

**Working on and with Models Predicting
Radiation Therapy Response towards
Individualized Adaptive Dose Prescription and Planning**

21 - 23 of November, 2016

Organisation: Prof. Dr. Dimos Baltas
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Monday 21. November

- Where:** Division of Medical Physics
- 10:00 – 12:30** BIOTOP/BIOSPOT: Current Status
Prof. Baltas, Prof. Mavroidis, Dr. Sachpazidis
- 12:30 – 13:30** **Lunch**
- 13:30 – 15:30** BIOTOP/BIOSPOT: Further Developments
Prof. Baltas, Prof. Mavroidis, Dr. Sachpazidis
- 15:30 – 16:00** **Coffee Break**
- 16:00 – 18:00** Focal Therapy Planning Studies for Prostate Cancer
Dr. Zamboglou, Prof. Mavroidis, Dr. Sachpazidis, Prof. Baltas
- 18:30** **Dinner**

Tuesday 22. November

- 10:00 – 12:00** Prof. Mavroidis, University of North Carolina
Tumor Control and Normal Tissue Complication
Probability models (TCP and NTCP) for treatment plan
evaluation and optimization.
*Lecture followed by extended discussions with the Research
Group*
Where: Conference Room
- 12:00 – 13:00** Prostate cancer tissue characterization using biological imaging
Guests and Prostate Group
- 13:00 – 14:00** **Lunch**
- 14:00 – 15:30** Prostate cancer tissue characterization using biological imaging
Guests and Prostate Group
- 15:30 – 16:00** **Coffee Break**
- 16:00 – 18:00** Prof. Iuliana Toma-Dasu
Treatment planning optimisation and evaluation based on PET
imaging – a practical approach
*Lecture followed by extended discussions with the Research
Group*
Where: Conference Room
- 18:30** **Dinner**

Wednesday 23. November

10:00 – 12:30 Head & Neck Data Analysis based on PET Imaging
Guests and Head & Neck Group

Where: Conference Room

12:30 – 13:30 *Lunch*

13:30 – 15:30 BIOTOP/BIOSPOT:
Implementation of Studies and Model-Benchmarking in
BIOTOP/BIOSPOT: The way to go and Cooperation
Perspectives/Further Steps
Guests, Dr. Sachpazidis, Prof. Baltas

15:00 – 15:30 *Coffee Break*

15:30 – 17:00 SIP versus Standard: Radiobiological Evaluation
Guests, Prof. Brunner, Dr. Gkika, Prof. Baltas

19:00 *Dinner*