

25 FEB
2025

Tuesday
LECTURE

MEET & EAT *

Light lunch provided

11.00am - 12.00pm

12.00pm - 1.30pm



The interplay of caspase-8 and p53 in malignant melanoma

ABSTRACT

Mutations in p53 is a hallmark of tumor development leading to loss-of-function or gain-of-function. Consequently, cancer cells resist p53-dependent cell cycle checkpoints and intrinsic apoptosis. Intriguingly, the residual 50% of tumors can still progress with wildtype (wt)p53 indicating that these tumor cells have adapted alternative mechanisms suppressing *wtp53* functions.

We have recently identified a non-canonical role of caspase-8 in the nucleus of MM that allows tumor cells with wildtype p53 (*wtp53*) activity to establish a *de facto* p53 protein loss, shifting cell fate from cell cycle arrest and apoptosis towards mitotic cell division at the G2/M checkpoint. In the nucleus, caspase-8 cleaves and inactivates the deubiquitinase USP28, preventing it from de-ubiquitinating and stabilizing *wtp53*. Integration of these different molecular mechanisms may pave the way for the identification of new therapeutic targets or the reactivation of conventional approaches, like chemotherapy, to provide improved and tailored treatment options.



SPEAKER

Prof Dr Dagmar Kulms

PI

HOST:

University of Luxembourg

RESPONSIBLE SCIENTIST:

Stephanie Kreis, UL

*Please registration is mandatory for meet & eat:

[Registration Meet and Eat - Lecture Prof. Kulms](#)

Locations:

Lecture:

Belval Riken room in BT2

To join the Webinar:

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Event number: 2787 079 7302
Event password: RbhBmegU232