



## ISMD2024 SCIENTIFIC PROGRAM (last corrections from April 10)

### THURSDAY, June 13, 2024

#### 09:20 – 09:30 Welcome Address

Harald H. Kessler, President, ISMD2024

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

#### 09:30 – 11:00 Molecular diagnostics in Europe - Regulations and Beyond

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

#### 09:30 – 10:15

##### **Critical implications of the IVDR for continuation of essential tests and for innovation in diagnostics**

Christa Cobbaert, Leiden University Medical Center, The Netherlands

#### 10:15 – 11:00

##### **Ready for IVDR – a process-oriented guide for laboratory-developed molecular assays**

Anita Stelzhammer, Hospital Wels-Grieskirchen, Wels Austria

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

#### 11:30 – 13:00 Quality Assurance - Quality Control

**Chairs:** Deshratn Asthana, Dieter Enko

#### 11:30 – 12:00

##### **External Quality Assessment for SARS-CoV-2 genome detection in Austria: Post-pandemic versus pandemic period results**

Christoph Buchta, Austrian Association for Quality Assurance and Standardization of Medical and Diagnostic Tests (ÖQUASTA), Vienna, Austria

#### 12:00 – 12:30

##### **15+ years of performance evaluation of molecular detection for enteroviruses by QCMD**

Oliver Donoso Mantke, QCMD, Glasgow, Scotland

#### 12:30 – 13:00

##### **Liquid biopsy in prenatal screening – quality issues**

Christoph Noppen, Viollier AG, Basel, Switzerland

#### 13:00 – 14:30 Lunch Break / Industrial Exhibition / Poster View



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13th International Symposium on Molecular Diagnostics  
**ISMD 2024**  
Graz, June 13-14, 2024 [www.ismd.at](http://www.ismd.at)

**14:30 – 16:00 Sexually Transmitted Infections, Epstein Barr Virus**

**Chairs:** Georg Mustafa, Benedicta Nkeh-Chungag

**14:30 – 15:00**

**Vascular, cardiometabolic and immunovirological changes in people living with HIV: Longitudinal data analysis from the EndoAfrica Study, South Africa**

Hans Strijdom, Stellenbosch University, Cape Town, South Africa

**15:00 – 15:20**

**STI Diagnostics at a glance – trends and solutions**

Carsten Tiemann, Labor Krone, Bad Salzuflen, Germany

**15:20 – 15:40**

**The bad genital ulcer, the good clinician and the powerful laboratory**

George-Sorin Tiplica, University of Medicine and Pharmacy, Bucharest, Romania

**15:40 – 16:00**

**Epstein Barr Virus, the key for malignancies and multiple sclerosis?**

Elisabeth Puchhammer, Medical University of Vienna, Austria

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

**16:30 – 18:00 Torque Teno Virus, Hepatitis D Virus, Noroviruses**

**Chairs:** Alexander R. Rosenkranz, Rudolf E. Stauber

**16:30 – 17:00**

**Torque teno virus (TTV) based immunologic monitoring**

Gregor Bond, Medical University of Vienna, Austria

**17:00 – 17:20**

**Novel anti-HDV therapies require reliable quantification of HDV RNA: A European multicenter study**

Annemarie Berger, JWG-University Frankfurt, Germany

**17:20 – 17:40**

**AltoStar® HDV RT-PCR Kit 1.5 – Verification, Validation and Evaluation**

Philip Rosenstock, altona Diagnostics GmbH, Hamburg, Germany

**17:40 – 18:00**

**Intraindividual evolution of noroviral sequences**

Dieter Hoffmann, TU Munich, Germany

**18:30 – 23:30 Dinner & After-Show Party**

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



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## FRIDAY, June 14, 2024

**08:30 – 10:00 Detection of Viruses & Bacteria**

**Chairs:** Karl Dichtl, Elisabeth Mustafa

**08:30 – 09:00**

**Evaluation of molecular solutions for the efficient diagnosis of microbial pathogens**

Eileen Brandenburger, R-Biopharm AG, Pfungstadt, Germany

**09:00 – 09:30**

**Analytical and clinical validation of a lab-developed PCR assay for high-throughput detection of carbapenemase genes for primary patient screening**

Marc Lütgehetmann, UKE Hamburg, Germany

**09:30 – 10:00**

**Universal high accuracy bacterial long amplicon 16S-ITS-23S nanopore sequencing at strain resolution for clinical decision-making**

Alfred Schoeller, Medgene microbiome, Vienna, Austria

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

**10:30 – 12:00 Rapid Molecular Diagnostics, Multiplexing**

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

**10:30 – 11:00**

**Exploring the value of high-plex respiratory point-of-care diagnostic testing**

Sophie Vandepitte, bioMerieux, Lyon, France

**11:00 – 11:30**

**Impact of rapid molecular diagnostic testing: experience in primary care and geriatric wards**

Pierre Le Roux, Cepheid, Maurens-Scopont, France

**11:30 – 12:00**

**Choosing your own adventure: streamlining diagnosis of respiratory infections with flexible molecular syndromic testing**

Daniel Jarem, Roche Molecular Diagnostics, Pleasanton (CA), USA

**12:00 – 13:30 Lunch Break / Industrial Exhibition / Poster View**



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**13:30 – 15:00 Molecular Aging**

**Chairs:** Markus Herrmann, Brigitte I. Santner

**13:30 – 14:00**

**Telomere shortening as marker of biological age – the impact of physical activity and obesity**

Markus Herrmann, Medical University of Graz, Austria

**14:00 – 14:30**

**Analytical aspects of telomere length analysis**

Wilfried Renner, Medical University of Graz, Austria

**14:30 – 15:00**

**Targeting epigenetic age to prevent skin cancer**

Manuel Rodriguez-Paredes, DKFZ Heidelberg, Germany

**15:00 – 15:30 Coffee Break / Industrial Exhibition / Poster View**

**15:30 – 17:00 Future Technologies**

**Chairs:** Oliver Hayden, Brian Salmons

**15:30 – 16:00**

**Magnetic sensing for multiple biomarker classes**

Oliver Hayden, TU Munich, Germany

**16:00 – 16:30**

**Novel applications of protective encapsulation for living cells: less is more**

Walter Gunzburg, Austrianova, Singapore

**16:30 – 17:00**

**Scale-Up of microfluidics chips for IVD applications in a changing regulatory landscape: practical examples**

Georg Bauer, STRATEC SE, Anif, Austria

**IMPORTANT NOTE FOR AUSTRIAN PARTICIPANTS /**

**WICHTIGE MITTEILUNG FÜR ÖSTERREICHISCHE TEILNEHMER/INNEN**

**Ab 17:00 Uhr Informationsveranstaltung zur Facharztprüfung aus Medizinischer und Chemischer Labordiagnostik für PrüfungskandidatInnen**



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