral parallels between humans & rodents: Craig Stark 4	TR4: Overcoming radio-resistance: development of small molecule radio-sensitizers & hypoxic cell cytotoxins: Michael Hay 5
10AM	P1: Molecular basis of circadian clocks Joseph Takahashi, PhD 6				
11AM	COFFEE BREAK WITH EXHIBITORS				
12PM	S1: New insights from DNA damage and repair Chairs: George D. Jones, Michael Weinfeld 1	S2: Bill Morgan Memorial Symposium: Biology, epidemiology & radiation protection Chairs: Kathryn Held, Nobuyuki Hamada 2	S3: Enhancing the X-ray sensitivity of radio resistant tumors by altering Warburg metabolism Chairs: Marc Mendonca, Randall Kimple 4	S4: Cancer stem cells Chairs: Frank Pajonk, Erina Vlasi 5	S5: Academic industry partnership in radiation oncology: what can improve? Chairs: Pataje Prasanna, Bhadransan Vikram 3
1PM	RRS Painter Debates with boxed lunch: RSVP required This house believes that bystander effects are not relevant for radiation protection: Colin Seymour, PhD (for), Carmel Mothersill, PhD (against) This house believes that cancer is fundamentally a metabolic disease: Douglas Spitz, PhD (for), James Cleaver, PhD (against) 6				
2PM	Topical Review: Controversies associated thyroid cancer Screening 8	PS1: Experimental therapeutics 7			
3PM	PS2: Experimental therapeutics, Epidemiology of cancer and non-cancer diseases 7				
4PM	Disaster consequences and emergency preparedness 8	S6: Biology and clinical implications of non-targeted responses Chairs: Tom Hei, Nicholas Colangelo 1	S7: Targeted immunotherapy Chairs: Amit Maity, Silvia Formenti 5	S8: Circadian processes and radiation effects Chair: Ben Chen 4	S9: Combination therapy: opportunities in clinical translation of radiobiological research Chairs: Mansoor Ahmed, Aparna Kesarwala 3
5PM	S10: Head and neck cancers Chair: Quynh-Thu Le 2				
6PM	COFFEE BREAK WITH EXHIBITORS				
6PM	Failla Award Lecture: "The Radiation Stress Response: Of the People, By the People and For the People" C. Norman Coleman, MD 6				
After 7PM	RRS Welcome Reception at Lagoon Lanai 6:45PM-8:45PM				
	Karaoke in Water's Edge 8:30PM-11:30PM SPONSORED BY XSTRAHL				

KEY	
1	Queen's 4
2	Queen's 5
3	Queen's 6
4	Kona 4
5	Kona 5
6	Monarchy Ballroom
7	King's Ballroom
8	Kohala 1&2 Ballroom

7AM	REGISTRATION DESK OPEN 7AM - 5PM				
8AM	COFFEE BREAK WITH EXHIBITORS				
9AM	70 Years of Radiation Genetics Research 8	TR5: Morphometric analysis of neurons from mice expressing fluorescent proteins: Vipani Panihar 1	TR6: Radiation-induced hematopoietic syndrome: Artur Plett 2	TR7: Caspases, DNA repair and stem cell plasticity: Chuan-Yuan Li 4	TR8: Multidisciplinary European low dose initiative and update of MELODI program: Sisko Salomaa 5
10AM	P2: Osborne Award Lecture: Normal tissue effects of low-dose and high-dose ionizing radiation in the heart Marjan Boerma 6				
11AM	COFFEE BREAK WITH EXHIBITORS				
12PM	S11: Neuroscience meets Radiobiology Chairs: Ivan Sotesz, Susanna Rosi 2	S12: Big data & omics Chairs: Richard Britten, Adeola Makinde 1	S13: Pancreatic/brain cancer Chairs: Alec Kimmelman, Jeffrey Willey 4	S14: ATM- basic mechanisms and therapeutic applications Chairs: Kristoffer Valerie, Shubhankar Suman 5	S15: The linear no threshold model for radiation protection: a flawed concept or practical reality? Chair: David Brenner 3
1PM	RRS Business Forum with Buffet Lunch Members only: RSVP required 6				
2PM	Town Hall: Trends in Radiation Science- the next 5 years 8	PS3: Normal Tissue Radiation Responses 7			
3PM	PS4: DNA and oxidative damage responses Cell and Tissue kinetics/radiotherapy/translational research 7				
4PM	S16: R-loops, DNA repair & genetic instability Chairs: David Boothman, William Dynan 1	S17: Epigenetic regulation of the radiation response Chairs: Janet Baulch, Gavin Wang 2	S18: Joint CRH Symposium: Bill Morgan Memorial Symposium part 2: Low dose epidemiology Chairs: Sisko Salomaa, Ohtsura Niwa 4	S19: Advancements in imaging modalities Chairs: Mark Dewhirst, Theodore Lawrence 5	S20: Carbon & related ion therapies Chairs: Michael Story, Chiara La Tessa 3
5PM	COFFEE BREAK WITH EXHIBITORS				
6PM	Michael Fry Research Award Lecture: Supply, Demand & Survival- Three Keys to Unlocking Tumor Hypoxia Marianne Kortzinsky, MSc, PhD 6				
6PM	Marie Curie Award Lecture: Theranostic nanoparticles for magnetic resonance imaging-guided radiation therapy Alexandre Detappe, MSc 6				
After 7PM	CRH Final Night Banquet: 6:30PM-9:00PM 8				

TUESDAY 18th

WEDNESDAY 19th

7AM	REGISTRATION DESK OPEN 7AM - 12PM	
8AM	COFFEE BREAK WITH EXHIBITORS	
9AM	TR9: Low dose radiobiology and the nuclear power industry. <i>Douglas Boreham</i> 1	TR10: DNA damage assays - how to get the data you want. <i>George D. Jones</i> 2
9AM	TR11: Exploiting redox biology in the clinic. <i>Bryan G. Allen</i> 4	TR12: Challenge of nanotechnology in radiotherapy. <i>Sandrine Lacombe</i> 5
10AM	P3: Radiobiological foundations of carbon ion radiotherapy: current perspectives and future challenges <i>Jac Nickoloff, PhD</i> 6	
10AM	COFFEE BREAK WITH EXHIBITORS	
11AM	Presidential Symposium: In Memory of J.W. Osborne	
12PM	6	
1PM	2nd Council Meeting (Closed Meeting)	
2PM	<h2>COLOR KEY</h2> <ul style="list-style-type: none"> CME LECTURES CRH/RRS JOIN LECTURES CRH LECTURES FEATURED EVENTS NETWORKING BREAKS 	<p>FREE AFTERNOON & EVENING</p> <p>ENJOY HAWAII!</p>
3PM		
4PM		
5PM		
6PM		
After 7PM	Karaoke in Water's Edge 10:00PM—1:00AM SPONSORED BY PRECISION XRAY	

7AM	REGISTRATION DESK OPEN 7AM - 2PM			
8AM	TR13: Latest results from AMS-02/Radiation and humans: their journey from Earth to mars: <i>Veronica Bindl, Chiara La Tessa</i> 1	TR14: Animal models of radiogenic cancer: <i>Michael Weil, Elijah Edmondson</i> 2	TR15: Targeted animal irradiation: <i>Brian Marples</i> 4	TR16: Infection and radiation injury forwards a system approach to drug repurposing: <i>Rao Papineni</i> 5
9AM	P4: Reaching new frontiers in Space <i>Franklin R. Chang-Diaz, PhD</i> 6			
10AM	COFFEE BREAK WITH EXHIBITORS			
11AM	S21: DNA Repair "picking the best choice" Chairs: John Murnane, Karl Butterworth 4	S22: Pediatric cancers: Treatments, outcomes, models Chairs: Jacqueline Williams, Antino Allen 2	S23: RRS COSPAR Joint symposium: Space radiation sciences Chairs: David Chen, Gabriel Sawakuchi 3	S24: Normal tissue and stem cells Chair: Radia Tamarat 5
11AM	S25: RRS/NIAD Symposium: Late effects of radiation injury: the dominoes continue to fall Chairs: Carmen Rios, Laryn Taliaferro 1			
12PM	SIT Mentor Luncheon 12:30PM - 1:30PM (by invitation) 6			
1PM	PS5: Mutagenesis/clastogenesis/carcinogenesis Response of the central nervous system to radiation Epigenetics, and emerging omics approaches Stem cells Mouse models 7			
2PM	PS6: Basic science in risk assessment on Earth and in Space Track structure and modeling 7			
3PM	S26: How can radiation research enable a human mission to Mars with acceptable risk and uncertainties from cosmic ray exposures? Chair: Janipriya Saha 1	S27: Hypoxia and the UPR Chair: Amato Giaccia 2	S28: RRS History Symposium: DNA as the critical target for radiation damage Chairs: Howard Lieberman, Carmel Mothersill 3	S29: Lung cancer Chairs: Phuoc Tran, David Yu 5
3PM	S30: Interacting with your funding agencies: ECI career advancement Chairs: Charles Limoli, Martin Hauer-Jensen 4			
4PM	Poster Sessions with Reception PS7: Radiation protection – biodosimetry/mitigators/treatment Physico-chemical events 7			
5PM	PS8: Late Breaking 7			
6PM	Final Night Luau at Kona Pool 7:00PM-10:00PM (included in attendee registration; guests must be registered separately) SPONSORED BY PRECISION XRAY AND SNBL			
After 7PM				

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