Programme

08.15–09.00 Accreditation

09.00–09.15 Ulrich Kalinke
Welcome address “8th 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 DeVincento
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  Elke 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