



## FRPT (Flash Radiotherapy and Particle Therapy) Conference 2021

### Preliminary Programme at a Glance

All sessions are scheduled in Central European Time (CET)

#### Legend:

Plenary Session	Industry Sponsored Session	Social Events
FLASH Modalities Track	FLASH Mechanisms Track	FLASH in the Clinic Track
INSPIRE	FLASH Teaching Lectures	UHD Pulse

\*The programme remains subject to change.

\*\*Updated as of 2 August 2021.

	DAY 1 - 1 December, 2023		
Time (CET)	Hall A	Hall B	Hall C
08:00 - 09:00	<b>Welcome Words &amp; Plenary Opening Lecture</b> Speaker: Marie-Catherine Vozenin, Switzerland		
09:00 - 09:10	Short Break		
09:10 - 10:10	<b>FLASH Mechanisms: Biology In Vivo</b> (09:10 - 09:40) Biology of FLASH-RT in Vivo Speaker: Pierre Montay-Gruel, USA		
	<b>Flash in the Clinic: Treatment Planning</b> (09:40 - 10:10) Speaker: Tony Lomax, Switzerland		
10:10 - 10:30	Coffee Break		
10:30 - 11:30	<b>FLASH Modalities: Electrons</b> (Oral presentations)	<b>FLASH Mechanisms: Biology in Vivo I:</b> (Oral presentations)	<b>FLASH in the Clinic: Treatment Planning (TPS) - I</b> (Oral presentations)
11:30 - 12:30	<b>E-Poster Discussions</b> Exhibition Area		

<p><b>12:30 - 13:30</b></p>	<p align="center"><b>Lunch Break</b> Visit the Exhibition Area, E-Poster Viewing at the Exhibition</p>		
	<p align="center"><b>Industry Sponsored Session (12:30 – 13:30)</b> <small>(not included in main event CME/CPD credit)</small></p>		
<p><b>13:30 - 13:40</b></p>	<p align="center"><b>Short Break</b></p>		
<p><b>13:40 - 14:40</b></p>	<p align="center"><b>FLASH Modalities: Protons and Carbon Ions (13:40 - 14:10)</b> Speaker: <b>Marco Durante, Germany</b></p>		
	<p align="center"><b>FLASH in the Clinic: First Clinical Trial (14:10 - 14:40)</b> Translation of Proton FLASH to Clinical Trials: The FAST Roadmap Speaker: <b>Ricky Sharma, USA</b></p>		
<p><b>14:40 - 14:50</b></p>	<p align="center"><b>Hall Change Break</b></p>		
<p><b>14:50 - 15:50</b></p>	<p align="center"><b>FLASH Modalities (INSPIRE): Protons &amp; Ions I (Oral presentations)</b></p>	<p align="center"><b>FLASH Modalities Dosimetry I (UHD Pulse): (Oral presentations)</b></p>	<p align="center"><b>FLASH in the Clinic: Clinical Trials (Oral presentations)</b></p>
<p><b>15:50 - 16:20</b></p>	<p align="center"><b>Coffee Break</b></p>		

16:20 - 17:50	<b>FLASH Modalities: Photons (16:20 - 16:50)</b> Speaker: <b>Sami Tantawi, USA</b>		
	<b>FLASH Mechanisms: Chemistry (16:50 - 17:20)</b> Chemical Mechanism of FLASH-RT Speaker: <b>Douglas Spitz, USA</b>		
	<b>Flash in the Clinic: QA and Dosimetry (17:20 - 17:50)</b> FLASH RT: Current Status of Dosimetry, QA, Challenges and the Need for Further Developments Speaker: <b>Anna Subiel, UK</b>		
17:50 - 18:00	<b>Short Break</b>		
18:00 - 19:00	<b>FLASH Modalities: Photons (Oral presentations)</b>	<b>FLASH Mechanisms: Chemistry (Oral presentations)</b>	<b>FLASH in the Clinic: QA and Dosimetry I (Oral presentations)</b>
19:00 onwards	<b>Welcome Reception</b> Exhibition Area		

	DAY 2 - 2 December, 2023		
New Time (CET)	Hall A	Hall B	Hall C
08:30 - 09:00	<b>FLASH Teaching Lecture:</b> Dosimetry at Ultra-High Dose Rate and the Clinical Translation of the Procedures Speaker: <b>Claude Ballat, Switzerland</b>		
09:00 - 09:10	Short Break		
09:10 - 10:40	<b>FLASH Modalities:</b> <b>New Horizons</b> (09:10 - 09:40) Speaker: <b>Billy Loo, USA</b>		
	<b>FLASH Mechanisms:</b> <b>Physics</b> (09:40 - 10:10) Modelling the Mechanisms of the FLASH Effect Speaker: <b>Jan Schuemann, USA</b>		
	<b>FLASH in the Clinic:</b> <b>Animal Patients</b> (10:10 - 10:40) FLASH Radiotherapy Treatment of Canine Patients Speaker: <b>Kristoffer Petersson, UK</b>		
10:40 - 11:00	Coffee Break		
11:00 - 12:00	<b>FLASH Modalities:</b> <b>New Horizons &amp; VHEE</b> (Oral presentations)	<b>FLASH Mechanisms:</b> <b>Physics</b> (Oral presentations)	<b>FLASH in the Clinic:</b> <b>Treatment Planning (TPS) - II</b> (Oral presentations)

<p><b>12:00 - 13:30</b></p>	<p><b>Lunch Break</b> Visit the Exhibition Area, E-Poster Viewing at the Exhibition</p>		
<p><b>13:30 - 15:00</b></p>	<p><b>Industry Sponsored Session</b> (12:10 - 13:10) (not included in main event CME/CPD credit)</p>		<p><b>Industry Sponsored Session</b> (12:10 - 12:40) (not included in main event CME/CPD credit)</p>
	<p><b>FLASH Modalities: Laser Driven Beams</b> (13:30 - 14:00) Laser-Driven Ion Beams and Ultra-High Dose Rate Radiobiology Speaker: <b>Marco Borghesi, UK</b></p>		
	<p><b>FLASH Mechanisms: New Horizons</b> (14:00 - 14:30) New Horizons Related to the Biology of FLASH-RT Speaker: <b>Charlie Limoli, USA</b></p>		
	<p><b>FLASH in the Clinic: Treatment</b> (14:30 - 15:00) Speaker: <b>John Breneman, USA</b> Speaker: <b>Anthony Mascia, USA</b></p>		
<p><b>15:00 - 15:10</b></p>	<p><b>Hall Change Break</b></p>		
<p><b>15:10 - 16:10</b></p>	<p><b>FLASH Modalities: Laser Driven Beams</b> (Oral presentations)</p>	<p><b>FLASH Mechanisms: New Horizons</b> (Oral presentations)</p>	<p><b>FLASH Modalities: Protons &amp; Ions II</b> (Oral presentations)</p>
<p><b>16:10 - 16:40</b></p>	<p><b>Coffee Break</b></p>		

16:40 - 17:10	<b>MedAustron Q&amp;A Session</b>	
17:10 - 17:20	<b>Short Break</b>	
17:20 - 18:20	<b>E-Poster Discussions at the Exhibition Area</b>	
18:20 - 19:20	<b>Debate Invited Panel: How Translational is the FLASH Effect to the Clinic?</b>	
19:30 onwards	<b>Networking Dinner</b>	

	DAY 3 - 3 December, 2023		
Time (CET)	Hall A	Hall B	Hall C
08:30 - 09:00	<b>FLASH Teaching Lecture:</b> Clinical Application of FLASH-R Speaker: <b>Jean Bourhis, Switzerland</b>		
09:00 - 10:30	<b>FLASH Modalities:</b> <b>VHEE</b> (09:00 - 09:30) VHEE and FLASH Radiotherapy Plans and Future Prospects Speaker: <b>Roger Jones, USA</b>		
	<b>FLASH Mechanisms:</b> <b>Investigation of the Mechanism</b> (09:30 - 10:00) What Can We Learn From In Vitro Models? Speaker: <b>Charles Fouillade, USA</b>		
	<b>Special Session:</b> <b>Spacial Fractionation</b> (10:00 - 10:30) Exploring Space and Time in Radiation Therapy: Spatially Fractionated Radiation Therapy as an Alternative to FLASH Speaker: <b>Yolanda Prezado, France</b>		
10:30 - 10:50	<b>Coffee Break</b>		



10:50 - 11:50	<b>FLASH Modalities: Late-breaking abstracts (Oral presentations)</b>	<b>FLASH Mechanisms: Biology II (Oral presentations)</b>	<b>Spacial Fractionation (Oral presentations)</b>
11:50 - 12:00	<b>Short Break</b>		
12:00 - 13:00	<b>FLASH in the Clinic: Mechanism &amp; Spot Scanning (12:00-12:30)</b>  Speakers: <b>Eric Abel, USA Michael Folkerts, USA</b>  <b>Matthew Lowe, UK Beth Rothwell, UK</b>		
	<b>Invited Talk (12:30 - 13:00) details to follow</b>		
13:00 - 14:30	<b>Lunch Break</b> Visit the Exhibition Area, E-Poster Viewing in the Exhibition Hall		
	<b>Industry Sponsored Session</b> <small>(not included in main event CME/CPD credit)</small>	<b>Industry Sponsored Session</b> <small>(not included in main event CME/CPD credit)</small>	<b>Industry Sponsored Session</b> <small>(not included in main event CME/CPD credit)</small>

<p><b>14:30 - 15:30</b></p>	<p><b>FLASH Modalities: Protons (INSPIRE)</b> (Oral presentations)</p>	<p>Late-breaking abstracts (Oral presentations)</p>	<p><b>FLASH Modalities: Dosimetry II (UHD Pulse):</b> (Oral presentations)</p>
<p><b>15:30 - 16:00</b></p>	<p><b>Coffee Break</b></p>		
<p><b>16:00 - 17:00</b></p>	<p><b>E-Poster Discussions</b> at the Exhibition Area</p>		
<p><b>17:00 - 18:00</b></p>	<p><b>Balloon Debate: Physics vs Chemistry vs Biology vs Clinic</b></p>		
<p><b>18:00 - 18:30</b></p>	<p><b>Closing Ceremony</b> Best Oral Awards Best Poster Awards</p>		
<p><b>19:00 onwards</b></p>	<p><b>VENDOR EVENTS</b></p>		