

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: <u>The Biggest Advance in Radiotherapy in the Next 10 Years Will Come From...?</u> FLASH Constantinos Koumenis (USA) Spatially Fractionated RT Christian Fernandez (Switzerland) Combination Treatments TBA 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		