TWINCORE

9TH TWINCORE Symposium
31. August 2017

"Communication pathways in infection"

Programme

09.00–09.10   **Ulrich Kalinke**
Welcome address "9th TWINCORE Symposium"

09.10–09.40   **Jan Buer**
Opening lecture: Fighting infections - lessons and perspectives from immunology

TOPIC: Microbiota, gut immunology
Chair: Jan Buer

09.40–10.10   **Hansjörg Schild**
Microbiota-controlled type I interferons program dendritic cells for the priming of adaptive immune responses

10.10–10.30   **Till Strowig**
Regulation of intestinal inflammation by the microbiota

10.30–11.00   **Barbara Rehermann**
Natural microbiota confer protection against lethal influenza virus infection and resistance to colorectal tumorigenesis

11.00–11.20   **Matthias Lochner**
Induction and control of immune responses during intestinal infections

11.20–11.50   Coffee break

TOPIC: Modulation of the host response by bacterial metabolites
Chair: Barbara Rehermann

11.50–12.20   **André Gessner**
Role of bactericidal permeability increasing protein (BPI) in host-microbe interaction

12.20–12.40   **Luciana Berod**
Influencing immune cell activation and differentiation by microbe-associated immunomodulatory metabolites

12.40-13.10 **Ulf Beier**
Using lactate to evade host immunity: NAD redox metabolism controls T cell function through aerobic glycolysis

13.10-14.10 Lunch

TOPIC: Anti-viral immunity
Chair: Hansjörg Schild

14.10-14.40 **Teunis Geijtenbeek**
Dendritic cells control HIV-1 infection and antiviral immunity

14.40-15.00 **Ulrich Kalinke**
Kupffer cells in acute viral hepatitis

15.00-15.30 **Mathias Heikenwälder**
On the role of hepatocyte-intrinsic NF-kB signaling in controlling systemic viral infections and clearance

15.30-15.50 **Thomas Pietschmann**
Association of HCV with lipoproteins and its role for persistence and immune escape

15.50-16.20 Coffee break

TOPIC: Diagnostics and epidemiology
Chair: Teunis Geijtenbeek

16.20-16.40 **Susanne Häußler**
Developing molecular diagnostic tools for pathogen genotyping

16.40-17.00 **Gérard Krause**
Developing novel diagnostic approaches to enhance epidemiological research

17.00-17.30 **Dirk Brockmann**
Network science, complexity and infectious disease dynamics

17.30 Summer party / barbecue