11TH TWINCORE Symposium
29. August 2019

"Infection research meets big data"

Programme

08.15–09.00	Accreditation

09.00–09.20   **Ulrich Kalinke**
Welcome address „ 11th TWINCORE Symposium"

09.20–10.00   **Yang Li**
A big data approach to infection research: translating genetic variation into immune function

TOPIC: Bacteriology

10.00–10.30   **Helle Krogh Johansen**
Pseudomonas aeruginosa adaptation in cystic fibrosis airways

10.30–10.40   **Susanne Häussler**
Parallel evolutionary paths to produce more than one Pseudomonas aeruginosa biofilm phenotype

10.40–11.10   Coffee Break

TOPIC: RNA viruses

11.10–11.40   **Shirit Einav**
Towards better understanding and predicting severe dengue: from single cell to multi-cohort transcriptomic analyses

11.40–11.50   **Thomas Pietschmann**
High resolution profiling of human antibody responses to Hepatitis C virus

11.50–12.00   **Gisa Gerold**
Quantitative high-resolution proteomics reveals human pathogenic virus host factors

TOPIC: DNA viruses

12.00-12.30   **Florian Erhard**
Revealing core features of CMV-induced regulation in single cells
by scSLAM-seq

12.30-12.40   **Ulrich Kalinke**
Myeloid cells in cytomegalovirus dissemination

12.40-13.40   Lunch

TOPIC: Epigenetics, immunometabolism

13.40-14.10   **Stacy Horner**
Regulation of the epitranscriptome during viral infection

14.10-14.40   **Chengjian Xu**
Epigenetic regulation in allergic disease and infection

14.40-14.50   **Matthias Lochner**
Targeting the cellular fatty acid metabolism in intestinal infection and inflammation

14.50-15.20   Coffee Break

TOPIC: Clinical infectiology

15.20-15.50   **Markus Cornberg**
Impact of HCV cure on the immune system

15.50-16.20   **Juan Carlos López-Alfonso**
A machine learning approach to predict virological relapse in chronic hepatitis B
virus infection

16.20-16.30   **Frank Pessler**
Cerebrospinal fluid metabolites as biomarkers to distinguish between viral and
autoimmune encephalitis

16.30-16.40   **Gérard Krause**
Digital surveillance, outbreak response management and analysis system

17.00   Barbecue