



PROGRAM

CLINICAL TRANSLATION OF FLASH THERAPY

**Thursday,
September 15,
2022**

Auditorium PATERNOT AGORA

Rue du Bugnon 25A, 1005 Lausanne, Switzerland



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

REGISTRATION

Organisation: meeting.com congress organisation
www.meeting-com.ch / Congrès & Evénements
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Registration fees

Participant: CHF 40.00

SASRO Member: free of charge



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Rue du Bugnon 25A, 1005 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/

PROGRAM

08.30 Registration & welcome coffee

09.00 Welcome Word

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

09.05 Introduction

Jean Bourhis (CH)

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)

What is the consensus: Veljko Grilj (CH)

Discussion

10.00 Keynote lecture

Chair and introduction: Brita Singers-Sorensen (DK)

What are the optimal beam parameters for the FLASH effect?

Kristoffer Peterson (UK)

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: Alejandro Mazal (ES)

Co-Chair: Fernanda Herrera (CH)

Introduction: Till Boehlen (CH)

Participants: Brita Singers-Sorensen (DK); Charles Fouillade (FR); Pierre

Montay-Gruel (BE); Veljko Grilj (CH); Philip Poortmans (BE); Bill Loo (USA)

Summary, priorities and conclusions: Fernanda Herrera (CH)

12.00 Keynote lectures

Clinical trials: overview of ongoing initiatives and administrative hurdles

Chair: Philip Poortmans (BE)

Electrons: Jean Bourhis (CH)

Protons: Ricky Sharma (University College London)

Discussion

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)

Discussion

14.00 **Keynote lecture**
Chair and introduction : Claude Bailat (CH)
**UHDR beam diagnostics, dosimetry and TPS:
is the technology ready for clinical translation ?**
Emil Schueler (US)
Discussion

14.30 **Coffee break / interactions with exhibitors**

15.00 **Keynote lectures**
Chair : Raphaël Moeckli (CH)
FLASH technology for deep seated tumors :
VHEE : Walter Wuensch (CERN)
Protons : Michele Kim (US)
Up-date on Carbon ions : Ulrich Weber (DE)

16.00 **Round table**
**FLASH: what are the clinical opportunities and
for which unmet clinical needs ?**
Chair : Matthias Guckenberger (CH)
Introduction : Mahmut Ozsahin (CH)
Participants : Gabriel Adrian (SE) ; Bill Loo (USA) ; Emil Schueler (US) ;
Ricky Sharma (UK) ; Philip Poortmans (BE) ; Damien Weber (CH)
Co-Chair summary & take home messages : Bill Loo (USA)

17.00 **Closing remarks**

17.30 **Cocktail**
Optional : Visit of the FLASH (CHUV), pre-clinical and clinical prototypes

Kind thanks to our partners and sponsors



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