



## **Systems medicine of chronic inflammatory bowel disease – a new approach in biomedical research**

**Public Symposium of the 2<sup>nd</sup> SysmedIBD General Assembly Meeting**

**Monday, March 17<sup>th</sup> 2014, 15:00 – 19:00**

Super C, RWTH Aachen University  
6<sup>th</sup> floor  
Templergraben 57  
52070 Aachen

Dear colleagues,

we are kindly inviting you to the public symposium of the 2<sup>nd</sup> SysmedIBD General Assembly Meeting.

SysmedIBD stands for Systems medicine of chronic inflammatory bowel disease. The collaborative research initiative funded by the 7<sup>th</sup> Framework Programme of the European Commission aims at revealing oscillating biological processes such as the NF- $\kappa$ B pathway associated with inflammatory bowel disease by applying a systems medicine approach. The international consortium consists of mathematicians, systems biologists, geneticists, molecular and cellular biologists, immunologists and clinicians. The objective of the project is to understand basic mechanisms leading to inflammatory bowel disease and to define new treatment targets and biomarkers that may predict the disease's course and the outcome of treatment.

The symposium addresses to clinicians and researchers with a general interest in new approaches in biomedical research and/or a specific interest in inflammatory bowel disease.

Professor Werner Müller  
University of Manchester

Professor Christian Trautwein  
University Hospital Aachen



## Program

- 15:00 – 15:10      **Opening and welcome**  
Christian Trautwein, University Hospital Aachen
- 15:10 – 15:25      **Research concept of SysmedIBD: an introduction**  
Werner Müller, University of Manchester
- 15:30 – 15:50      **NfκB – a dynamic master regulator of cells**  
Mike White, University of Manchester
- 15:55 – 16:15      **Network analysis in systems biology**  
Alexander Kel, GeneXplain GmbH, Wolfenbüttel
- 16:20 – 16:40      **From mice to men – mouse models of intestinal inflammation**  
Werner Müller, University of Manchester
- 16:45 – 17:15      **Coffee break**
- 17:15 – 17:35      **Humanized mouse models to study mucosal inflammation**  
Scott Snapper, Harvard Medical School
- 17:40 – 18:00      **Transcriptomes and genomes in inflammatory bowel disease**  
Philip Rosenstiel, Christian-Albrechts-University Kiel
- 18:05 – 18:25      **The South Limburg prospective and population based IBD biobank project**  
Marieke Pierik, University of Maastricht
- 18:30 – 18:50      **Biomarkers in inflammatory bowel disease: current practices and future clinical needs**  
Jürgen Schölmerich, Johann Wolfgang Goethe-University Frankfurt a. M.
- 18:55 – 19:00      **Conclusion**  
Christian Trautwein, University Hospital Aachen