



## **ESMPE European School for Medical Physics Experts**

### **School on Advanced Radiotherapy Technology**

**21<sup>st</sup>-22<sup>nd</sup> May 2025, Trieste, Italy**

ESMPE in conjunction with the 12<sup>th</sup> Alpe Adria Medical Physics Meeting (AAPM), would like to invite you to the next ESMPE to be held from 22 to 24 May 2024 at the Abdus Salam International Centre for Theoretical Physics (ICTP) in Trieste, Italy.

The meeting is organized in cooperation with the Medical Physics Societies of Austria, Croatia, Italy, Hungary, North Macedonia, Serbia and Slovenia and hosted by the Italian Association of Medical Physicists (AIFM).

A pre-meeting EFOMP School on New Technologies in Radiotherapy will be held on 21-22 May, free of admission for participants of the Alpe Adria meeting.

This one day event will be accredited by EBAMP (European Board of Accreditation for Medical Physics) and is intended for practicing clinical Medical Physicists.

#### **Content**

New technologies in Medical Physics: FLASH, SFRT, Radionuclide Therapy and SBRT

#### **Organisers**

Joao Seco , Marco Esposito



## Faculty

Eeva Boman	Department of Oncology, Tampere University Hospital, Finland
Marco Esposito	ICTP, Abdus Salam International Centre for Theoretical Physics, Trieste, Italy
Francesco Romano	Istituto Nazionale di Fisica Nucleare (INFN), Catania, Italy
Joao Seco	DKFZ, Heidelberg Germany
Lidia Strigari	IRCCS Azienda Ospedaliero-Universitaria di Bologna (University Hospital of Bologna), Bologna, Italy



# ESMPE

## Wednesday 21<sup>st</sup> May 2025

	Session Title	Lecturer
Afternoon Session		
14:00-14:30	Registration / Introduction to the EFOMP school	Joao Seco
14:30-15:30	Introduction to new technologies in Medical Physics: FLASH, SFRT and molecular therapy	Joao Seco
15:30-16:30	Molecular therapy (alpha and beta radionuclide therapy)	Lidia Strigari
16:30-17:00	Coffee break	
17:00-18:00	Stereotactic Body Radiation Therapy (SBRT) for FLASH	Joao Seco

## Thursday 22<sup>nd</sup> May 2025

	Session Title	Lecturer
Morning Session		
9:00-10:00	SBRT techniques and applications to clinical cases	Eeva Boman
10:00-11:00	In vivo dosimetry for SBRT	Marco Esposito
11:00-11:30	Coffee break	
11:30-12:30	Technological challenges and novel dosimetry methods for FLASH Radiotherapy	Francesco Romano



# ESMPE

Course language	English
Level	Medical Physics / Medical Physics Expert
Registration fee	Free of admission for participants of the Alpe Adria meeting
Duration	21 <sup>st</sup> -22 <sup>nd</sup> May 2025
Study load	10 hours of lectures
Venue	Budinich Lecture Hall (LB) Strada Costiera, 11 I - 34151 Trieste (Italy)
Accommodation	Individual
Information, programme at:	<a href="http://www.efomp.org">www.efomp.org</a>
Registration	Electronic registration via <a href="https://indico.ictp.it/event/10836/overview">https://indico.ictp.it/event/10836/overview</a>

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