

LECTURE SERIES & WORKSHOPS

INFECTION & IMMUNITY

11

FEB. 2016

Thursday



LECTURE

Lycée Technique
d'Esch/Alzette
Salle de Projection *

1.00 - 2.30 pm

WORKSHOP *

House of BioHealth
Room Françoise
Barré-Sinoussi

3.00 - 4.30 pm

* Registration is mandatory
by sending an email to
florence.henry@lih.lu



SPEAKER

**Prof. Erika
JENSEN-JAROLIM
MD**

Full Professor at the Interuniversity
Messerli Research Institute
of Medical University Vienna,
University of Veterinary Medicine
Vienna and University Vienna
Head of Dept of Comparative
Medicine and Head of AllergyCare,
Molecular Allergy Diagnosis and
Study Center, Vienna, Austria

HOST:

**Department of Infection
and Immunity**

RESPONSIBLE LIH SCIENTIST:

Prof. Markus Ollert
(markus.ollert@lih.lu)

NOVEL IMMUNE INSIGHTS TO FIGHT CANCER

ABSTRACT

Tumor progression results from the balance between the oncogenic signal versus immune reactions in cancer, which are often dominated by tolerogenic signals from tumor-infiltrating T regulatory cells as well as from the tumor cells themselves. This may be the reason why anticancer vaccines did so far not achieve the expected success, despite formulations with immune stimulatory adjuvants, usage of novel vehicles facilitating co-stimulation, or application of tumor antigen mimetics. It may be expected that anticancer vaccines will have a breakthrough since immune checkpoint inhibitors have been introduced lately.

Nevertheless, most of the studies investigating anticancer immunity are focusing on cytotoxic responses which are classically rather associated with Th1 immunity. Less work has been done concentrating on Th2-type immune responses, that we know so well in allergy, in and around cancer tissues.

Whereas allergists aim at achieving immune tolerance and oncologists at its avoidance, Allergo-Oncology combines their knowledge to improve the understanding of allergy mechanisms in cancer.

* Opposite Luxembourg Institute of Health, House of BioHealth,
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