



EMMD

October 09 – 11, 2019

PROGRAM OF THE EUROPEAN MEETING ON MOLECULAR DIAGNOSTICS 2019

Grand Hotel Huis ter Duin, Noordwijk aan Zee
October 09 – 11, 2019

Wednesday October 09, 2019

08.30 - 10.00 *Company sponsored satellite symposium (Mediphos)*

10:00 – 10.30 Registration & coffee

10.30 **Opening EMMD 2019**
(All plenary sessions will take place in the Pické rooms 2&3)

10.30 – 11.55 Session 1:
MOLECULAR DIAGNOSTICS IN ONCOLOGY

10.30 – 11.05 **Keynote lecture: Title: TBC**
Prof. Albrecht Stenzinger
Molekularpathologisches Zentrum | Pathologisches Institut Universitätsklinikum
Heidelberg, Germany

11.05 – 11.40 **Keynote lecture: Evaluation of four commercial platforms for cfDNA analysis**
Dr. Daan van den Broek
Antoni van Leeuwenhoek Dutch Cancer Institute

11.40 – 11.55 **Idylla as primary screen for tumor mutations in non-small cell lungcancer**
Dr. Monique Oostra
Gelre Ziekenhuizen, Apeldoorn, The Netherlands

11.55 - 13.30 LUNCH & POSTERS
(lunch will be served in the exhibition & poster area, posters can be viewed during lunch)

13.30 – 14.50: Session 2:
MOLECULAR DIAGNOSTICS IN INFECTIOUS DISEASES (I)

13.30 - 14.05 **Keynote lecture: Intestinal Microbiota Dynamics with high risk cancer patients**
Dr. Ying Taur
Memorial Sloan Kettering Cancer Center, New York USA

- 14.05 – 14.20 **Clinical use of 16S rRNA Ion Torrent Next-generation sequencing and bioinformatic pipeline**
Adj. Prof. Helena Enroth, A. Kokkonen, A. Tilevik, M. Fagerlind, A-K Pernestig, D. Tilevik
School of Bioscience, University of Skövde and Unilabs, Sweden
- 14.20 – 14.35 **Genital microorganisms in pregnant women in pemba island**
Dr. Elena Ambrosiano, N.C.A. Juliana, S. Deb, S. Sazawal, S.A. Morré
Institute for Public Health Genomics, Maastricht the Netherlands
- 14.35 – 14.50 **Metabarcoding-like approach for high throughput detection and identification of viral nucleic acids**
Alina Matsvay, D. Kiselev, A. Ayginin, E. Pimkina, A. Speranskaya, V. Dedkov, G. Shipulin, K. Khafizov
FSBI “Center of Strategical Planning” of the Ministry of Health, Moscow Russian Federation
- 14.50 – 15.15 COFFEE BREAK & POSTERS**
(will be served in the exhibition & poster area, posters can be viewed)
- 15.15 – 16.35: Session 3:
MOLECULAR DIAGNOSTICS IN INFECTIOUS DISEASES (II)
- 15.15 – 15.50 **Keynote lecture: The force awakens: multidrug resistance in *Aspergillus fumigatus***
Dr. Willem Melchers
Radboud University Medical Centre, Nijmegen the Netherlands
- 15.50 – 16.05 **Two new, fully integrated molecular systems for viral load analysis of blood-borne viruses: NeuMoDx (NeuMoDx and Qiagen) vs. Alinity m (Abbott)**
Stefan Boers, K. Mourik, J.C.P. Thijssen, E. Wessels, E.C.J. Claas
Leiden University Medical Center, the Netherlands
- 16.05 – 16.20 **Next generation sequencing (NGS) of Hepatitis B virus with the Vela Sentosa HBV genotyping and resistance assay**
Dr. Robert Ehret, A. Moritz, M.J. Obermeier, St. Breuer
MIB, Berlin Germany
- 16.20 – 16.35 **Evaluation of DNA extraction methods for the detection of Cytomegalovirus in dried blood spots**
Jasmine Coppens, D. Leenaerts, D. Ursi, H. Goossens, E. Padalko, V. Matheeussen
UZA Hospital, Edegem Belgium
- 16.35 - 18.00 WELCOME RECEPTION & POSTER VIEWING**
(will be served in the exhibition & poster area, posters can be viewed during the reception)

Welcome reception is sponsored by Hologic

Thursday October 10, 2019

07.15 – 08.45 *Company sponsored satellite symposium(UgenTec)*

08.30 – 09.00 Registration & coffee

09.00 – 10.45 Session 4:

MOLECULAR DIAGNOSTICS IN LABORATORY MEDICINE

09.00 – 09.35 **Keynote lecture: PGx “Must Test” Genotyping Recommendations: AMP Pharmacogenomics Working Group AMP Clinical Practice Committee**
Dr. Victoria Pratt
Indiana University School of Medicine, Dept of Medical and Molecular Genetics, USA

09.35 – 10.10 **Keynote lecture: CYP2D6 Genotyping: Beware of Hybrids**
Dr. Charity Nofziger
PharmGenetix Gmbh, Niederalm-Anif Austria

10.45 – 11.15 **COFFEE BREAK & POSTERS**

(will be served in the exhibition & poster area, posters can be viewed)

11.15 – 13.10 Session 5:

QUALITY MANAGEMENT IN MOLECULAR DIAGNOSTICS

11.15 – 11.50 **Keynote lecture: Viral metagenomics in the clinical realm: lessons learned from a Swiss-wide ring trial**
Dr. Aitana Lebrand
SIB | Swiss Institute of Bioinformatics, Geneva Switzerland

11.50 – 12.25 **Keynote lecture: Title TBC**
Dr. Simon Patton
European Molecular Genetics Quality Network (EMQN), c/o Manchester Centre for Genomic Medicine, United Kingdom

12.25 – 12.40 **Molecular Diagnostic EQA Testing of Transplant-Associated Pathogens - Assessment of Laboratory Performance over ten years**
Elaine McCulloch, P. Wallace, H.G. Niesters
Quality Control for Molecular Diagnostics, Glasgow United Kingdom

12.40 – 12.55 **Emerging requirements for infectious disease IVD quality control material**
Pavel Zhelev, M.L. Luscher, A.A. Alagic, J. Li
Microbix Biosystems, Mississauga Canada

12.55 – 13.10 **Pilot multicenter in-silico proficiency test of bacterial outbreak Whole-genome sequencing analyses performed in The Netherlands**
Jordy Coolen, J.M. Fonville, S. Matamoros, SIG consortium
Radboud UMC Nijmegen, the Netherlands

13.10 – 14.45 **LUNCH & POSTERS**

(lunch will be served in the exhibition & poster area, posters can be viewed during lunch)

14.45 – 16.20 Session 6:

MOLECULAR DIAGNOSTICS IN INFECTIOUS DISEASES (III)

14.45 – 15.20 **Keynote lecture: Clinical metagenomics : where do we stand?**

Prof. Jacques Schrenzel

Bacteriology and Genomic Research Laboratories, Geneva University Hospitals,
Switzerland

15.20 – 15.35 **Rapid Routine Viral Genotyping using Nanopore Sequencing**

Dr. Sander van Boheemen, F.B. Loenen, M. Oude Munnik, R. Molenkamp, M.P.G.
Koopmans

Erasmus MC Rotterdam, the Netherlands

15.35 – 15.50 **Use of MALDI-TOF mass spectrometry for the genotyping of single-nucleotide polymorphisms within genes associated with hepatitis B virus infection**

Magda Rybicka PhD, A. Woziwodzka, A. Sznarkowska, P. Stalke, M. Dreczewski, K.P.
Bielawski

Intercollegiate Faculty of Biotechnology UG&GUMed, Gdansk Poland

15.50 – 16.05 **Identification of highly pathogenic human polyomavirus strains using NGS**

Dr. Eeva Auvinen

Helsinki University Hospital, Virology and Immunology, Helsinki Finland

16.05 – 16.20 **NGS for the diagnosis of intraocular infections in limited-volume samples**

Jolanda de Groot-Mijnes, J. Ossewaarde-van Norel, W. Nijhuis, J.H. de Boer, A.M.J.
Wensing, A.C. Schurch, R. Schuurman

UMCU Utrecht, the Netherlands

16.30 – 18.00 *Company sponsored satellite symposium (Cepheid)*

16.30 – 18:30 Satellite meetings / networking groups / leisure time

18.30 – 22.00 EMMD CONFERENCE DINNER

Location: **Restaurant Bries** Noordwijk, Koningin Astrid Boulevard 102

Friday October 11, 2019

08.30 – 09.00 Registration & coffee

09.00 – 10.55 Session 7:

MOLECULAR DIAGNOSTICS IN OUTBREAK MANAGEMENT

09.00 – 09.35 **Keynote lecture: Investigating emerging epidemics in the era of real-time virus genomics**

Prof. Oliver Pybus

University of Oxford, Dept. of Zoology, United Kingdom

09.35 – 10.10 **Keynote lecture: Hepatitis E virus: Opportunities for control of an emergent zoonotic pathogen?**

Dr. Suzie Coughlan

UCD National Virus Reference Laboratory/School of Public Health, Physiotherapy and Sports Science, Belfield, Dublin Ireland

10.10 – 10.25 **Neonatal outbreak of parechovirus 3: Which sample type is the best?**

Anne Vankeerberghen PhD, E. Govaere, A. Boel, K. Van Vaerenbergh, L. Cattoir, H. De Beenhouwer
OLVZ Aalst, Belgium

10.25 – 10.40 **A robust, sensitive PCR-based solution to verify scabies in outbreak situations**

Dr. Ulrike Zelck, R. Bialek, N. Warncke, U. Karsten

LADR GmbH Medizinisches Versorgungszentrum Dr. Kramer & Kollegen

10.40 – 10.55 **Sequence typing of *Sarcoptes scabiei* from skin scrapings**

Dr. Anneke Bergmans, A.M.M. Wennekes, S.D. Pas, E.B. Fanoy, B.B. Wintermans
Mircovida, Roosendaal the Netherlands

10.55 – 11.30 COFFEE BREAK & POSTERS

(will be served in the exhibition & poster area, posters can be viewed)

11.30 – 12.35 Session 8:

MOLECULAR DIAGNOSTICS IN PREVENTIVE MEDICINE

11.30 – 12.05 **Keynote lecture: Primary hrHPV screening in the Dutch cervical cancer screening program**

Prof. Dr. Ed Schuurin

HPV BVO The Netherlands

12.05 – 12.35 **Keynote lecture: Molecular Diagnostics of Cervical Cancer: Relevance of HPV and other biomarkers**

Dr. Renske Steenbergen

Amsterdam University Medical Centers, Amsterdam the Netherlands

13.10 – 14.15 **LUNCH & POSTERS**

(lunch will be served in the exhibition & poster area, posters can be viewed during lunch)

14.15 – 16.00 Session 9:

FUTURE MOLECULAR DIAGNOSTICS AND NEW DIAGNOSTIC TECHNOLOGIES

14.15 – 14.50 **Keynote lecture: Impact of Bio-informatics on health care**

Prof. dr. Peter J. van der Spek

Erasmus Medical Centre, Rotterdam the Netherlands

14.50 – 15.25 **Keynote lecture: HIV cure, the concept, successes and diagnostic challenges**

Speaker tbc

University Medical Center Utrecht, The Netherlands

16:00

CLOSURE OF THE MEETING AND FINAL REMARKS