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
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 – 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)
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 McCullogh, 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**
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 EMMDD 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 Schuuring  
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