

# ISMD2018 SCIENTIFIC PROGRAM

**THURSDAY, May 31, 2018**

**10:15 – 10:30 Opening**

Harald H. Kessler, President, ISMD2018

Alexander C. Haushofer, Past President, Austrian Society for Laboratory Medicine and Clinical Chemistry

**10:30 – 12:30 Plenary Session (20<sup>th</sup> Anniversary of ISMD)**

**Chairs:** Alexander C. Haushofer, Harald H. Kessler

**10:30 – 11:30**

**Molecular Diagnostics from the cradle to the grave**

Christoph Noppen, Viollier AG, Basel, Switzerland

**11:30 – 12:30**

**Is preterm birth an infectious disease? Implications for risk identification and prevention**

Nigel J. Klein, UCL Institute of Child Health, UCL Great Ormond Street, London, UK

**12:30 – 14:30 Lunch Break / Industrial Exhibition / Poster View**

**14:30 – 16:00 New Technologies 1 (supported by manufacturers)**

**Chairs:** Hans-Joachim Burkardt, Evelyn Stelzl

**14:30 – 14:48**

**HIV and HCV genotyping and drug resistance monitoring using targeted Ion Torrent NGS: an update**

Gerd Michel, Vela Research Ltd., Singapore

**14:48 – 15:06**

**Update on the RoboGene® Kit for HDV RNA Quantification (CE-IVD)**

Eileen Brandenburger, Analytik Jena, Germany

**15:06 – 15:24**

**Evaluation of the Siemens VERSANT® kPCR molecular system with Fast Track Diagnostics respiratory multiplex polymerase chain reaction respiratory panels**

Petra Leidinger-Kaufmann, Fast Track Diagnostics, A Siemens Healthineers company, Esch-Sur-Alzette, Luxembourg

**15:24 – 15:42**

**Clinical Evaluation of the EasyScreen™ Enteric Viral Detection Kit EV002**

Ronald Burggrave, Genetic Signatures Ltd., Darlinghurst, Sydney, Australia

**15:42 – 16:00**

**Screening for tropical infectious fever of unknown origin**

Olfert Landt, TIB Molbiol, Berlin, Germany

**16:00 – 16:30 Coffee Break / Industrial Exhibition / Poster View**

**16:30 – 18:00 New Technologies 2 (supported by manufacturers)**

**Chairs:** Christoph Noppen, Jürgen Prattes

**16:30 – 16:48**

**Automated sample processing and detection of pathogens using the AltoStar® AM16 workflow**

Volkan Duvan, altona Diagnostics GmbH, Hamburg, Germany

**16:48 – 17:06**

**High nucleic acids extraction efficiency from biological samples through the GENEQUALITY X120 automated platform**

Anna Gani, AB ANALITICA srl, Padova, Italy

**17:06 – 17:24**

**Torque Teno Virus: a clinically relevant immune status biomarker for immunocompromised patients?**

Carole Janis, bioMérieux, Verniolle, France

**17:24 – 17:42**

**Validation and performance of a comprehensive lung cancer NGS assay for a therapeutic mutation survey in a Lower Austrian molecular pathology laboratory**

Alfred Schöller, Institute of Clinical Pathology and Molecular Pathology, LK Mistelbach, Austria  
**17:42 – 18:00**

**Validation of a new commercial assay for detection of SLCO1B1 allelic variant c.521T>C by real-time PCR using melting curve analysis**

Manuela Födinger, Institute of Laboratory Diagnostics, Kaiser Franz Josef Municipal Hospital Vienna, Austria

**FRIDAY, June 01, 2018**

**09:00 – 10:30 Pathogens – HCV, HDV**

**Chairs:** Brigitte I. Santner, Rudolf E. Stauber

**09:00 – 09:30**

**HCV genotyping: is it still clinically relevant in the era of direct acting antiviral agents?**

Johannes Vermehren, University Clinics Frankfurt/Main, Germany

**09:30 – 09:50**

**Reliability of HDV RNA quantification: Where are we?**

Michael Chudy, Paul-Ehrlich-Institute, Langen, Germany

**09:50 – 10:10**

**Clinical application of droplet digital PCR for hepatitis delta virus RNA quantification**

Antonella Olivero, University of Torino, Italy

**10:10 – 10:30**

**Comparison of automated extraction and amplification platforms on quantification of plasma HDV RNA**

Evelyn Stelzl, Medical University of Graz, Austria

**10:30 – 11:00 Coffee Break / Industrial Exhibition / Poster View**

**11:00 – 12:30 Pathogens – HIV and other Sexually Transmitted Infections / Gastrointestinal Viruses**

**Chairs:** Bernhard Haas, Georg Mustafa

**11:00 – 11:25**

**Tobacco use enhances immune activation but impairs immune function in HIV patients**

Deshratn Asthana, University of Miami – Miller School of Medicine, Miami, Florida, USA

**11:25 – 11:50**

**Vascular health in HIV: the role of cardiovascular risk factors, biomarkers of inflammation, HIV disease status and antiretroviral therapy (results from the EndoAfrica study, Cape Town, South Africa)**

Hans Strijdom, Division of Medical Physiology, Stellenbosch University, Cape Town, South Africa

**11:50 – 12:10**

**Multi-target PCR – the multi-tool in molecular diagnostics?**

Carsten Tiemann, Labor Krone, Bad Salzuflen, Germany

**12:10 – 12:30**

**Update on intra-individual norovirus evolution: genotypic and phenotypic analyses**

Dieter Hoffmann, Institute of Virology, TU Munich, Germany

**12:30 – 14:30 Lunch Break / Industrial Exhibition / Poster View**

**14:30 – 16:00 Quality Assurance / Quality Control & Preparedness for Public Health Emergencies**

**Chairs:** C. Micha Nuebling, Michael Chudy

**14:30 – 15:00**

**Assessing quantitative EQA performance data over time. Is the 0.5 log variation still a valid measure of performance?**

Paul Wallace, QCMD, Glasgow, UK

**15:00 – 15:30**

**Responding to public health emergencies - preparedness planning of the World Health Organization**

C. Micha Nuebling, WHO, Geneva, Switzerland

**15:30 – 16:00**

**Standardization when there are no International Standards available**

Paul Wallace, QCMD, Glasgow, UK

**16:00 – 16:30 Coffee Break / Industrial Exhibition / Poster View**

**16:30 – 18:00 Liquid Profiling – Molecular Hemato-Oncology**

**Chairs:** Alexander C. Haushofer, Gregor Hörmann

**16:30 – 17:00**

**Next generation sequencing in molecular hemato-oncology**

Gregor Hörmann, Medical University of Vienna, Austria and MLL Munich Leukemia Laboratory, Munich, Germany

**17:00 – 17:30**

**Liquid profiling for the detection of RAS mutations - facts and fiction**

Wilfried Renner, Medical University of Graz, Austria

**17:30 – 18:00**

**Bioinformatics tools in hematological diagnostics and research and their application to whole-genome-sequencing**

Stephan Hutter, MLL Munich Leukemia Laboratory, Munich, Germany

**IMPORTANT NOTE FOR AUSTRIAN PARTICIPANTS /**

**WICHTIGE MITTEILUNG FÜR ÖSTERREICHISCHE TEILNEHMER/INNEN**

**Ab 18:00 Uhr Informationsveranstaltung zur Facharztprüfung aus Medizinischer und Chemischer Labordiagnostik für PrüfungskandidatInnen**

**SATURDAY, June 02, 2018**

**09:30 – 11:00 Pharmacogenetics – New Approaches**

**Chairs:** Alexander C. Haushofer, Gregor Hörmann

**09:30 – 10:00**

**Multi-modal decision-support to enable pharmacogenetics-based drug dosing across seven European countries**

Kathrin Blagec, Medical University of Vienna, Austria

**10:00 – 10:30**

**ABCB1 test: blood-brain barrier pharmacogenetics for antidepressant therapy**

Christoph Noppen, Viollier AG, Basel, Switzerland

**10:30 – 11:00**

**Applications of pharmacogenetics (PGx) in a clinical setting**

Madeleine M. Stübler, Medical University of Graz, Austria

**11:00 – 11:30 ISMD2018 Best Poster Award**

**Chairs:** Deshratn Asthana, Alexander C. Haushofer

**POSTER SESSIONS**

**THURSDAY, May 31, 2018 (poster walk 13:30 – 14:30) & FRIDAY, June 01, 2018 (poster walk 13:30 – 14:30)**

**All presenters must be present for discussion during poster walks**