

Pre-Conference Day – The Basics of FLASH and SFRT

The FRPT 2024 Pre-Conference Day is designed to kickstart your conference experience with insightful workshops, networking opportunities, and engaging activities. Whether you're a seasoned professional or a newcomer to the field, this day offers enriching opportunities tailored to meet the diverse needs of attendees.

- Date: Tuesday, 03 December 2024
- Time (CET): 13:00-17:15
- Location: Cardo Roma
- Pre-registration is required
- Fee: 65 EUR

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Preliminary Programme

**Please note that this is a preliminary programme and is subject to changes*

13:00 - 13:15

FRPT PRE-CONFERENCE INTRODUCTION

13:15-14:00

THE BASICS OF PHYSICS APPLIED TO FLASH AND SFRT

Speaker: Jan Schuemann (USA)

Learning objectives: What accelerators are available for FLASH and SFRT, what is needed for future clinical developments? What are the dosimetry procedures available? What are the

developments for TPS? Identify relevant research questions.

14:00-14:45

THE BASICS OF RADIATION CHEMISTRY APPLIED TO FLASH AND SFRT

Speaker: Emanuele Scifoni (Italy)

Learning objectives: Why Radiation Chemistry -experimental and theoretical - is useful to investigate FLASH and SFRT mechanisms, and what we learned so far. Which tools do we have at hand today (simulation codes, experimental systems). Which are the major challenges and open questions we cannot solve.

14:45-15:15

COFFEE BREAK & NETWORKING TIME

15:15-16:00

THE BASICS OF BIOLOGY APPLIED TO FLASH AND SFRT

Speaker: Marie-Catherine Vozenin (Switzerland)

Learning objectives: What do we know today on the impact of FLASH and SFRT on normal tissues and tumors. Identify/develop relevant models. Identify relevant research questions.

16:00-16:45

CONCLUSIONS & CLOSING REMARKS