

# TWINCORE - Seminar

Friday July 10<sup>th</sup>, 2015, 3 p.m.

TWINCORE Lecture Hall

„In mice for men, mouse model(s) to understand inflammatory bowel disease“

## Prof. Dr. Werner Müller

In the presentation, I will describe in detail the cellular Interleukin-10 cytokine network. Starting with the classical IL-10 knockout mouse mutant to the latest cell type specific Interleukin-10 and Interleukin-10 receptor deficient mice, we now have a much better understanding of the various cell types within the cellular cytokine network in the gut. This data will be compared to what has been demonstrated in patients that develop early onset inflammatory bowel disease. The conclusion will be that the classical Interleukin-10 deficient mouse mutant predicted the genetic link between mutations in the Interleukin-10 and the Interleukin-10 receptor genes for patients with early onset inflammatory bowel disease. After this part of the presentation, unpublished new mouse models will be discussed.



### Who is Werner Müller?

- 1987 - 2000 member of the Klaus Rajewsky lab in Cologne.
- 2000 - 2006 establishment of a new Experimental Immunology Dept. at the former GBF Braunschweig (now HZI).
- Since 2006 Werner Müller is the Bill Ford Chair of Cellular Immunology at the University of Manchester. He is currently the academic lead of the transgenic unit and Research Theme Director for Infection, Inflammation and Immunity in the Faculty of Life Sciences.
- Scientific coordinator of the FP7 EU funded consortium SysmedIBD ([www.sysmedIBD.eu](http://www.sysmedIBD.eu)) in the area of systems medicine.

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