


PROGRAMME AT A GLANCE

Plenary Session	FLASH Teaching Lectures	 Voting	Official Conference Time Zone: Central European Time (CET)
FLASH Modalities Track	FLASH Mechanisms Track		FLASH in the Clinic Track

Wednesday, 1 December 2021

Time (CET)	Hall C	Room 2.15	Room 2.31	E-Poster Discussions Sessions		
				Station 01	Station 02	Station 03
08:00 - 09:00	Welcome Words & Plenary Opening Lecture Election Beams, Stars of FLASH Radiotherapy Marie-Catherine Vozenin, Switzerland					
09:00 - 09:10	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
09:10 - 09:40	FLASH Mechanisms: Biology in Vivo Biology of FLASH-RT in Vivo Pierre Montay-Gruel, Belgium					
09:40 - 10:10	Flash in the Clinic: Treatment Planning (TPS) Treatment Planning Tony Lomax, Switzerland					
10:10 - 10:20	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
10:20 - 11:30	FLASH in the Clinic: Treatment Planning (TPS) - I (Oral presentations)	FLASH Mechanisms: Biology in Vivo I (Oral presentations)	FLASH Modalities: Electrons (Oral presentations)			
11:30 - 12:30				Live E-Poster Discussion Station 01: FLASH Modalities	Live E-Poster Discussion Station 02: FLASH Mechanisms	Live E-Poster Discussion Station 03: FLASH in the Clinic
12:30 - 13:30	Industry Sponsored Session (Not included in main event CME/CPD credit) Virtual Platform - Industry Sessions - Industry Symposia Hall	Lunch Break				
13:30 - 13:40	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
13:40 - 14:10	FLASH Modalities: Protons and Carbon Ions Protons and Carbon Ions Marco Durante, Germany					
14:10 - 14:40	FLASH in the Clinic: First Clinical Trial Translation of Proton FLASH to Clinical Trials: The FAST Roadmap Ricky Sharma, UK					
14:40 - 14:50	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
14:50 - 15:50	FLASH Modalities (INSPIRE): Protons & Ions I (Oral presentations)	FLASH Modalities: Dosimetry I (UHDpulse): (Oral presentations)	FLASH in the Clinic: Clinical Application and Limits (Oral presentations)			
15:50 - 16:20	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
16:20 - 16:50	FLASH Modalities: Photons Photons Sami Tantawi, USA					
16:50 - 17:20	FLASH Mechanisms: Chemistry Chemical Mechanism of FLASH-RT Douglas Spitz, USA					
17:20 - 17:50	Flash in the Clinic: QA & Dosimetry FLASH RT: Current Status of Dosimetry, QA, Challenges and the Need for Further Developments Anna Subiel, UK & Russell Thomas, UK					
17:50 - 18:00	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
18:00 - 19:00	FLASH in the Clinic: QA and Dosimetry I (Oral presentations)	FLASH Mechanisms: Chemistry (Oral presentations) (18:00 - 19:10)	FLASH Modalities: Photons (Oral presentations)			

Thursday, 2 December, 2021

Time (CET)	Hall C	Room 2.15	Room 2.31	E-Poster Discussions Sessions		
				Station 01	Station 02	Station 03
08:30 - 09:00	FLASH Teaching Lecture: Dosimetry at Ultra-High Dose Rate and the Clinical Translation of the Procedures Claude Ballat, Switzerland					
09:00 - 09:10	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
09:10 - 09:40	FLASH Modalities: New Horizons FLASH: Path to Clinical Translation? Billy Loo, USA					
09:40 - 10:10	FLASH Modalities: Laser Driven Beams Laser-Driven Ion Beams and Ultra-High Dose Rate Radiobiology Marco Borghesi, UK					
10:10 - 10:40	FLASH in the Clinic: Animal Patients FLASH Radiotherapy Treatment of Canine Patients Kristoffer Petersson, UK					
10:40 - 11:00	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
11:00 - 12:00	FLASH Modalities: New Horizons & VHEE (Oral presentations)	FLASH Mechanisms: Physics (Oral presentations)	FLASH in the Clinic: QA & Dosimetry II (Oral presentations)			
12:00 - 13:30	Industry Sponsored Session (12:10 - 13:10) (Not included in main event CME/CPD credit) Virtual Platform - Industry Sessions - Industry Symposia Hall	Product Theater (12:15-12:45) (Not included in main event CME/CPD credit) Virtual Platform - Industry Sessions - Product Theater Hall	Lunch Break			
13:30 - 14:00	FLASH Mechanisms: Physics Modelling the Mechanisms of the FLASH Effect Jan Schuemann, USA					
14:00 - 14:30	FLASH in the Clinic: Treatment Implementation and Conduct of the First In-Human Trial of FLASH Radiotherapy John Breneman, USA & Anthony Mascia, USA					
14:30 - 15:00	FLASH Mechanisms: New Horizons New Horizons Related to the Biology of FLASH-RT Charles Limoli, USA					
15:00 - 15:10	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
15:10 - 16:10	FLASH Modalities: Protons & Ions II (Oral presentations)	FLASH Mechanisms: New Horizons (Oral presentations)	FLASH Modalities: Laser Driven Beams (Oral presentations)			
16:10 - 16:40	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
16:40 - 17:10	MedAustro O&A Session* Claus Schmitzer, Austria Markus Stock, Austria Carola Lütgendorf-Caucig, Austria					
17:10 - 17:20	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge					
17:20 - 18:20				Live E-Poster Discussion Station 01: FLASH Modalities	Live E-Poster Discussion Station 02: FLASH Mechanisms	Live E-Poster Discussion Station 03: FLASH in the Clinic
18:20 - 19:20	Debate: How Translational is the FLASH Effect to the Clinic? Chair: Theresa Busch, USA FOR: Peter G. Maxim (USA) & Lei Dong (USA) AGAINST: Oliver Jäkel (Germany) Marc. S. Mendonca (USA)					

*To watch a virtual tour of the MedAustro Ion Therapy Center, please go to the FRPT virtual platform.

Friday, 3 December, 2021

Time (CET)	Hall C	Room 2.15	Room 2.31	E-Poster Discussions Sessions	
				Station 01	Station 02
08:30 - 09:00	FLASH Teaching Lecture: Clinical Application of FLASH-R Jean Bourhis, Switzerland				
09:00 - 09:30	FLASH Modalities: VHEE VHEE and FLASH Radiotherapy Plans and Future Prospects Roger Jones, UK				
09:30 - 10:00	FLASH Mechanisms: Investigation of the Mechanism Chair: Marie Dutreix, France What Can We Learn From In Vitro Models? Charles Fouillade, France				
10:00 - 10:30	Special Session: Spacial Fractionation Chair: Marie Dutreix, France Exploring Space and Time in Radiation Therapy: Spatially Fractionated Radiation Therapy As an Alternative to FLASH Yolanda Prezado, France				
10:30 - 10:50	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge				
10:50 - 11:50	FLASH in the Clinic: QA and Dosimetry III & Late-Breaking Abstracts (Oral presentations)	FLASH Mechanisms: Biology II (Oral presentations)	Spacial Fractionation (Oral presentations)		
11:50 - 12:00	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge				
12:00 - 12:30	FLASH in the Clinic: Mechanism & Spot Scanning Mechanism & Spot Scanning Michael Folkerts, USA Matthew Lowe, UK Bethany Rothwell, UK				
12:30 - 13:00	FLASH Mechanisms: Mechanisms of Flash Radiotherapy Sparing of Normal Tissue as Informed by RNA-SEQ Transcriptome Analyses Theresa Bursch, USA				
13:00 - 13:30	Lunch Break				
13:30 - 14:00		Industry Sponsored Session (Not included in main event CME/CPD credit) Virtual Platform - Industry Sessions - Workshop Hall			
14:30 - 15:30	FLASH Modalities: Protons (INSPIRE) (Oral presentations)		FLASH Modalities: Dosimetry II (UHDpulse) (Oral presentations)		
15:30 - 16:00	Networking time – Visit the Exhibition in the virtual platform or chat with colleagues in the Networking Lounge				
16:00 - 17:00				Live E-Poster Discussion Station 01: FLASH Modalities	Live E-Poster Discussion Station 02: FLASH Mechanisms
17:00 - 18:00	Balloon Debate: Physics vs Chemistry vs Biology vs Clinic Chair: Karen Kirkby, UK Physics - Tony Lomax, Switzerland Chemistry - Douglas Spitz, USA Biology - Charles Limoli, USA Clinic - "Of course we do it for the clinical applications!" Philip Portmans, Belgium				
18:00 - 18:30	Closing Ceremony Announcing the Best Oral Awards & Best Poster Awards				