



ISMD2024 SCIENTIFIC PROGRAM

(updated June 02)

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

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 – 15:30

STI Diagnostics at a glance – trends and solutions

Carsten Tiemann, Labor Krone, Bad Salzuflen, Germany

15:30 – 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 – 20:00 Dinner



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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

Christoph Reschreiter, Cube Dx GmbH, 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

Alexander C. Haushofer



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