

Radioresistance from an experimental/preclinical point of view
Program (Version as of Apr. 15th 2024)
Tuesday, April 23rd 2024

Time in Chile	Time in CEST	Title	Speaker	Chair
13.00 – 13.30		Registration on site at HCLA		-
13.30 – 13.45	19.30 – 19.45	Welcome and Introduction of the Topics	Hosts & Course Leaders	
13.45 – 14.15	19.45 – 20.15	Understanding biological mechanisms behind radioresistance in a breast cancer model (25+5)	Lorena Lobos-González	Beatriz Sanchez Nieto
14.15 – 14.45	20.15 – 20.45	Preclinical radiobiology to aid in the translation of personalized medicine (25+5)	Ina Kurth	
14.45 – 15.15	20.45 – 21.15	Overcoming radiation resistance of hypoxic tumors with FLASH (25+5)	Joao Seco <i>Online via Zoom</i>	
15.15 – 15.45		Coffee Break 1		
15.45 – 16.15	21.45 – 22.15	Transcriptomic and epigenetic landscape of Nimorazole-modified radiochemotherapy in head and neck cancer (25+5)	María José Besso	Ignacio Espinoza
16.15 – 16.45	22.15 – 22.45	Photosynthetic microalgae as a radiosensitizer for hypoxic tumors: in vitro studies (25+5)	Beatriz Sanchez Nieto	
16.45 – 17.15		Coffee Break 2		
17.15 – 18.00	23.15 – 00.00	Discussion: LQM: physical challenges versus biological parameters	All on-site speakers & Niklas Wahl	Oliver Jäkel
18.00	00.00	Closing	Hosts & Course Leaders	

This event celebrates our fruitful cooperation in Medical Physics over the past 15 years as part of the project “Center of Excellence in Research and Teaching” at the Heidelberg Center Latin America (HCLA) which is funded by the German Academic Exchange Service (DAAD) since 2009.

We invite everyone attending on site to celebrate with us at HCLA at our ceremony from 18.30 – 19.30 and during our get together at the end of the ceremony!

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18.30 – 19.30	-	Ceremony to celebrate our cooperation	Various speakers	
19.30	-	Get Together	-	

A short schedule of the ceremony is available online here: <https://hub.dkfz.de/s/o97XdS3EFefjczT>

Radioresistance from an experimental/preclinical point of view**Confirmed Speakers:****Prof. Ignacio Espinoza Bornscheuer, PhD**

Pontificia Universidad Católica de Chile, Facultad de Física, Santiago de Chile

Prof. Oliver Jäkel, PhDGerman Cancer Research Center, Division of Medical Physics in Radiation Oncology, Heidelberg, Germany
Heidelberg Ion Beam Therapy Center (HIT), Heidelberg, Germany**María José Besso, PhD**

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Ina Kurth, PhD

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Lorena Lobos-González, PhDLaboratorio de Comunicaciones Celulares, ICBM, Universidad de Chile, Santiago de Chile
Centro de Medicina Regenerativa, ICIM, Universidad Del Desarrollo, Santiago de Chile**Prof. Beatriz Sánchez Nieto, PhD**

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Prof. Joao Seco, PhD

German Cancer Research Center, Division of Biomedical Physics in Radiation Oncology, Heidelberg, Germany

Niklas Wahl, PhD

German Cancer Research Center, Division of Medical Physics in Radiation Oncology, Heidelberg, Germany

Website: https://www.dkfz.de/en/medphys/education_and_training/workshop_hcla2024.html**Venue:** Heidelberg Center Latin America (HCLA)**Address:** Las Hortensias 2340, Providencia, Santiago de Chile**Maps:** <https://maps.app.goo.gl/d2LTLJnYehQC1ZfR7>**Participation:** free of charge**Modus:** hybrid event with online access via Zoom**Language:** English