



## PROGRAM

# CLINICAL TRANSLATION OF FLASH THERAPY

**Thursday,  
September 15,  
2022**

**Auditorium PATERNOT AGORA**

Rue du Bugnon 21, 1011 Lausanne, Switzerland



**Debates and Open Round table Discussions  
on clinical translation of FLASH Therapy**

### REGISTRATION

**Organisation:** meeting.com congress organisation  
[www.meeting-com.ch](http://www.meeting-com.ch) / Congrès & Evénements  
[nicole.giacomini@meeting-com.ch](mailto:nicole.giacomini@meeting-com.ch)

### Registration fees

Participant: CHF 40.00

SASRO Member: free of charge



## CLINICAL TRANSLATION OF FLASH THERAPY

**Thursday, September 15, 2022**

Auditorium PATERNOT AGORA  
Rue du Bugnon 21, 1011 Lausanne, Switzerland

Dear Colleagues, Dear friends,

Ultra-high dose rate irradiations remarkably spare normal healthy tissues, while retaining anti-tumor efficacy. This outstanding observation, referred as "FLASH effect", is opening new horizons in radiation oncology. However how to use FLASH clinically is not fully understood and a matter of debate.

To stimulate the clinical translation of FLASH Therapy, CHUV and ISREC foundation are organizing on the **15th of September 2022** a one Day Multidisciplinary Workshop gathering distinguished international experts for FLASH, and entitled:

### "...Debates on clinical translation of FLASH radiotherapy..."

The workshop will provide a unique stage for debates and open round table discussions on key aspects and controversies for the clinical transfer of FLASH therapy:

- ◆ How robust and clinically meaningful is FLASH?
- ◆ What is the best clinical modality for FLASH ... protons... electrons... other...?
- ◆ What are the critical FLASH parameters for clinical translation?
- ◆ What are the missing pre-clinical data for optimizing FLASH clinical use?
- ◆ Is the technology ready for beam diagnostics, dosimetry and TPS?
- ◆ How to combine FLASH with high precision delivery?

The key industrial partners for FLASH therapy are supporting the meeting, providing additional opportunities for fruitful interactions among participants.

We look forward to welcoming you at this exiting meeting in the nice city of Lausanne !

Prof. Jean BOURHIS, UNIL-CHUV, Lausanne

Prof. Marie Catherine VOZENIN, UNIL-CHUV Lausanne

Prof. Susan GASSER, ISREC Foundation, Lausanne

On behalf of the organizing committee

**Agora Cancer Research Center**

Rue du Bugnon 25A ◆ CH-1005 Lausanne ◆ [www.isrec.ch/en/agora/](http://www.isrec.ch/en/agora/)

## PROGRAM

### 09.00 Welcome & introduction

Jean Bourhis (CH); Marie Catherine Vozenin (CH);  
Bill Loo (USA)

### 09.15 Debate

**This house believes that the FLASH effect in pre-clinical models is robust and clinically meaningful**

Chair: Marie Catherine Vozenin (CH)  
For the motion: Pierre Montay-Gruel (BE)  
Against the motion: Gabriel Adrian (SE)

### 09.45 Keynote lecture

Chair: Brita Singers-Sorensen (DK)

**What are the optimal beam parameters for the FLASH effect?**  
Kristoffer Peterson (UK)

### 10.15 Discussion

### 10.30 Coffee break / interactions with exhibitors

### 11.00 Round table

**From bench to bed side:  
what are the missing pre-clinical information ?**

Chair and introduction: Till Boelhen (CH)  
Participants: tbc  
Co-Chair: Summary, priorities and conclusions: tbc

### 11.45 Keynote lectures

**Overview of the ongoing clinical trials**

Chair: Philip Poortmans (BE)  
Electrons: Jean Bourhis (CH)  
Protons: Ricky Sharma (University College London)

### 12.30 Lunch / interactions with exhibitors

### 13.30 Keynote lecture

Chair: Eric Deutsch (FR)

**Deep seated tumors:  
what are the pathways for conformal FLASH radiotherapy**  
Bill Loo (US)

### 14.00 Keynote lecture

Chair tbc

**UHDR beam diagnostics, dosimetry and TPS:  
is the technology ready for clinical translation?**  
Emil Schueler (US)

14.30 **Discussion**

14.45 **Coffee break / interactions with exhibitors**

15.15 **Keynote lectures**

Chair: Marco Durante (DE)

**FLASH technology for deep seated tumors:**

VHEE: Walter Wuensch (CERN)

Protons: Michele Kim (US)

Up-date on Carbon ions: Marco Durante (DE)

16.00 **Discussion**

16.15 **Round table**

**FLASH: what are the clinical opportunities and for which unmet clinical needs?**

Chair and introduction: Mahmut Ozsahin (CH)

Co-Chair summary & take home messages

17.00 **Closing remarks**

17.30 **Cocktail**

## Kind thanks to our partners and sponsors



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