

17 May
2023

Wednesday

LECTURE

11.00 - 12.15 pm

MEET & EAT*

Light lunch provided

12.45 - 2 pm



Metabolic requirement of regulatory B cells and plasma cells in health and disease

ABSTRACT

Regulatory B cells (Bregs) are an immunosuppressive subset of B cells that restore homeostasis following inflammatory responses, primarily via the provision of IL-10.

Bregs have been shown to be numerically and functionally decreased in autoimmunity whilst enriched in primary solid tumors. While the field of immunometabolism is rapidly expanding little is understood about Breg metabolic requirements. Understanding the metabolic requirement of Bregs over other B cells subsets which may shed light on the dysregulation of this cell subset in disease and provide novel therapeutic targets.

I will present an historical view of Bregs function, and the signals required for their differentiation. I will also share more recent data characterising how Bregs meet their metabolic demands in response to inflammation and how this can be manipulated for the restoration of B cell responses in patients with SLE.



SPEAKER

Prof Claudia Mauri

Institute of Immunity and Transplantation, 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