



LECTURE SERIES & WORKSHOPS

# INFECTION & IMMUNITY

# 17

OCT 2019

Thursday

## LECTURE

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

**11.00 - 12.00 pm**

## MEET & EAT\*

**light lunch provided**  
*House of BioHealth,  
Room Françoise  
Barré-Sinoussi*

**12.30 - 2.00 pm**



\*Please register by sending a mail to [florence.henry@lih.lu](mailto:florence.henry@lih.lu)



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## SPEAKER

### Prof Fiona POWRIE

Director of the Kennedy  
Institute of Rheumatology,  
University of Oxford, England

## HOST:

Department of Infection  
and Immunity (LIH)

## RESPONSIBLE LIH SCIENTIST:

Prof Mahesh Desai  
([mahesh.desai@lih.lu](mailto:mahesh.desai@lih.lu))

## GUT REACTIONS: HOST MICROBIOME INTERACTIONS IN THE INTESTINE IN HEALTH AND DISEASE

### ABSTRACT

The gastrointestinal (GI) tract is home to a large number and vast array of bacteria that play an important role in nutrition, immune system development and host defense. In inflammatory bowel disease (IBD) there is a breakdown in this mutualistic relationship resulting in aberrant inflammatory responses to intestinal bacteria. Studies in model

systems indicate that intestinal homeostasis is an active process involving a delicate balance between effector and immune suppressive pathways. In this presentation I will discuss bacterial pathways that promote intestinal homeostasis and host defence and how these may be harnessed therapeutically.

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Supported by:



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