

Time2Adapt
Scientific Alliance for Adaptive Radiation Therapy (ART)



MATER OLBIA
HOSPITAL



MATER ART
Advanced Radiation Therapy

SAVE THE DATE

September 10 - 12, 2026
Mater Olbia Hospital
Olbia, Sardinia, Italy

Time to adapt Adaptive School for medical physicists

*Practical skills for implementing AI in offline and
online adaptive Radiotherapy*

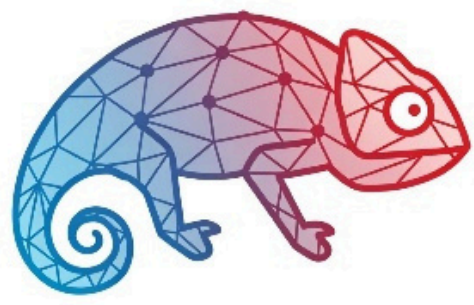


Endorsed by[†]
ESTRO



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PROGRAM

Time to adapt **Adaptive School** for medical physicists

Course Directors:

Davide Cusumano Marco Fusella Lorenzo Placidi

Local Committee:

Luca Vellini, Elisa Pilloni, Sebastiano Menna, Flavio Quaranta, Chiara Prinzi

Course Aim

This course, exclusively dedicated to medical physicists, aims to provide a comprehensive overview of Artificial Intelligence (AI) and Adaptive Radiotherapy (ART). Sessions will cover AI fundamentals, synthetic imaging, autosegmentation, autoplanning, and QA strategies, with practical insights into clinical implementation.

THURSDAY, SEPTEMBER 10 - INTRODUCTION

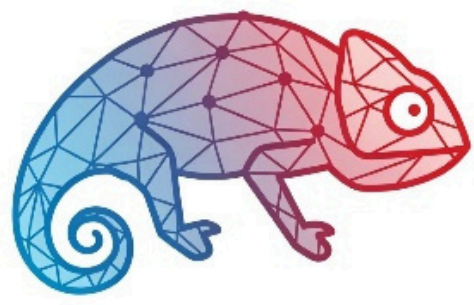
- 15:30 – 16:00 - Welcome & Opening Remarks
- 16:00 - 16:30 - Course Introduction (D.Cusumano, L.Placidi, M.Fusella)
- 16:30 - 17:00 – Teaching Lecture – Clinical needs and perspective for ART (L. Boldrini)
- 17:00 – 17:30 – Teaching Lecture - AI for Medical Physicists: Basic Principles (M.Maspero)
- 18:00 - Transfer to Olbia city center and welcome dinner

FRIDAY, SEPTEMBER 11 – LESSONS DAY

- 08:15 – 08:30 Overview of lessons day
- 08:30 – 09:15 Lecture 1 – Adaptive RT: clinical implementation & new frontiers (F. Villegas)
- 09:15 – 10:00 Lecture 2 – Synthetic image reconstruction (D. Cusumano)
- 10:00 – 10:45 Lecture 3 – Autosegmentation and Autoplanning (N. Tejedor)
- 10:45 – 11:05 Coffee Break
- 11:05 – 11:50 Lecture 4 – Real-time tracking and dose prediction (G. Landry)
- 11:50 – 12:35 Lecture 5 – QA strategies in ART (R. Dal Bello)
- 12:35 – 13:00 Discussion
- 13:00 – 14:00 Lunch
- 14:00 – 14:45 Lecture 6 – Dose accumulation & uncertainties (G.Loi)
- 14:45 – 15:30 Lecture 7 – Biologically-guided for ART (L. Placidi)
- 15:30 – 16:00 Coffee Break
- 16:00 – 16:45 Lecture 8 - New applications of ART: SFRT (G.Gungor)
- 16:45 – 17:30 Lecture 9 – New applications of ART: Direct to Unit (M.Fusella)

SATURDAY, SEPTEMBER 12 – HANDS-ON DAY

08:45 – 16:15 Participants will be divided into groups and subjected to hands-on sessions. Each group will rotate between the different rooms to run all the hands-on sessions.



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EVENT DETAILS

Time to adapt Adaptive School for medical physicists

FACULTY

L.BOLDRINI (ITALY)
M. MASPERO
(NETHERLANDS)
G. LANDRY (GERMANY)
F. VILLEGAS (SWEDEN)
G.GUNGOR (TURKEY)
G.LOI (ITALY)
N. TEJEDOR AGUILAR (SPAIN)
R. DAL BELLO
(SWITZERLAND)

Location

*Mater Olbia Hospital
SS125 Orientale Sarda
Olbia (Sassari), Italy*

REGISTRATION

REGISTRATION INCLUDES COFFEE BREAKS & LUNCH. WELCOME DINNER IS ALSO INCLUDED

Early registration (until 27 May 2026): €350

Late registration: €450

Reduced registration (AIFM Sardegna members): €300 (max 10 participants)

Reduced registration (Residents): €200 (max 10 participants)

Optional Package: €150 – accommodation for two nights at Mater Olbia Hospital (limited availability)

Registration link: <https://materolbia.com/news/congresso-fisica-medica/>

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