

# 8<sup>TH</sup> TWINCORE Symposium

1. September 2016

“Immunomodulation and evasion in infection”

## Programme

08.15-09.00      Accreditation

09.00-09.15      **Ulrich Kalinke**  
Welcome address “8<sup>th</sup> TWINCORE-Symposium”

09.15-09.30      **Maria Masucci**  
Chairperson of the TWINCORE Scientific Advisory Board 2008 - 2016

### TOPIC: From microbiome to metabolome: novel avenues for immunomodulation

Chair: Matthias Lochner

09.30-10.00      **André Gessner**  
Microbiome analytics in basic research and personalized medicine

10.00-10.20      **Tim Sparwasser**  
Influencing immune cell activation and differentiation by microbe-associated immunomodulatory metabolites

10.20-10.40      **Luciana Berod**  
Metabolic pathways shaping immune cell function

10.40-11.10      Coffee Break

### TOPIC: Host- and pathogen-derived biomarkers in infectious diseases

Chair: Mathias Müsken

11.10-11.40      **Alain Filloux**  
Pseudomonas aeruginosa lifestyles, bacterial warfare & novel antimicrobials

11.40-12.00      **Susanne Häussler**  
Molecular diagnostics for patho- and resistotyping

12.00-12.20      **Frank Pessler**  
Cerebrospinal fluid biomarkers for VZV reactivation

12.20-13.20      Lunch

## **TOPIC: Arms race between virus and host: implications for viral evolution and tropism**

Chair: Richard Brown

- 13.20-13.50      **John DeVincenzo**  
Assessing immune responses through the lens of the virus: viral dynamics, and within-host deep sequencing of Respiratory Syncytial Virus in infants and adults
- 13.50-14.10      **Christine Goffinet**  
Towards understanding HIV-1-mediated evasion of innate immunity
- 14.10-14.30      **Thomas Pietschmann**  
Identification of restriction factors that limit hepatitis C virus infection and control species tropism
- 14.30-15.00      Coffee Break

## **TOPIC: Pro- and anti-viral effects of the host response**

Chair: Vânia Bonato

- 15.00-15.20      **Ulrich Kalinke**  
Cytomegalovirus-mediated interferon induction and evasion
- 15.20-15.40      **Eike Steinmann**  
Pro- and anti-viral mechanisms of hepatitis E virus responses to interferon or ribavirin
- 15.40-16.00      **Jördis Ott**  
Epidemiological studies on hepatitis
- 16.00-16.30      Coffee Break



## **CRC900 invited key note lecture**

Chair: Thomas Pietschmann

- 16.30-17.30      **Maria Teresa Cantanese**  
Structure and composition of hepatitis C virus: novel insights into virus-host interactions required for propagation of infection
- 17.30              Summer party / Barbecue

