

Scientific Workshop on Adaptive Radiation Therapy

Funded by:

 **DAAD**

Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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



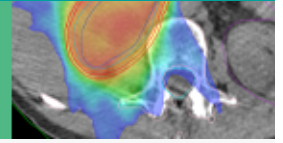
Hybrid Mode
online access
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Aula Magna
Av. Manquehue Norte 1410
Vitacura - Santiago



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Clínica Alemana

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



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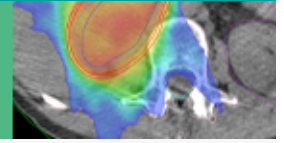
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COURSE LEADERS

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



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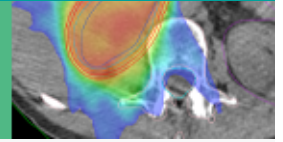
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PROGRAM

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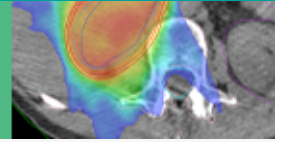
THURSDAY, DEC. 14TH 2023

 Time in Chile - Time in CET


- | | |
|--------------------------------|--|
| 14:00 - 14:30
18:00 - 18:30 | Registration on site at CAS |
| 14:30 - 14:45
18:30 - 18:45 | Welcome and Introduction of the Topics
Andrés Cordova |
| 14:45 - 15:15
18:45 - 19:15 | Conventional ART compared to MR guided ART
Oliver Jäkel |
| 15:15 - 15:45
19:15 - 19:45 | Surface Guided Radiotherapy as input to Adaptive Radiation Therapy
Vania Batista |
| 15:45 - 16:00
19:45 - 20:00 | Discussion
Andrés Cordova |
| 16:00 - 16:30
20:00 - 20:30 | Coffee Break |
| 16:30 - 17:00
20:30 - 21:00 | Clinical example of adaptive workflows from Brachytherapy to Particle Therapy
Vania Batista |
| 17:00 - 17:30
21:00 - 21:30 | Deep Inspiration Breath Hold (DIBH)/ Vision-RT
Katharina Weusthof |
| 17:30 - 17:55
21:30 - 21:55 | ART at Ethos (online via Zoom)
Fabian Weykamp |
| 17:55 - 18:20
21:55 - 22:20 | PUMA - a feasibility study for MRI guided radiotherapy of lung cancer
(online via Zoom)
Martin Niklas |
| 18:20 - 18:30
22:20 - 22:30 | Summarizing Discussion
Andrés Cordova |



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FRIDAY, DEC. 15TH 2023

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- | | |
|--------------------------------|--|
| 14:30 - 15:00
18:30 - 19:00 | Response adaptive Radiotherapy based on PET imaging (online via Zoom)
Daniela Thorwarth |
| 15:00 - 15:30
19:00 - 19:30 | MR-Linac: Technology
Oliver Jäkel |
| 15:30 - 16:00
19:30 - 20:00 | Clinical Application of MR Linac
Sebastian Regnery |
| 16:00 - 16:15
20:00 - 20:15 | Discussion
Andrés Cordova |
| 16:15 - 16:45
20:15 - 20:45 | Coffee Break |
| 16:45 - 17:15
20:45 - 21:15 | Status quo of ART in Particle Therapy
Oliver Jäkel |
| 17:15 - 17:45
21:15 - 21:45 | Robust Treatment Planning: Planning vs or with Adaptation
Niklas Wahl |
| 17:45 - 18:30
21:45 - 22:30 | Discussion Round: Challenges and Future Directions of ART All
On-site speakers |

*EL PROGRAMA PUEDE ESTAR SUJETO A MODIFICACIÓN



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COORDINATOR



Claudia Sanhueza Inzunza
csanhuezai@alemana.cl

FEES

General Fee
CAS-UDD-HPH
Residents
Corporations

\$60.000 CLP
\$40.000 CLP
\$40.000 CLP
\$40.000 CLP

**SIGN UP
HERE** 

