Scientific Workshop on Adaptive Radiation Therapy

Dec. 14th - Dec. 15th 2023
Hybrid Mode
online access and on-site

Funded by:

DAAD
Deutscher Akademischer Austauschdienst
German Academic Exchange Service
Scientific Workshop on Adaptive Radiation Therapy

GOALS

- To introduce the latest trends in radiotherapy, imaging, and immunology.
- To share knowledge and therapeutic strategies.
- To strengthen the ties between the German Cancer Research Center (DKFZ) and Clínica Alemana de Santiago (CAS).

TARGET GROUP

Radiation Oncologists, Medical Physics Experts, MT-Rs (Germany), Medical Technologists/Tecnólogos Médicos (Chile) and students or young scientists.

ORGANIZED BY

Division of Medical Physics in Radiation Oncology
German Cancer Research Center (DKFZ)
Heidelberg University Hospital (UKHD)
Radiation Oncology Department
Department of Academic Development and Research
Clínica Alemana Santiago
Scientific Workshop on Adaptive Radiation Therapy

COURSE LEADERS

Dr. Andrés Córdova
Head of Division
Radiation Oncology Department
Clínica Alemana Santiago
Santiago, Chile

Prof. Oliver Jäkel, PhD
German Cancer Research Center
Division of Medical Physics in Radiation Oncology
Professor for Medical Physics at the Medical Faculty Heidelberg University
Heidelberg, Germany

INTERNATIONAL SPEAKERS

Vania Batista, PhD
Postdoctoral Researcher and Medical Physics Expert (MPE)
University Hospital Heidelberg
Department of Radiation Oncology
Heidelberg, Germany

Prof. Oliver Jäkel, PhD
German Cancer Research Center
Division of Medical Physics in Radiation Oncology
Professor for Medical Physics at the Medical Faculty Heidelberg University
Heidelberg, Germany

Sebastian Regnery, MD
Assistant Physician
University Hospital Heidelberg
Department of Radiation Oncology
Heidelberg, Germany

Niklas Wahl, PhD
Postdoctoral Researcher and Research Group Leader: Radiotherapy Optimization
German Cancer Research Center, Division of Medical Physics in Radiation Oncology
Heidelberg, Germany

Katharina Weusthof, MD
Assistant Physician
University Hospital Heidelberg
Department of Radiation Oncology
Heidelberg, Germany

Dr. Fabian Weykamp
Senior Physician
University Hospital Heidelberg
Department of Radiation Oncology
Heidelberg, Germany

Dr. Martin Niklas
Postdoctoral Research in the research group: Advanced Image-Guided RadioTherapy
German Cancer Research Center
Division of Medical Physics in Radiation Oncology
Heidelberg, Germany

Prof. Daniela Thorwarth, PhD
Head of Research Section
University Hospital Tübingen
Clinic for Radiooncology
Research Section: Biomedical Physics
Tübingen, Germany
Scientific Workshop on Adaptive Radiation Therapy

PROGRAM

Aula Magna | Av. Manquehue Norte 1410
Vitacura - Santiago

THURSDAY, DEC. 14TH 2023

Time in Chile - Time in CET

14:00 - 14:30 Registration on site at CAS
18:00 - 18:30

14:30 - 14:45 Welcome and Introduction of the Topics
18:30 - 18:45 Andrés Cordova

14:45 - 15:15 Conventional ART compared to MR guided ART
18:45 - 19:15 Oliver Jäkel

15:15 - 15:45 Surface Guided Radiotherapy as input to Adaptive Radiation Therapy
19:15 - 19:45 Vania Batista

15:45 - 16:00 Discussion
19:45 - 20:00 Andrés Cordova

16:00 - 16:30 Coffee Break
20:00 - 20:30

16:30 - 17:00 Clinical example of adaptive workflows from Brachytherapy to Particle Therapy
20:30 - 21:00 Vania Batista

17:00 - 17:30 Deep Inspiration Breath Hold (DIBH)/ Vision-RT
21:00 - 21:30 Katharina Weusthof

17:30 - 17:55 ART at Ethos (online via Zoom)
21:30 - 21:55 Fabian Weykamp

17:55 - 18:20 PUMA - a feasibility study for MRI guided radiotherapy of lung cancer
21:55 - 22:20 (online via Zoom)
Martin Niklas

18:20 - 18:30 Summarizing Discussion
22:20 - 22:30 Andrés Cordova
Response adaptive Radiotherapy based on PET imaging (online via Zoom)  Daniela Thorwarth
MR-Linac: Technology  Oliver Jäkel
Clinical Application of MR Linac  Sebastian Regnery
Discussion  Andrés Cordova
Coffee Break  
Status quo of ART in Particle Therapy  Oliver Jäkel
Robust Treatment Planning: Planning vs or with Adaptation  Niklas Wahl
Discussion Round: Challenges and Future Directions of ART All  On-site speakers
Scientific Workshop on Adaptive Radiation Therapy

DATE
Dec. 14th - Dec. 15th 2023
each day from 14.30 to 18.30 (Chile)
18.30 - 22.30 (CET / Germany)

COORDINATOR
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HYBRID MODE ONLINE ACCES AND ON - SITE
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Vitacura - Santiago

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CAS-UDD-HPH
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Corporations
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