

PROGRAM OF THE EUROPEAN MEETING ON MOLECULAR DIAGNOSTICS 2017

Grand Hotel Huis ter Duin, Noordwijk aan Zee
October 11 - 13, 2017

Wednesday October 11, 2017

08:30 - 10:00 *Company sponsored satellite symposium: **Mediphos Medical Supplies BV***
Subject: Trends in molecular POCT for improved management of infectious diseases
Location: Margriet, Irene and Christina Salon, Ground floor

10:20 Opening EMMD 2017
(All plenary sessions will take place in the Pické rooms 2&3)

10.30 - 12.00 Session 1:
MOLECULAR DIAGNOSTICS IN ONCOLOGY: diagnostics and therapy monitoring

Chair: Prof. dr. E.J. Speel

10:30 – 11:15 Keynote 1: **Liquid Biopsy: Technologies and clinical applications**
Prof. dr. Klaus Pantel
University Medical Center Hamburg-Eppendorf

11:15 – 12:00 Keynote 2: **Title tbc**
Prof. dr. Ernst-Jan Speel
Maastricht University Medical Centre

12:00 – 13:15 LUNCH + POSTERS
(lunch will be served in the exhibition & poster area, posters can be viewed during lunch)

13:15 - 15.00 Session 2:
MOLECULAR DIAGNOSTICS IN INFECTIOUS DISEASES I

Chair: Dr. G. Storch & Dr. R. Molenkamp

13:15 – 14:00 Keynote: **Clinical metagenomics: why does microbiota matter?**
Prof. dr. Jacques Schrenzel, MD
Bacteriology and Genomic Research Laboratories, Geneva University Hospitals

14:00 – 14:15 **High levels of Mycoplasma genitalium antibiotic resistance are observed in Australia**
Dr. Simon Bone
SpeedX Ltd, London

14:15 – 14:30 **Microbiome analysis in clinical diagnostics**
Dr. Ruud Jansen
Streeklab Haarlem

14:30 – 14:45 **A real-time PCR for detection of mycobacteria in clinical samples in an era of changing epidemiology**
Dr. Arjan de Jong
Medical Microbiology, Radboud UMC Nijmegen

14:45 – 15:00 **Viability-PCR to explore the clinical impact of Chlamydia trachomatis PCR-positive results.**
Dr. Petra Wolffs
Medical Microbiology, Maastricht University Medical Center

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15:00 - 15:30 COFFEE BREAK + POSTERS

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

15:30 – 17:15 Session 3:

MOLECULAR DIAGNOSTICS IN INFECTIOUS DISEASES II

Chairs: Dr. R. Molenkamp, Prof. J. Schrenzel

15:30 – 16:15 Keynotes: **Update on Viral Metagenomics**

Dr. Gregory Storch

Washington University School of Medicine

16:15 – 16:30 **Viral Shedding Dynamics of Rhinovirus, Coronavirus and Respiratory Syncytial Virus in Adult Invasively Ventilated Critical ill Patients**

Dr. Richard Molenkamp

Medical Microbiology, AMC Amsterdam

16:30 – 16:45 **Migrating an in house MERS-CoV real-time PCR to three “Sample to Result” systems: experiences on optimization and validation.**

Glynis Frans

UZ Leuven

16:45 – 17:00 **Detecting 24 respiratory targets in one multiplex panel: a piece of cake.**

K.D. Dierckx

OLV Hospital Aalst

17:00 – 17:15 **Exploring Metagenomic Next-Generation Sequencing in Routine Diagnostics of Viral Respiratory Infections**

Dr. Sander van Boheemen

Medical Microbiology, LUMC Leiden

17:15 - 18:45 WELCOME RECEPTION & POSTER VIEWING

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

Thursday October 12, 2017

07:15 - 08:45 *Company sponsored satellite symposium: **Cepheid***
Subject: tbc
Location: Panorama room 7 (2nd floor)

09:00 – 10:45 Session 4:
HEALTH ECONOMICS

Chairs: Prof. Dr. J. Schrenzel, Dr. S. Coughlan

09:00 – 09:35 Keynote 1: **Trends in Science, Technology, and Finance: What do they mean for the future of laboratory medicine?**
Prof. William Morice, MD, PhD
Mayo Clinic School of Continuous Professional Development

09:35 – 10:10 Keynote 2: **Clinical utility and Cost-effectiveness of Molecular Diagnosis of Infectious Disease in a Belgian Laboratories Network Perspective**
Prof. Olivier Vandenberg, MD, PhD
Department of Microbiology, LHUB - ULB, Pôle Hospitalier Universitaire de Bruxelles

10:10 – 10:45 **Session Panel:**
Prof. Jacques Schrenzel, MD., Dr. Suzie Coughlan, Prof. William Morice, Prof. Olivier Vandenberg

10:45 – 11:15 COFFEE BREAK + POSTERS
(will be served in the exhibition & poster area, posters can be viewed during lunch)

11:15 – 12:45 Session 5:
QUALITY MANAGEMENT IN MOLECULAR DIAGNOSTICS

Chair: Dr. S. Coughlan

11:15 – 11:45 Keynote 1: **The new EU Regulation on IVDs - where did it come from, and what can we expect?**
Prof. dr. David Barton
Molecular Genetics Laboratory, Department of Clinical Genetics, Our Lady's Children's Hospital, Crumlin Dublin

11:45 – 12:15 Keynote 2: **Maintaining quality in molecular point of care testing for infectious diseases**
Prof. dr. Melissa B. Miller, PhD
UNC School of Medicine, Chapel Hill, NC

12:15 – 12:45 Keynote 3: **Quality assurance of NGS**
Dr. David Bibby
National Infection Service - Public Health England

12:45 – 14:00 LUNCH + POSTER SESSION*
* poster presentations by presenting author

Thursday October 12, 2017

14:00 – 16:00 Session 6:

MOLECULAR DIAGNOSTICS IN LABORATORY MEDICINE: HEMATO-ONCOLOGY AND PHARMACOGENETICS

Chairs: Prof. R. van Schaik, Dr. L. Cnops

14:00 – 14:30 Keynote 1: **Chances and pitfalls using NGS in diagnostics of myeloid leukemias**
Dr. Manja Meggendorfer
MLL Münchner Leukämielabor GmbH, München, Germany

14:30 – 15:00 Keynote 2: **Inherited mutations predisposing to myelodysplastic syndromes (MDS) and familial acute myeloblastic leukemia (AML): should we include those genes in the somatic panels?**
Dr. Frédéric Lambert
C.H.U. de Liège, Belgium

15:00 – 15:30 Keynote 3: **Pharmacogenetics of drug transporters**
Prof. Mikko Niemi
Professor Pharmacogenetics, Helsinki, Finland

15.30 – 16:00 Keynote 4: **Molecular diagnostic applications within the field of Clinical Chemistry**
Prof. Dr. Ron van Schaik
Professor Pharmacogenetics Erasmus Mc Rotterdam, chair Committee Molecular Biology Diagnostics of the Dutch Clinical Chemistry Association (NVKC)

16:15 **SATELLITE MEETINGS / WORKING GROUPS / LEISURE TIME**

16:15 – 17:45 *Company sponsored satellite symposium: **Roche***
Subject: tbc
Location: Panorama room 7 (2nd floor)

16:15 – 17:45 *Company sponsored satellite symposium: **Ugentec***
Subject: The impact of artificial intelligence on routine molecular diagnostics
Location: Panorama room 8 (2nd floor)

19:00 – 22:00 CONFERENCE DINNER

Location: Restaurant Bries Noordwijk, Koningin Astrid Boulevard 102

Friday October 13, 2017

07:15 - 08:45 *Company sponsored satellite symposium: **Hologic***
Subject: Panther Fusion: Evolution in Molecular Diagnostics
Location: Panorama room 7 (2nd floor)

09:00 – 10:10 Session 7:
MOLECULAR DIAGNOSTICS IN OUTBREAK MANAGEMENT of infectious diseases

Chair: Prof. dr. P. Savelkoul

09:00 – 09:35 Keynote: **What is the value of molecular investigations in a management of hospital viral outbreaks?**
Prof. dr. Heli Harvala
University College London Hospitals NHS Foundation Trust, London United Kingdom

09:35 – 10:10 tbc

10:10 – 10:30 Poster pitches

10:30 - 11.00 COFFEE BREAK + POSTERS
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11:00 – 12:40 Session 8:
MOLECULAR DIAGNOSTICS IN PREVENTIVE MEDICINE

Chair: tbc

11:00 - 11:35 Keynote 1: **Non-invasive prenatal testing (NIPT)**
Dr. Erik Sistermans
VU University Medical Center Amsterdam, the Netherlands

11:35 – 12:10 Keynote 2: tbc

12:10 – 12:25 **Faster antidepressant treatment success in depression therapy:
RIDA@PRECISION ABCB1 real-time PCR assay for ABCB1 genotyping**
Veronika Schweizer
R-Biopharm AG, Darmstadt

12:25 – 12:40 **CeliaSCAN: a new multiplex real-time PCR Assay for the detection of strongly
Celiac Disease-associated Human Leukocyte Antigens DQ2.5, DQ2.2, and DQ8**
R. Heijmans
TubaScan Ltd. Beverwijk

12:40 – 13:45 LUNCH + POSTERS
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Friday October 13, 2017

13:45 – 15:45 Session 9:

NEW DIAGNOSTIC TECHNOLOGIES

Chair: Dr. L. Segerink

13:45 – 14:20 Keynote 1: **Molecular characterization tumor Cells in blood to guide treatment of cancer patients**

Prof. dr. Leon Terstappen

MIRA Research Institute for Biomedical Technology and Technical Medicine,
University of Twente, The Netherlands

14:20 – 14:55 Keynote: tbc

14:55 – 15:10 **Flow cytometric detection of specific genes in human lymphocytes**

N. Uno

Laboratory Medicine, Nagasaki University

15:10 – 15:25 **Molecular tests to determine the functional activity of tumor-driving signal transduction pathways**

Evelien den Biezen-Timmermans BSc

Philips HealthWorks

15:25 – 15:40 **Rapid, Sensitive and Automated Detection of 12 Bacterial and Viral Causes of Sexually Transmitted Infections with EasyScreen™ STI 3base™ Assays.**

Ronald Burggrave

Genetic Signatures, Australia

15:40 – 15:45 **CLOSURE OF THE MEETING AND FINAL REMARKS**

POSTER INFORMATION:

- Posters can be found in the exhibition area in the van Berckel Lounge and the Foyer.
- Posters are numbered by abstract number. The abstracts can be found from **page 19 onwards**, they are displayed by order of abstract number. Keynote and oral abstracts first, then poster abstracts.
- The posters can be viewed during each break. Poster presenters should be at their poster during the poster session Thursday October 12.
- During the poster pitches a selection of posters will be highlighted.