

NCOH Annual Scientific Meeting 2018

Date: 30 May 2018

Location: Life Sciences & Health Hub
Rotterdam Science Tower

- 10.00 -10.30 **Registration**
- 10.30 -10.40 **Welcome**
[Prof. Marion Koopmans](#)
Head department of Virology, Erasmus MC
Scientific Director Emerging Infectious Diseases Preparedness NCOH
- 10.40 -10.45 **Welcome**
[Prof. Hans van Leeuwen](#)
Dean Faculty of Medicine and Health Sciences
Member Board of Directors, Erasmus MC
- 10.45 -11.15 How Zika virus induces congenital microcephaly
Prof. Marc Lecuit, Institut Pasteur, France
- 11.15 -11.45 **Trained Immunity**
[Prof. Mihai Netea, Radboudumc](#)
- 11.45 -12.15 **PIWIs go viral**
Small RNA-based antiviral defense in vector mosquitoes
Dr. Ronald van Rij, Radboudumc
- 12.15 -13.30 **Lunch**
- 13.30 -14.45 **NCOH – Theme Meetings – Split meetings**

Emerging Infectious Diseases Preparedness

Updates on the theme Emerging Infectious Diseases

Prof. Marion Koopmans

Head department of Virology, Erasmus MC

Scientific Director Emerging Infectious Diseases Preparedness NCOH

Microencephaly in fetal piglets following in utero inoculation of Zika virus

Dr. Paul Wichgers Schreur, WUR

Extra-respiratory infections with zoonotic and pandemic influenza viruses

Dr. Debby van Riel, Erasmus MC

Inhibition of chikungunya virus replication by novel nucleoside analogues that target the viral capping enzyme nsP1

Dr. Martijn J. van Hemert, LUMC

Unravelling homo- and heterotypic antibody responses to influenza viruses

Dr. Brenda Westerhuis, Erasmus MC

Broad receptor engagement by an emerging coronavirus

Dr. Wentao Li, UU

Tackling Antimicrobial Resistance

Updates on the theme Tackling Antimicrobial Resistance

Prof. Marc Bonten, Utrecht University Medical Center
Scientific Director Tackling Antimicrobial Resistance NCOH

Volatile compounds as antibiotics

Mariana Avalos Garcia, UL

Antibiotic resistance in the aquatic environment

Dr. Heike Schmitt, RIVM

ESBL prevalence and vegetarian diet

Anouk Meijs, RIVM

An open database for bacterial antimicrobial susceptibility data associated with whole bacterial genomes

Dr. Sebastien Matamoros, AMC

*Epistatic interactions across the genome involving complex biological pathways have contributed to the adaptive evolution of multidrug resistant *E. faecium**

Dr. Janetta Top, UMCU

Smart and Healthy Farming

Updates on the theme Smart and Healthy Farming

Dr. Annemarie Rebel, Wageningen University and Research
Scientific Director Smart and Healthy Farming NCOH

Stimulating the chicken innate immune system to improve immune fitness

Dr. Christine Jansen, UU

The environmental benefits of plant-based diets challenged

Ir. Martine Hoogsteen, RIVM

Maternal interventions affect piglet intestinal development and immune competence

Dr. Astrid de Greeff, WUR

Healthy Wildlife and Ecosystems

Updates on the theme Healthy Wildlife and Ecosystems

Prof. Andrea Gröne, Utrecht University
Scientific Director Healthy Wildlife and Ecosystems NCOH

Environmental and social factors promote Lyme disease and Q-fever over various spatio-temporal scales

Dr. Ronald Petie, Wageningen Bioveterinary Research, WUR

Soluble and volatile antimicrobial compounds produced in terrestrial environment

Dr. Paolina Garbeva, NIOO

The ecology of diseases: from cells to ecosystems

Dr. Dedmer van de Waal, NIOO

Water and health: complex interactions and integrated solutions

Dr. Eline Boelee, Deltares

Dr. Harm Duel, Deltares

Break

14.45 -15.15 Selected post doc and PhD talks – YOUNG NCOH

Quantitative risk assessment of meat-borne Toxoplasma gondii infection in the mainland of China

Jenny Deng, aio, RIVM

Why Midges Matter: the microbiome of midges

Tim Mohlmann PhD, WUR

Clostridium difficile and the microbiome

Romy Zwittink PhD, LUMC

ZIKA virus

Thomas Langerak PhD, Erasmus MC

The 2nd sialic acid-binding site that is lost in human pandemic influenza A viruses contributes to virion binding to and self-elution from receptors

Wenjuan Du, Erasmus MC

Identification of sialic acid binding function for the Middle-East respiratory syndrome coronavirus spike glycoprotein

Wentao Li, UU

Pathogenesis of Rift Valley Fever in pregnant ewes

Judith Oymans, WUR

Virus classification from next generation sequencing data using deep learning

David Nieuwenhuijsen, Erasmus MC

Title TBC

Widagdo

15.15 -16.45

Wrap up

Dr. Rik de Swart, Erasmus MC

16.45 -17.15

Drinks & Bites

17.15 ...