

14:00 → 15:45 FUTURE DIRECTIONS IN HADRONTHERAPY – TECHNOLOGY

(Moderator: Itana Bubanja)

- *Options and perspectives for future ion therapy accelerator designs* - Maurizio Vretenar (CERN)
- *Advancements in Superconducting Magnet Design for Carbon Ion Therapy* - Ernesto De Matteis (INFN)
- *Radiobiological Dosimetry and QA among the facilities* - Ulrike Schoetz (University of Marburg)
- *Creating a roadmap for the industrialization of the HITRIplus technologies* - Manuela Cirilli (CERN)
- *Education and Training of Heavy Ion Therapy Research* - Nicholas Sammut (University of Malta)
- *Communicating in Hadrontherapy* - Yiota Foka (GSI)
- *General Discussion*

15:45 - 16:00 **Coffee Break**

16:00 - 17:10 THE EUROPEAN LANDSCAPE (Moderator: Manjit Dosanjh)

- *European Registries for oncology* - Annalisa Trama (Istituto Nazionale dei Tumori)
- *Defining and meeting the challenges for delivering radiotherapy globally* - Manjit Dosanjh (University of Oxford)
- *EU Programme* - Anna Santoro (European Commission)
- *General Discussion*

17:10 - 18:30 ROUND TABLE: FOSTERING INDUSTRY COLLABORATION

Chair: Mark Plesko (COSYLAB)

Panelists: Virgile Letellier (Normandy Hadrontherapy, France), Aitor Echeandia (Elytt Energy, Spain), Elvis Janežič (Instrumentation Technologies, Slovenia), Marjan Drab (Vacutech, Slovenia).

18:30 - 18:40 CONCLUSION AND TAKE AWAYS



PROJECT MEETING AND HADRONTHERAPY WORKSHOP FROM INNOVATION TO IMPLEMENTATION

24-25 MARCH 2025

SCIENCE AND TECHNOLOGY PARK OF MONTENEGRO, PODGORICA
AND ONLINE



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Monday 24 March

13:00 - 14:00 **Participants' Registration**

14:00 - 14:30 **Welcoming remarks from the host and organizers**

Marko Vukašinić, *Director General, Ministry of Education, Science and Innovation*

Peter Gruebling, *CEO of SEEIIST*

Sandro Rossi, *HITRIplus Coordinator, CNAO Director General*

14:30 - 16:10 **HADRONTHERAPY OVERVIEW** (Moderator: Irena Aligrudić)

- *Historic and scientific evolution of Hadron Therapy* - Ugo Amaldi (Tera-Care)
- *Future Vision and Radiobiology* - Marco Durante (GSI)
- *The SEEIIST Project* - Peter Gruebling (SEEIIST)
- *HITRIplus Project Overview* - Sandro Rossi (CNAO)
- *The IAEA Program* - Sotirious Charisopoulos (IAEA)
- *The HITRIplus TNA Program* - Konrad Lehman (GSI)

16:10 - 16:30 **Coffee Break**

16:30 - 17:40 **MONTENEGRO R&D AND INNOVATION SESSION**

- *Opening Remarks* - Aleksandra Mugoša (Ministry of Education, Science and Innovation)
- *Montenegro's R&D and Innovation Potential* - Bojana Femić Radosavović (Director of the Innovation Fund of Montenegro)
- *Montenegro's R&D and Innovation Potential* - Valentina Radulović (Director of the Science and Technology Park Montenegro)

17:40 - 18:30 **CANCER TREATMENT - CURRENT SITUATION AND VISION** (Moderator: Yiota Foka)

- *Hadron Therapy – Impact on Beating Cancer and Shaping Science for the Future* - Irena Aligrudić (Institute for Oncology, Clinical Centre of Montenegro)
- *Activities of the science institutes from Europe-GSI activities in the field of cancer therapy-experience in hadron therapy* - Sanja Damjanovic (GSI)
- *Closing Remarks and Networking* - Organizers

18:30 - 18:45 **CONCLUDING REMARKS OF THE DAY**

20:00 - 22:30 **Social Dinner**

Tuesday 25 March

08:40 - 11:10 **CLINICAL EXPERIENCE SESSION** (Moderator: Angelica Facchetti)

- *Particle therapy clinical evidence* - Carola Lütgendorf-Caucig (MedAustron)
- *Particle therapy experience on Sarcoma and Chordoma* - Piero Fossati (MedAustron)
- *Particle therapy experience on Central Nervous System tumors* – Tanja Eichkorn (HIT)
- *Particle therapy experience on Pediatric patients* - Francesca Colombo (CNAO)
- *Particle therapy experience on Head and Neck Cancers* - Fabian Eberle (MIT)
- *Reirradiations with particle therapy* - Viviana Vitolo (CNAO)
- *Clinical Dosimetry and Quality assurance in hadron therapy* - Markus Stock (MedAustron)
- *Image guidance in Particle Therapy* - Guido Baroni (Politecnico di Milano)
- *The role of control system software in novel hadrontherapy workflows* - Mark Plesko (COSYLAB)
- *General Discussion*

11:10 - 11:30 **Coffee Break**

11:30 - 13:00 **FUTURE DIRECTIONS IN HADRONTHERAPY – CLINIC** (Moderator: Markus Stock)

- *Exploring the Role of Artificial Intelligence in Particle Therapy* - Lennart Volz (GSI)
- *New Ions: what is actually new?* - Andrea Mairani (HIT)
- *Upright patient positioning – renewed interest in a promising paradigm for particle therapy* - Lennart Volz (GSI)
- *Minibeams/partial irradiation* - Yolanda Prezado (University of Santiago de Compostela)
- *Is there a role for FLASH in particle radiotherapy?* - Walter Tinganelli (GSI)
- *General Discussion*

13:00 - 14:00 **Lunch Break**