

DAVS 2019

Amsterdam, 8 March

Dutch Annual Virology Symposium

Location	Centrale Openbare Bibliotheek (OBA Theater) Oosterdokskade 143, 1011 DL Amsterdam
Organizers	Raoul de Groot and Emmanuel Wiertz
Information	Meeting & registration: Martine Koot Congresbureau KNAW +31 20 551 0747 martine.koot@knaw.nl General information: Anja Streefkerk-Veldt +31 30 253 2485 virology@uu.nl

Programme

09:00 h	<i>Welcome</i>
09:25 h	<i>Opening</i>
09:30 h	Inhibition of Chikungunya virus replication by targeting host S-adenosyl-homocysteine hydrolase and viral nonstructural protein 1 <i>Martijn van Hemert</i> LUMC - Leiden
09:50 h	Identification of a novel inhibitor of alphavirus entry <i>Finny Varghese</i> Radboudumc - Nijmegen
10:10 h	Viral factors important for the neurotropism of influenza A viruses <i>Jurre Siegers</i> Erasmus MC - Rotterdam
10:30 h	<i>Coffee Break</i>
11:00 h	The Epstein-Barr virus BART18 microRNA directly targets host genes to affect autophagy in infected cells <i>Hendrik de Buhr</i> UMCU - Utrecht
11:20 h	The transcriptional complexity of varicella-zoster virus unraveled by direct RNA nanopore sequencing <i>Shirley Braspenning</i> Erasmus MC - Rotterdam
11:40 h	Structure and immunogenicity of a stabilized HIV-1 envelope trimer based on a group M consensus sequence <i>Kwinten Sliepen</i> AMC-UvA - Amsterdam
12:00 h	Bispecific single-domain antibody-based complexes protect against bunyavirus infections <i>Paul Wichgers Schreur</i> WUR - Wageningen

- 12:15 h** Engineering yellow fever virus 17D–based RNA replicons into an innovative DNA-launched vaccine vector platform for emerging viruses such as MERS-CoV
Marjolein Kikkert / LUMC – Leiden
- 12:30 h** *Lunch*
- 13:30 h** Betacoronavirus S and HE proteins are in functional balance; evidence for convergent evolution of betacorona- and influenzaviruses
Yifei Lang / UU - Utrecht
- 13:50 h** Human vaginal and skin dendritic cell subsets control ZIKA virus infection
Julia Eder / AMC-UvA - Amsterdam
- 14:10 h** Zika virus infection perturbs osteoblast function
Noreen Mumtaz / Erasmus MC - Rotterdam
- 14:30 h** Subgenomic flavivirus RNA binds the antiviral mosquito DEAD-box helicase ME31B and determines Zika virus transmission by Aedes aegypti
Giel Goertz / WUR – Wageningen
- 14:50 h** Results of the survey on (future) DAVS meetings
Raoul de Groot & Emmanuel Wiertz
- 15:05 h** *Tea Break*
- 15:40 h** Protective human monoclonal antibodies targeting different stages of MERS coronavirus entry
Berend Jan Bosch / UU - Utrecht
- 16:00 h** *Beijerinck Virology Prizes Awards Ceremony*
Opening by Wim van Saarloos, President KNAW

Laudatio: Ron Fouchier, chairman of the advisory committee M.W. Beijerinck Virologie Fonds

Presentation of the Awards
Beijerinck Virology Prize 2019 to Eva Harris
Beijerinck Premium 2019 to Robert de Vries and Rory de Vries
- 16:20 h** **Beijerinck Premium lectures**

Illuminating influenza A virus receptor interactions
Robert de Vries / Department of Chemical Biology and Drug Discovery, Utrecht Institute for Pharmaceutical Sciences, Utrecht University, Utrecht, The Netherlands

Measles: not an innocent childhood disease

Rory de Vries | *Department of Viroscience, Erasmus MC, Rotterdam, The Netherlands*

16:45 h

Beijerinck Lecture

The Flavivirus NS1 protein: Unraveling mechanisms of pathogenesis of dengue, Zika, and beyond

Eva Harris | *Division of Infectious Diseases and Vaccinology, School of Public Health, University of California, Berkeley, Berkeley, California, United States*

17:20 h

Closing and Reception