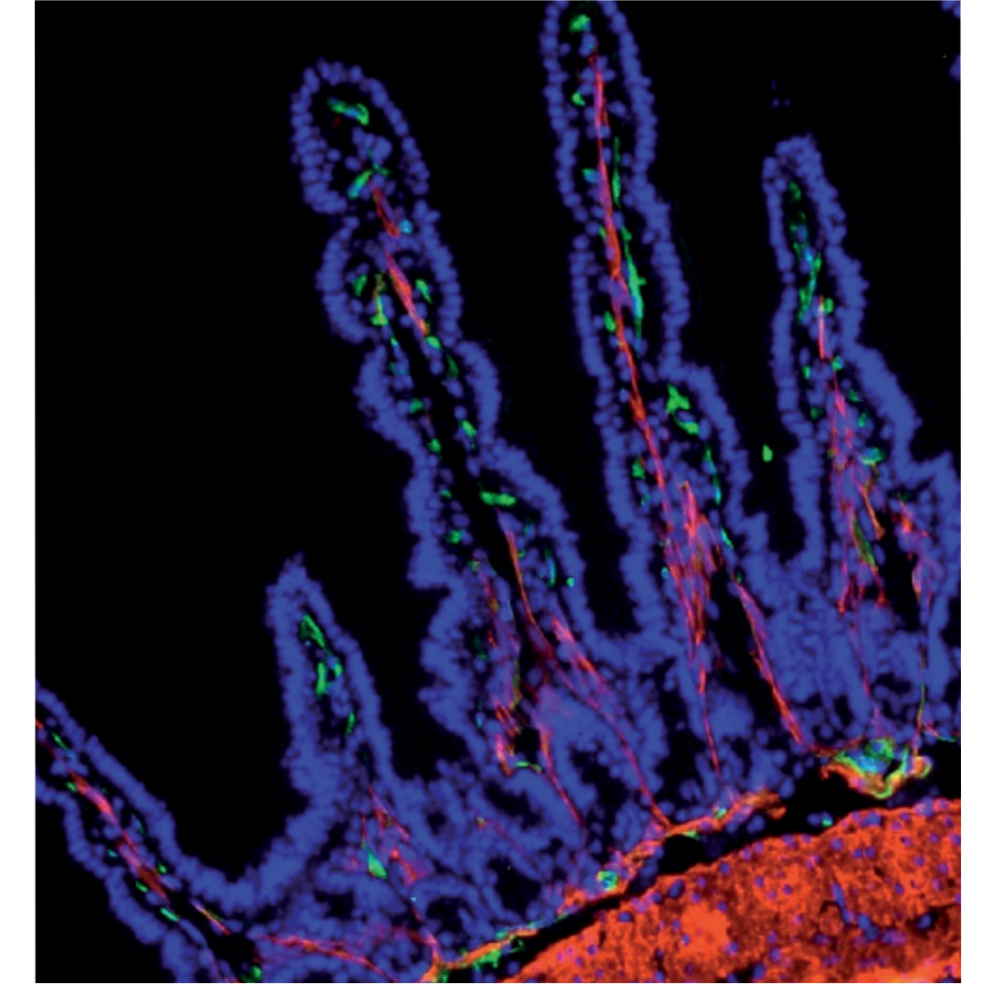


The indigenous microbiota

Impact on immunity, vascular physiology and cardiovascular disease



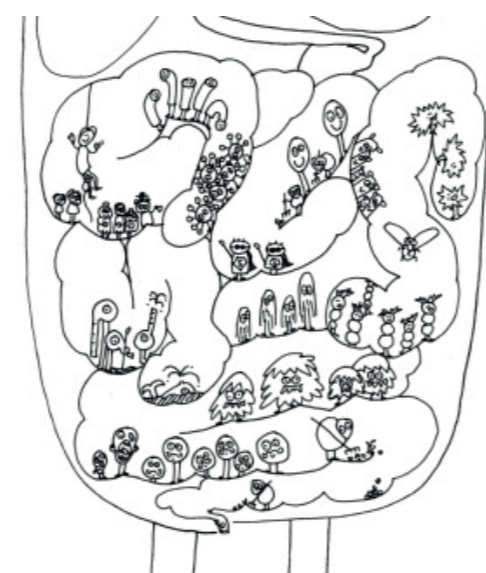
Date: September 5th, 2016

Venue: Lecture Hall 708

Public Interest Session

17.00 Uhr Welcome Remarks
C. Reinhardt

17.10 Uhr Giulia Enders: Darm mit Charme
Buchlesung/Reading
- German Language-



Drawing by Jill Enders

Date: September 6th, 2016

Venue: Lecture Hall 505

08.30 Uhr Welcome Remarks
U. Förstermann, G. Berg, W. Ruf

08.45 Uhr The Gut Microbiota in Metabolic Disease
Chair: A. Diefenbach, A. Waisman

08.45 Fredrik Bäckhed, Gothenburg
Gut microbial effects on cardiovascular disease

09.20 Ruth E. Ley, Tübingen & New York
Recent events in human evolution linked to modern microbiomes

10:30 Uhr Microbiota, Immunity & Intestinal Inflammation
Chair: F. Bäckhed, D. Schuppan

10:30 William Agace, Lund
Dendritic cell subsets in the regulation of mucosal T cell homeostasis

11:05 Nadine Cerf-Bensussan, Paris
Microbiota-driven maturation of the gut immune barrier:
The role of Segmented Filamentous bacterium

11:40 Carles Ubeda, Valencia
The dark side of antibiotics:
Changes in the microbiome promote infections

12:15 Elena Verdú, Hamilton
Microbiota-gluten-host interactions:
Implications for celiac disease pathogenesis

14:00 Uhr Immune Mechanisms in Thrombosis & Vascular Disease
Chair: T. Münzel, W. Ruf

14:00 Andrew J. Macpherson, Bern
Metabolite exchange between microbes and their host

14:35 Paul S. Frenette, New York
Regulation of neutrophil aging by microbiota

Two selected short talks

15:10 Wei-Hung Pan, Kiel
Host-microbiota interactions affect DNA methylation in intestinal epithelial cells and reflect postnatal development

15:25 Natalia Torow, Aachen
Active suppression of intestinal CD4+TCR+ T lymphocyte maturation during the postnatal period

16:10 Uhr Microbiota & Cardiovascular Disease
Chair: U. Walter, K. Jurk

16:10 Casper van Olden, Amsterdam
Microbiota, inflammation and obesity-induced diabetes

16:45 Christoph J. Binder, Vienna
The role of microbiota in the immune response to oxidation-specific epitopes

17:20 Heiko Herwald, Lund
Modulation of hemostatic mechanisms in bacterial infectious diseases

17:55 Sven Jäckel, Mainz
Gut microbiota and VWF in arterial platelet deposition

18:10 Uhr Concluding Remarks
C. Reinhardt, A. Diefenbach



Organizing Committee: Christoph Reinhardt, Wolfram Ruf, Ulrich Walter, Andreas Diefenbach, Detlef Schuppan

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