

# 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)



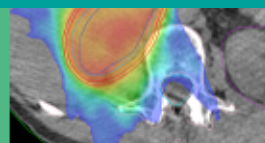
**Hybrid Mode**  
online access  
and on-site

Aula Magna  
Av. Manquehue Norte 1410  
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## 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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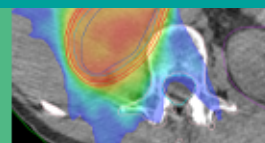
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## Scientific Workshop on Adaptive Radiation Therapy



### 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



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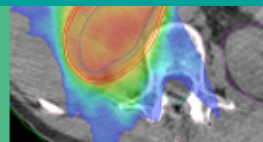
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## Scientific Workshop on Adaptive Radiation Therapy



### 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 <b>Andrés Cordova</b>
14:45 - 15:15 18:45 - 19:15	Conventional ART compared to MR guided ART <b>Oliver Jäkel</b>
15:15 - 15:45 19:15 - 19:45	Surface Guided Radiotherapy as input to Adaptive Radiation Therapy <b>Vania Batista</b>
15:45 - 16:00 19:45 - 20:00	Discussion <b>Andrés Cordova</b>
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 <b>Vania Batista</b>
17:00 - 17:30 21:00 - 21:30	Deep Inspiration Breath Hold (DIBH)/ Vision-RT <b>Katharina Weusthof</b>
17:30 - 17:55 21:30 - 21:55	ART at Ethos (online via Zoom) <b>Fabian Weykamp</b>
17:55 - 18:20 21:55 - 22:20	PUMA - a feasibility study for MRI guided radiotherapy of lung cancer (online via Zoom) <b>Martin Niklas</b>
18:20 - 18:30 22:20 - 22:30	Summarizing Discussion <b>Andrés Cordova</b>

\*EL PROGRAMA PUEDE ESTAR SUJETO A MODIFICACIÓN



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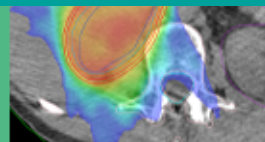
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**FRIDAY, DEC. 15TH 2023**

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

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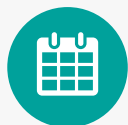


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## COORDINATOR



Claudia Sanhueza Inzunza  
[csanhuezai@alemana.cl](mailto:csanhuezai@alemana.cl)

## FEES

General Fee	<b>\$60.000 CLP</b>
CAS-UDD-HPH	<b>\$40.000 CLP</b>
Residents	<b>\$40.000 CLP</b>
Corporations	<b>\$40.000 CLP</b>
Online región and Foreigners	<b>\$30.000 CLP</b>
Online CAT - CAV	<b>\$20.000 CLP</b>

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