

## ESCV Workshop Next Generations Sequencing in Clinical Virology

### Day 1, Tuesday November 20

9.00-9.15 Welcome by ESCV executive  
*Mariet Feltkamp, Leiden University Medical Center, Leiden (NL)*

9.15-9.45 Diagnostic Virology on the move  
*Louis Kroes, Leiden University Medical Center, Leiden (NL)*

#### Practical Issues on Next Generation Sequencing

9.45-10.15 NGS platforms: requirements for Clinical Virology  
*Eric Claas, Leiden University Medical Center, Leiden (NL)*

10.15-10.45 Sample pre-treatment: challenge in virology  
*Sander van Boheemen, Erasmus Medical Center, Rotterdam (NL)*

10.45-11.15 *Coffee break*

11.15-11.45 Enrichment of viral nucleic acids in clinical samples  
*Rob Schuurman, University Medical Center Utrecht, Utrecht (NL)*

11.45-12.15 Bioinformatic tools for Sequence Data Analysis in Clinical Virology  
*Ellen Carbo, Leiden University Medical Center, Leiden (NL)*

12.15-13.30 *Lunch*

#### Application of Next Generation Sequencing in Virology

13.30-14.00 Using NGS in Clinical virology  
*Nicole Fischer, Eppendorf University Medical Center, Hamburg (D)*

14.30-15.00 NGS and virology in a University Medical Center  
*Natacha Couto, University Medical Center Groningen, Groningen (NL)*

#### Evolution, Resistance and Surveillance,

15.00-15.30 NGS reveals complex natural history of multiple HCV infections among i.v. drug users  
*Richard Molenkamp, Erasmus Medical Center, Rotterdam (NL)*

15.30-16.00 *Tea Break*

16.00-16.30 Deep sequencing in antiviral resistance testing  
*Rob Schuurman, University Medical Center Utrecht, Utrecht (NL)*

16.30-17.00 NGS as tool for surveillance of viruses  
*Heli Harvala, NHS Blood and Transplant, London (UK)*

## Day 2, Wednesday, November 21

9.00-9.15      Opening  
*Mariet Feltkamp, LUMC, Leiden (NL)*

### Diagnostic sequencing, metagenomics

9.15-9.45      New aetiology for known viruses  
*Judy Breuer, University College of London, London (UK)*

9.45-10.15    Unbiased sequencing in a cohort of COPD patients  
*Jutte de Vries, Leiden University Medical Center, Leiden (NL)*

10.15-10.45   NGS in a large regional diagnostic laboratory  
*Kate Templeton, Royal Infirmary of Edinburgh (UK)*

10.45-11.15   *Coffee break*

### Determining the virome

11.15-11.45   The virome in immunosuppressed patients  
*Maia Segura Wang, Medical University of Vienna, Vienna (AU)*

11.45-12.15   Role of the virome in the immunocompetent  
*Jutte de Vries, LUMC, Leiden (NL)*

12.15-13.30   *Lunch*

### Participant Presentations

13.30-15.00   Questions and discussion points raised by the participants, 5-10 min each  
*Moderators: Eric Claas and Mariet Feltkamp, LUMC, Leiden (NL)*

15.00-15.15   End of Meeting and farewell