

Scientific Workshops on different topics

Hosts: Clínica Alemana (CAS), Santiago de Chile & German Cancer Research Center (DKFZ), Heidelberg, Germany

Partner: Heidelberg University Hospital (UKHD), Heidelberg

Please note: all talks are given in English with translation into Spanish.

Venue: the whole day (Dec. 01st 2022) is hosted fully online via Zoom. No on-site attendance possible.

Day 1: Thu. Dez 1 st 2022			
Radiotherapy: Status Quo, Perspectives & Open Questions			
Time in Chile		Topic	Speaker
13:30	13:40	Welcome words and introduction (<i>online</i>)	Andrés Cordova (CAS)
13:40	14:00	Overview IGRT technologies and devices based on X-Rays (<i>online</i>)	Oliver Jäkel (DKFZ)
14:00	14:20	Image registration & segmentation for adaptive RT... (<i>online</i>)	Kristina Giske (DKFZ)
14:20	14:40	Overview IGRT technologies and devices without X-Rays (<i>online</i>)	Oliver Jäkel (DKFZ)
14:45	15:15	Pro & Contra of IGRT ... What's the patients benefit from IGRT & adaptive concepts? (<i>recording, online</i>)	Eva Meixner (UKHD)
15:15	15:30	Discussion (<i>online</i>)	Moderation: Andrés Cordova (CAS)
15:30	15:50	Break	
15:50	16:10	Scientific and clinical advantages of online adaptive RT using MRI Linacs (<i>online</i>)	Oliver Jäkel (DKFZ)
16:10	16:30	Improving treatment approaches in rectal cancer – total neoadjuvant therapy versus standard treatment in RO (<i>online</i>)	Kristin Lang (UKHD)
16:30	16:50	Modern management of esophageal cancer: radio-oncology options in neoadjuvany, adjuvancy and palliation (<i>online</i>)	Kristin Lang (UKHD)
16:50	17:10	Adaptive RT ...Status Quo (<i>online</i>)	Sebastian Regnery (UKHD)
17:10	17:30	Open Questions for IGRT & Adaptive RT (<i>online</i>)	Sebastian Regnery (UKHD)
17:30	17:45	Q&A	Moderation: Oliver Jäkel (DKFZ)

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Day 2: Fri. Dez 2 nd 2022		
Imaging for RT – Status Quo, Perspectives & Open Questions		
Time in Chile	Topic	Speaker
8:30	9:00	Welcome Coffee
9:00	9:10	Welcome words and introduction Guillermo Chong (CAS)
9:10	9:30	Functional MR Imaging for RT (<i>online</i>) Heinz Schlemmer (DKFZ)
9:30	9:50	MR Imaging in adaptive Radiotherapy - Challenges Stefan Dorsch (DKFZ)
9:50	10:10	Imaging for IGRT & Adaptive RT -What do we really need? Oliver Jäkel (DKFZ)
10:10	10:30	Future directions: Developments on AI applications for Imaging in RT (<i>online</i>) Heinz Schlemmer (DKFZ)
10:30	10:40	Q&A
10:40	11:00	Coffee break
11:00	11:20	PET/CT and PET/MRI for radiotherapy treatment planning (<i>online</i>) Daniela Thorwarth (Tübingen University)
11:20	11:40	Radionuclides for diagnostic and therapy Martin Kreller (HZ Dresden Rossendorf)
11:40	12:00	Dose painting (<i>online</i>) Daniela Thorwarth (Tübingen University)
12:00	12.20	PET for RT - Clinical experience from Heidelberg Semi Ben Harrabi (UKHD)
12:20	12:50	Discussion: Where will the IGRT & ART go...? Moderation Guillermo Chong (CAS)
12:50	13:40	Lunch Break

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Day 2: Fri. Dez 2 nd 2022			
Proton Therapy – Is there a need for Latin America?			
Time in Chile		Topic	Speaker
13:40	13:50	Welcome words and introduction	Andrés Cordova (CAS)
13:50	14:20	Overview on Proton Therapy –Physics & technological aspects	Oliver Jäkel (DKFZ)
14:20	14:50	Radiobiology for Proton Therapy (<i>online</i>)	Christian Karger (DKFZ)
14:50	15:20	Status on Proton Therapy	Semi Ben Harrabi (UKHD)
15:20	15:40	Coffee break	
15:40	16:10	Case presentations Proton Therapy Pediatric tumors, ...	Semi Ben Harrabi (UKHD)
16:10	16:30	What patients in LA could benefit from Proton Therapy?	Semi Ben Harrabi & Andrés Cordova
16:30	17:00	Discussion: Is there a need for LA ... (cost effectiveness versus benefit)?	Moderation from Chile (tbd.)
		Closing & Fare Well	

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Day 3: Mon. Dez 5 th 2022			
Radiobiology – Scientific Workshop			
Time in Chile		Topic	Speaker
8:15	8:35	Welcome Coffee	
8:35	8:45	Welcome words and introduction	Mirenxu Iruretagoyena (CAS)
8:45	9:15	Radiobiological models in radiotherapy (<i>online</i>)	Christian Karger (DKFZ)
9:15	9:45	Radiobiological models in proton therapy (<i>online</i>)	Christian Karger (DKFZ)
9:45	10:15	New biological concepts for radiobiology	Ina Kurth (DKFZ)
10:15	10:45	Coffee break	
10:45	11:15	Normal tissue reactions – prediction and mechanisms (<i>online</i>)	Carsten Herskind (Mannheim University Hospital)
11:15	11:45	Effect on low dose irradiation	Erik Deutsch (Institute Gustave Roussy Paris)
11.45	12:15	Inverse treatment planning with radiobiological models	Niklas Wahl (DKFZ)
12:15	12:45	Biology driven studies (<i>online</i>)	Annett Linge (OncoRay Dresden)
12.45	13:15	Ongoing Research & Outlook	Erik Deutsch (Institute Gustave Roussy Paris)
13:15	13:25	Discussion	
13:25	14:10	Lunch Break	

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Day 3: Mon. Dez 5 th 2022		
CAR T Cells – Scientific Overview		
Time in Chile	Topic	Speaker
13:25	14:10	Lunch Break
14:10	14:20	Welcome words and introduction Daniel Ernst (CAS)
14:20	15:05	CAR T cells: State of the art and challenges Stefan Eichmüller (DKFZ)
15:05	15:10	Q&A
15:10	15:30	Coffee break
15:30	16:00	Clinical implementation of CAR T cell therapy (<i>online</i>) Luisa Schubert (UKHD)
16:00	16:30	Manufacturing GMP compatible CAR-T Cells Stefan Eichmüller (DKFZ)
16:30	17:00	Cellular therapies targeting brain tumors (<i>online</i>) Lukas Bunse (DKFZ)
17:00	17:10	Q&A, Discussion Moderation: Daniel Ernst (CAS)
		Get together

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Day 4: Tue. Dez 6 th 2022		
FLASH & Micro beams: Overview		
Time in Chile	Topic	Speaker
8:30	9:00	Welcome Coffee
9:00	9:10	Welcome words and introduction
9:10	9:40	Introduction to Flash (<i>online</i>)
9:40	10:10	Flash models and recent developments
10:10	10:30	Coffee break
10:30	10:50	Evidence on Flash radiotherapy and potential for clinical application (<i>online</i>)
10:50	11:05	Treatment planning for Flash
11:05	11:20	Flash: Pre-Clinical studies (<i>online</i>)
11:20	11:35	Flash: Clinical studies (<i>online</i>)
11:35	11:50	Is FLASH ready for clinical application?
11:50	12:20	Flash Pro & Contra: Joao Seco (<i>online</i>) vs. Oliver Jäkel
12:20	12:30	Discussion & Closing
		Fare well Lunch

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