



# Lecture Molecular Medicine

## Decoding Infection and Resistance: Host Immunity and Pathogenic Strategies



Summer term 2025 - Thursdays, 12 - 1 p.m.  
CMMC Research building (P) and virtual (V)

- 24.04.25 P **Neonates are not small adults - postnatal establishment of host-microbial homeostasis**  
Mathias Hornef | RWTH Aachen
- 08.05.25 P **Antimicrobial Resistance in the age of Genomics**  
Paul Higgins | University Hospital Cologne
- 15.05.25 P **Nucleoside Signals at the Root: Cross-Kingdom Dialogues in Plant Immunometabolism**  
Alga Zuccharo | University of Cologne
- 22.05.25 P **Innate defenses against *Leishmania***  
Esther von Stebut & Jonathan Jantsch | University Hospital Cologne
- 05.06.25 P **Unraveling Bacterial Adaptive Evolution to Innovate Next-Generation Antimicrobial Strategies**  
Christoph Ernst | University Hospital Cologne
- 12.06.25 V **Gut sweet home: How *Salmonella* invades the colonized gut**  
Wolf-Dietrich Hardt | ETH Zürich
- 26.06.25 P **Linkage of iron homeostasis to immunity against infection**  
Günter Weiss | Med University Innsbruck
- 03.07.25 P **Immune responses to pathogens at mucosal surfaces**  
Astrid Westendorf | University Duisburg-Essen
- 10.07.25 V **Maternal immunity against *Listeria***  
Naomi McGovern | University of Cambridge
- 17.07.25 P **B cell immunity and antibodies in antimicrobial defense**  
Florian Klein | University Hospital Cologne
- 24.07.25 P **Lipid metabolism in the Macrophage - *M. tuberculosis* Interaction: A new Perspective for Host-directed adjunctive Treatment**  
Norbert Reiling | Research Center Borstel

Organization & further information:  
Curriculum

C Niemann | CMMC, Coordinator IPMM Scientific  
J Jantsch | Chair Inst. Med. Microbiol., Immunol. & Hyg.  
E von Stebut | Chair Department of Dermatology

