

# 29

Mar  
2023

Wednesday

LECTURE

11.00 - 12.15 pm

MEET &amp; EAT \*

Light lunch provided

12.45 - 2 pm



## Novel diagnostic and therapeutic approaches for IgE-mediated allergies

### ABSTRACT

The scientific journey of Dr. Eggel began at the University of Fribourg with basic studies in biology and later continued at the University of Bern where he received his PhD in experimental immunology. After a postdoctoral stay at Stanford University, he established an independent research group, which he is heading since 2013. In 2017, he received the “venia docendi” in experimental immunology from the Medical Faculty of the University of Bern where he also became an associated professor in translational immunology in 2021. Dr. Eggel is an expert in allergy, immunology and aging research with a broad knowledge in both therapeutic and diagnostic areas. His laboratory primarily focuses on the investigation of biologic mechanisms underlying both beneficial as well as pathologic type-2 immune responses. On the one hand, Dr. Eggel is seeking to get a better understanding about the development of allergies to come up with alternative diagnostic and therapeutic approaches. In his studies, he focuses on the generation and engineering of next generation antibodies or multifunctional alternative binding scaffolds. On the other hand, he is interested in age-related immunological changes and the possibility to manipulate regulatory functions of the immune system to systemically rejuvenate aged mammalian organisms. In both fields, he integrates molecular, cellular as well as systemic approaches to get a holistic view of the biological mechanisms. In this lecture Dr. Eggel will give an overview on present and future concepts for the diagnosis and treatment of allergic (IgE-mediated) hypersensitivity reactions.



### SPEAKER

**Dr Alexander Eggel**

University of Bern, Department for BioMedical Research  
University Hospital Bern, Department for Rheumatology  
and Immunology, Switzerland

### HOST:

Department of Infection and Immunity (LIH)

### RESPONSIBLE SCIENTISTS:

Christiane Hilger/ (christiane.hilger@lih.lu)  
Annette Kuehn/ (annette.kuehn@lih.lu)

\* Please note that registration is mandatory by sending an email to [carole.weis@lih.lu](mailto:carole.weis@lih.lu) or [michelle.roderes@lih.lu](mailto:michelle.roderes@lih.lu)

### Locations:

#### Lecture:

Lycée Guillaume Kroll  
d'Esch/Alzette  
Room: Salle de Projection\*

#### Meet & eat:

House of BioHealth  
Salle Françoise Barré Sinoussi  
29, rue Henri Koch,  
L-4354 Esch-sur-Alzette  
Registration mandatory

\*Opposite Luxembourg Institute of Health, House of BioHealth,  
29, rue Henri Koch, L-4354 Esch-sur-Alzette