

# TWINCORE & Uniklinik Aachen Seminar

Monday June 4<sup>th</sup>, 2018, 5 p.m.  
TWINCORE Seminar room 0.02

## A polarized type III IFN immune response in human intestinal epithelia cells revealed potential novel tolerance mechanisms for commensals



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The intrinsic innate immune response in Intestinal epithelial cells (IECs) is known to be finely tailored due to the complexity of our gastrointestinal tract (commensals+pathogens). Type III interferon has emerged as an important player at mucosal surfaces providing local protection and avoiding systemic response. Here I will present our results using human organoids which characterize unique functions of type III interferon and reveal intrinsic mechanisms in IECs that are important to partially tolerate the commensals and as such regulate gut immune-homeostasis.

### Who is Steve Boulant?

- Chica und Heinz Schaller Foundation Junior Group Leader at CellNetworks Cluster and German Cancer Research Center (DKFZ). Heidelberg University
- Post-doctoral associate Harvard Medical School, Boston MA., USA since 2008
- Post-doctoral fellow MRC Glasgow 2004-2008
- PhD University Lyon I 2001-2004

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