

20 DEC
2024

Friday
LECTURE

MEET & EAT *

Light lunch provided
Room Robin Holliday

11.00am - 12.00pm

12.00pm - 1.00pm



Mitochondria at the hub of cell death and immunity in irradiated cancer cells

ABSTRACT

Immunogenic cell death (ICD) is a functionally defined form of regulated cell death that culminates in the initiation of adaptive immune responses with an active effector phase. Radiation therapy (RT) is a bona fide ICD inducer, as demonstrated preclinically in both prophylactic vaccination assays and in abscopal tumor models. The ability of RT to drive ICD critically impinges on type I interferon (IFN) secretion by irradiated cancer cells. We demonstrated that ICD elicited by RT in preclinical models of HR+ breast cancer requires mitochondrial outer membrane permeabilization (MOMP) and is tonically inhibited by mitophagy and caspases.



SPEAKER

Prof Lorenzo Galluzzi

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HOST:

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*Please note that registration for the MEET and EAT is mandatory by sending an email to Siu-Thinh.Ho@lih.lu

Locations:

Lecture:

CHL - Amphitheatre
4, rue Ernest Barblé
L-1210 Luxembourg

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