

Plenary Session	Proton Beam and Heavy Ions Track	Spatial Fractionation (SFRT)
FLASH Modalities Track	FLASH Mechanisms Track	FLASH in Pre-Clinical and Clinical Settings Track
FLASH Teaching Lectures	Proton Beam and Heavy Ions & Spatial Fractionation (SFRT) Track	Industry Sponsored Session

Session including audience voting 

Conference Time Zone: Toronto, Ontario - Eastern Standard Time (EDT/GMT-4)

Tuesday, 5 December 2023			
Halls	Metropolitan Ballroom West	Queen Quai	Bay
09:00 - 09:50	Welcome Words & Plenary Opening Lecture: "What Is Expected in the Field by 2030?" Albert Koong (USA)		
09:50 - 10:00	Short Break		
10:00 - 10:30	FLASH Modalities: Protons Anthony Mascia (USA)		
10:30 - 10:50	Coffee Break & Networking Time		
10:50 - 11:20	FLASH Mechanisms An Alternative Role of Oxygen in the FLASH Effect Mirna El Khatib (USA)		
11:20 - 11:30	Short Break		
11:30 - 13:00	ORAL PRESENTATION SESSION 01: Facility Overviews & Radiation Protection (FLASH Modalities I)	ORAL PRESENTATION SESSION 02: In Vivo Pre-Clinical Studies (FLASH Mechanisms I)	ORAL PRESENTATION SESSION 03: Clinical Trials, TPS and Clinical Delivery (FLASH in Pre-Clinical and Clinical Settings I)
13:00 - 14:15	Lunch Break		
14:15 - 14:45	Proton Beams and Heavy Ions: Carbon Ions Walter Tinganelli (Germany)		
14:45 - 14:55	Short Break		
14:55 - 15:25	FLASH Modalities VHEE/Photon I Magdalena Bazalova-Carter (Canada)		
15:25 - 15:40	Coffee Break in the Exhibition		
15:40 - 16:40	E-Poster Discussion #1-3 Exhibition Area		
	E-Poster Station 01: FLASH Modalities I		
	E-Poster Station 02: FLASH Mechanisms I E-Poster Station 03: FLASH in Pre-Clinical and Clinical Settings		
15:40 - 16:45		ORAL PRESENTATION SESSION 04: Proton Beam and Heavy Ions & Spatial Fractionation (SFRT)	
16:40-17:10	Networking Time, E-Poster Viewing in the Exhibition Area		
17:10 - 17:40	FLASH Mechanisms Ionizing Radiation-Induced Acoustics in FLASH and CONV Radiotherapy? Julie Lascaud (Germany)		
17:40 - 17:50	Short Break		
17:50 - 18:20	FLASH in Pre-Clinical and Clinical Settings Proton FLASH in Vivo – What Matters Brita Singers Sorensen (Denmark)		
18:20 - 18:30	Short Break		
18:30 - 20:00	ORAL PRESENTATION SESSION 05: Highest Scored Abstracts (FLASH Modalities II)	ORAL PRESENTATION SESSION 06: Highest Scored Abstracts (FLASH Mechanisms II)	ORAL PRESENTATION SESSION 07: QA and Dosimetry for the Clinic (FLASH in Pre-Clinical and Clinical Settings II)
20:00	Jingle Bells Welcome Reception Exhibition Area Open to all conference participants		

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Wednesday, 6 December 2023

Halls	Metropolitan Ballroom West	Queen Quai	Bay
07:00 - 08:00	FRPT FLASH Yoga Class		
08:30 - 09:00	Spatial Fractionation (SFRT): Proton Minibeam Radiobiology and Immune Response Lorea Iturri (France)		
09:00 - 09:10	Short Break		
09:10 - 09:40	FLASH in Pre-Clinical and Clinical Settings Clinical Perspectives Alexander Lin (USA)		
09:40 - 10:00	Coffee Break & Networking Time		
10:00 - 10:30	FLASH Mechanisms Model - Oxygen Role Jennifer Zou (USA)		
10:30 - 10:40	Short Break		
10:40 - 12:10	ORAL PRESENTATION SESSION 08: Quality Assurance and Real Time Dosimetry (FLASH Modalities III)	ORAL PRESENTATION SESSION 09: In Vivo & In Vitro Studies (FLASH Mechanisms III)	ORAL PRESENTATION SESSION 10: Mathematical Modelling & Physico-Chemistry (FLASH Mechanisms IV)
12:10 - 13:25	Lunch Break	12:20- 12:50 Industry Sponsored Session	Lunch Break
13:25 - 14:05	Proton Beams and Heavy Ions: Toward Clinical Trial. From Preclinical Studies to Domestic Animals Trials and Human Patients Serena Psoroulas (Switzerland)		
14:05 - 14:15	Short Break		
14:15 - 14:45	FLASH Teaching Lecture Hypoxia and Radiation Response Marianne Koritzinsky (Canada)		
14:45 - 15:00	Coffee Break in the Exhibition		
15:00 - 16:00	E-Poster Discussion #4-6 Exhibition Area		
	E-Poster Station 01: FLASH Modalities II		
	E-Poster Station 02: FLASH Mechanisms II		
E-Poster Station 03: New Technologies & Mechanism			
16:00-16:30	Networking Time, E-Poster Viewing in the Exhibition Area		
16:30 - 17:00	FLASH Modalities VHEE/Photon II Vincenzo Patera (Italy)		
17:00 - 17:10	Short Break		
17:10 - 17:55	Debate Session: Are Circulating Immune Cells the Critical Factors for the FLASH Effect? For Ricky Sharma (USA) Against Paula Ballesteros-Zebadúa (Mexico)		
17:55 - 18:05	Short Break		
18:05 - 18:35	Spatial Fractionation (SFRT): Cracking the Code: Microbeam RT at Ultra-High Dose Rates; the Ultimate Radiobiological Puzzle Cristian Fernandez-Palomo (Switzerland)		
19:30 - 23:00	FLASH Networking Event Tickets may be purchased		

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Thursday, 7 December 2023			
Halls	Metropolitan Ballroom West	Queen Quai	Bay
08:30 - 09:00	FLASH Mechanisms Multiscale Modeling of Ultrahigh Dose Rate Response Emanuelle Scifoni (Italy)		
09:00 - 09:10	Short Break		
09:10 - 09:40	Proton Beams and Heavy Ions: Protons Michele Kim (USA)		
09:40 - 10:00	Coffee Break & Networking Time, E-Poster Viewing in the Exhibition		
10:00 - 10:30	Spatial Fractionation (SFRT): Spatial Fractionation of The Dose: Getting New Insights with Vibrational Microspectroscopy Imma Martinez-Rovira (Spain)		
10:30 - 10:40	Short Break		
10:40 - 12:10	ORAL PRESENTATION SESSION 11: Quality Assurance and Real Time Dosimetry & New Horizons in FLASH (FLASH Modalities IV)	ORAL PRESENTATION SESSION 12: Late-Breaking Abstracts I	ORAL PRESENTATION SESSION 13: Late-Breaking Abstracts II
12:10 - 12:20	Short Break		
12:20 - 12:50	FLASH Teaching Lecture The AI Era in Radiobiology David Jaffray (Canada)		
12:50 - 14:05	Lunch Break		
14:05 - 14:35	FLASH Modalities Exploring FLASH and Spatially Fractionated Radiation Therapy (SFRT) with a X-Ray Scanning System John Wong (USA)		
14:35 - 14:45	Short Break		
14:45 - 15:15	FLASH in Pre-Clinical and Clinical Settings Preclinical in Vivo- Tg Mouse David Kirsch (Canada)		
15:20 - 16:20	E-Poster Discussion #7 Exhibition Area E-Poster Station 01: Late Breaking		
16:20-16:35	Coffee Break in the Exhibition		
16:35-17:05	FLASH in Pre-Clinical and Clinical Settings Preclinical Studies to Inform the Design of Early Phase Clinical Trials of UHDR in Patients Lesley Jarvis (USA)		
17:05-17:15	Short Break		
17:15-18:15	Balloon Debate: The Biggest Advance in Radiotherapy in the Next 10 Years Will Come From..? FLASH Constantinos Koumenis (USA) Spatially Fractionated RT Christian Fernandez (Switzerland) Combination Treatments Andrew McPartlin (Canada) Artificial Intelligence (AI) David Jaffray (USA)		
18:15-18:30	Short Break		
18:30 - 19:00	Closing Ceremony Announcing the Best Oral Awards & Best E-Poster Awards		