

## Treatment Planning MasterClass

**Date:** 21<sup>st</sup> October 2024

**Venue:** [Aristotle University Research Dissemination Center \(KEDEA\)](#), Thessaloniki, Greece

**web page:** <https://indico.cern.ch/e/TreatmentPlanningMasterClass>

(Times indicated are EEST – Greek time +1 from CST)

**Scientific Assistants:** Elpida Theodoridou (Uni Malta/DKFZ) chair, Nermine Muradi (Uni Tetova) chair, Alexandros Puckett Anastasiou (Uni Patra), Athanasios Athanasiou (AUTH), Christina Litou (AUTH), Dafni Giannakeri (AUTH), Effrosyni Chatzivasiloglou (AUTH), George Ntinias (AUTH), Maria Eleni Bozika (AUTH), Maria Vagianni (AUTH), Emina Huko (UNSA), Feriha Babic (UNSA), Naida Ustavdic (UNSA), Medina Dugonjic (UNSA), Danis Bradaric (UNSA).

### Moderators: Elpida Theodoridou

<u>Time</u>	<u>Title</u>
09:00 – 09:30	TBA
09:30 – 10:00	<i>Physics and technology allied against cancer</i> <b>Capizzello Antonio</b> (AUTH / AHEPA) and <b>Eftychia Tataridou</b> (Anticancer Hospital Theageneio Thessaloniki)
10:00 – 10:30	<i>Treatment Planning in clinical environment</i> <b>George Giakoumetis</b> (AUTH / AHEPA)
10:30 – 11:00	<i>Treatment Planning matRad introduction</i> <b>Niklas Wahl</b> (DKFZ)
11:00 - 11:30	<i>Coffee Break</i>
11:30 – 13:00	<i>Treatment Planning matRad introduction</i> <b>Niklas Wahl</b> (DKFZ)
13:00 -14:15	<i>Lunch Break</i>
14:15 – 15:00	<i>FLASH Radiation Therapy: A Review on the Ultra-High Dose Rate Paradigm of Radiotherapy</i> <b>Athanasios Koutsostathis</b> (NTUA)
14:30 – 16:30	<i>Treatment Planning hands - on</i> <b>Niklas Wahl</b> (DKFZ)
16:30 – 17:00	<i>Coffee Break</i>
17:00 - 17:30	<i>Particle Therapy MasterClass</i> <b>Yiota Foka</b> (GSI)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101008548

- 17:30 – 17:15**     *Particle Therapy MasterClass: tangible impacts*  
**Nermine Muradi** (Uni Tetovo)
- 17:30 – 18:00**     *HITRIplus schools and its impacts*  
**Nicholas Sammut** (Uni Malta)

## FUNCTIONS AND AFFILIATIONS

### Capizzello Antonio

*Ass. Professor of Aristotle University of Thessaloniki, Radiotherapy oncology department, AHEPA University Hospital, Thessaloniki Greece*

### Giakoumetis George

*Medical Physics Department, AHEPA University Hospital, Thessaloniki Greece*

### Niklas Wahl

*Leader of the research group Radiotherapy Optimization, Department of Medical Physics in Radiation Oncology led by Prof. Jäkel, at the German Cancer Research Center – DKFZ*

### Yiota Foka

*Senior Researcher, Extreme Matter Institute, GSI, Germany*

### Nermine Muradi

*MSc of Physics at Uni Tetova, teaching assistant at Uni Tetova, North Macedonia*

### Nicholas Sammut

*Academic staff at Uni Malta and research affiliate at CERN*



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