

03 MAY 2024

Friday

LECTURE

MEET & EAT *

Light lunch provided

11.00am - 12.00pm

12.30pm - 2pm



Necrophagy, coprophagy, DaNGeRous indigestion and immunity to cancer

ABSTRACT

Innate and adaptive immunity work concertedly in vertebrates to restore homeostasis following pathogen invasion or other insults. Like all homeostatic circuits, immunity relies on an integrated system of sensors, transducers and effectors that can be analysed in cellular or molecular terms. At the cellular level, T and B lymphocytes act as an effector arm of immunity that is mobilised in response to signals transduced by innate immune cells that detect a given insult. These innate cells are spread around the body and include dendritic cells (DCs), the chief immune sensors of pathogen invasion and tumour growth. At the molecular level, DCs possess receptors that directly sense pathogen presence and tissue damage and that signal to control antigen presentation or to regulate a plethora of genes encoding effector proteins that regulate immunity. The lecture will focus on understanding how DCs integrate environmental signals to drive immunity to cancer, with applications in immunotherapy.



SPEAKER

Prof. Caetano Reis e Sousa

Principal Group Leader/ Assistant Research Director
Francis Crick Institute, London, UK

HOST:

Department of Infection and Immunity (LIH)

RESPONSIBLE SCIENTIST:

Dirk Brenner / (dirk.brenner@lih.lu)

* Please note that registration is mandatory by sending an email to carole.weis@lih.lu or michelle.roderes@lih.lu

Locations:

Lecture:

House of BioHealth
Conference Room
(ground floor 0)
29, rue Henri Koch,
L-4354 Esch-sur-Alzette

Meet & eat:

House of BioHealth
Salle Françoise Barré Sinoussi
Registration mandatory