

Workshop

Experimental Radiobiology: Physics meets Biology and Medicine

5-6 March 2020

Since the early years of radiotherapy, Radiobiology has led to fundamental insights into radiation oncology. A large compendium of experimental data is now available constituting the scientific basis of clinical protocols employed today. In order to maintain the scientific and clinical relevance of this discipline, physicists, biologists and clinicians must overcome the challenges of the multidisciplinary work to offer the best of each scientific knowledge to unravel the mechanisms of the tumor and normal tissue radiation response. A lot has been already done but there is a lot more to be discovered and understood.

This two-day workshop will explore the latest advances and challenges of experimental radiobiology and will allow to foster and initiate collaborations among the participants. Presentations will navigate from mathematical models of radiation response, to current clinical challenges going through *in vitro* methods, animal models, beam simulation, dosimetry and, radiation dose computation, among others.

Speakers:

Ignacio Espinoza, UC, Chile

Araceli Gago-Arias, IDIS, Spain

Christin Glowa, DKFZ, Germany

Carsten Herskind, University Medical Centre Mannheim, U. of Heidelberg, Germany

Christian P. Karger, DKFZ, Germany

Ina Kurth, DKFZ, Germany

Katherine Marcelain, U. de Chile, Chile

Pablo Muñoz, Centro de Cancer UC-CHRISTUS, Chile

Alexander Neuholz, DKFZ, Germany

Isabela Paredes-Cisneros, DKFZ, Germany

Francois Paris, Université de Nantes, France

Yannick Poirier, U. of Maryland, USA

Beatriz Sánchez-Nieto, UC, Chile

Venue: Heidelberg Center Latin America, Las Hortensias 2340, Providencia, Chile

Information and registration: info@hcla.uni-heidelberg.de

http://www.heidelbergcenter.cl/medicalphysics/en/fet_in_mp_en/workshop-2019_en/



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