

2nd European CyTOF Congress

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MEDIZINISCHE
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Leids Universitair
Medisch Centrum



November 20–21

Van Swieten Saal – Medical University of Vienna,
Van-Swieten-Gasse 1a, 1090 Vienna, Austria

Join us for an opportunity to learn from your fellow experts and researchers about how high-content solutions in spatial and single-cell proteomics are driving groundbreaking research and discoveries. Be part of this exciting two-day event in the heart of Vienna and explore new ways in which high-plex proteomics – powered by CyTOF™ technology and the Hyperion™ XTi Imaging System – is unlocking new insights into health and disease.

We are delighted to host this amazing lineup of keynote speakers:

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| • André Rendeiro
CeMM, Austria | • Ermelinda Porpiglia
Aarhus University, Denmark | • Klaus Kratochwill
Medical University Vienna, Austria |
| • Bernd Bodenmiller
University of Zurich, Switzerland | • Evi Karali
The Institute of Cancer Research,
United Kingdom | • Nicole Strittmatter
Technical University of Munich,
Germany |
| • Bertram Bengsch
University of Freiburg, Germany | • Federica Marchesi
Humanitas Research Hospital, Italy | • Sara De Biasi
University of Modena, Italy |
| • Bjørn Gertsen
University of Bergen, Norway | • Noel de Miranda
LUMC, Netherlands | • Shimrit Mayer
Cancer Research UK Cambridge
Institute, United Kingdom |
| • Chotima Böttcher
Charité– Berlin University of
Medicine, Germany | • Jana Fischer
Navagnostics, Switzerland | • Xavier Rovira Clavé
Institute for Bioengineering of
Catalonia (IBEC), Spain |
| • Dominique Van Der Straeten
Ghent University, Belgium | • Jolanda Sarno
Tettamanti Foundation, Italy | |



Don't miss out on this remarkable
event – **register now!**

We look forward to welcoming you to the 2nd European CyTOF Congress!

If you have any questions, please contact us at education.team@standardbio.com.

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2nd European CyTOF Congress Save the Date Flyer

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2nd European CyTOF Congress

November 20, Day 1

9:30–10:30 **Registration and coffee/refreshments**

10:30–10:40 **Welcome**

Lena Müller, PhD | Medical University of Vienna
Marjolijn Hameetman, BSc | Leiden University Medical Center

Keynote

10:40–11:05 Leveraging Spatial Biology Insights Across Anatomical Scales

André Rendeiro, PhD | CeMM Research Center for Molecular Medicine

Decoding Single-Cell Signatures in Leukemia

11:05–11:30 An Introduction to CyTOF™ and Imaging Mass Cytometry™

Melissa Klug, PhD | Standard BioTools

11:30–11:55 Decoding Treatment Resistance in Leukemia Using Mass Cytometry

Jolanda Sarno, PhD | Tettamanti Research Center, University of Milano Bicocca

11:55–12:20 TBD

Bjørn Tore Gjertsen, MD, PhD | Haukeland University Hospital, University of Bergen

12:20–12:50 Young Scientist Flash Talk Session

Stefania Belli, PhD | Institute of Genetics and Biophysics Adriano Buzzati-Traverso, University of Naples Federico II
Jaime Muñoz Franco, PhD | University of Seville
Viktoria Humhal, PhD | St. Anna Children's Cancer Research Institute

12:50–13:50 **Lunch**

Unraveling the Tumor Microenvironment with Spatial Biology

13:50–14:15 Navigating Personalized Cancer Treatments with Spatial Single-Cell Proteomics

Jana Fischer, PhD | Navignostics AG

14:15–14:40 Cellular Archetypes and Survival Correlates in a Multi-Omic Atlas of Ovarian Cancer

Shimrit Mayer, PhD | University of Cambridge

14:40–15:05 Integration of Digital Pathology and Imaging Mass Cytometry to Immunophenotype the Tumor Microenvironment

Federica Marchesi, PhD | Tissue Oncoimmunology Lab, Department of Medical Biotechnology and Translational Medicine, University of Milan

15:05–15:30 Deciphering the Spatial Immune Architecture of Hepatobiliary Tumors for Predictive Patient Classifications

Bertram Bengsch, MD, PhD | University Medical Center Freiburg, CIBSS – Centre for Integrative Biological Signalling Studies, BIOS Centre for Biological Signalling Studies, University of Freiburg, German Cancer Consortium (DKTK)

15:30–16:00 **Coffee**

Advanced Multi-Omics: Integrating Mass Spec Imaging with Imaging Mass Cytometry

16:00–16:25 Mapping the Cancer Battlefield: Profiling Tumor Microenvironments and Cancer Immunotherapy Dynamics

Noel de Miranda, PhD | Department of Pathology, Leiden University Medical Center

16:25–16:50 Spatial Proteomics of the Tumor Microenvironment for Molecular Subtyping of Breast Cancer

Klaus Kratochwill, PhD | Medical University of Vienna

16:50–17:15 Multimodal Imaging Workflows to Study Drug Distribution, Metabolism and Resistance

Nicole Strittmatter, PhD | Department of Bioscience, TUM School of Natural Sciences, Technical University of Munich

November 20, Day 1, continued

17:15–17:25	Closing remarks	Michael Egholm, PhD Standard BioTools
17:25–18:30	Drinks reception and apero	
19:30–00:00	Social event and dinner at Klyo Wien	

November 21, Day 2

Keynote

09:00–09:25	Highly Multiplexed Imaging of <i>In Situ</i> Tumor Biology Towards Precision Medicine	Bernd Bodenmiller, PhD University of Zurich, ETH Zurich
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Alternative Applications with CyTOF: From Multiplexed Serology to Stem Cell Research

09:25–09:50	High-Throughput Isotope Barcoding on Cells and Particles	Xavier Rovira Clavé, PhD Institute for Bioengineering of Catalonia
09:50–10:15	TBD	Dominique Van Der Straeten, PhD Department of Biology, Ghent University
10:15–10:40	Through the Lens of CyTOF: Mapping Niche Dynamics at Single-Cell Resolution to Boost the Regenerative Potential of Aged Skeletal Muscle	Ermelinda Porpiglia, PhD Department of Biomedicine, Aarhus University
10:40–11:10	Young Scientist Flash Talk Session	Ann-Christine Severmann, PhD Tissue Homeostasis and Disease Lab, KU Leuven Atul Anand, PhD University of Southern Denmark (Odense), Winther Kristensen Lab Natalia Ćwilichowska-Puślecka, PhD Wrocław University of Science and Technology, Department of Chemical Biology and Bioimaging

11:10–11:40	Coffee	
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Navigating Immune Metabolism

11:40–12:05	Decoding B Cell Immunometabolism and Crosstalk with T Cells in NSCLC	Sara De Biasi, PhD University of Modena and Reggio Emilia
12:05–12:30	A Comprehensive Analysis of Inter- and Intra-Tumour Metabolic Heterogeneity in Breast Cancer Utilising a Multimodal Imaging Approach	Evi Karali, PhD Institute of Cancer Research
12:30–12:55	Proteo-Metabolomic Dissection of AhR-Mediated Inflammation in Multiple Sclerosis	Chotima Böttcher, PhD Charité – Berlin University of Medicine, Max Delbrück Center for Molecular Medicine
12:55	Closing remarks	Roberto Spada, PhD Standard BioTools
12:55–14:00	Lunch	
12:55–14:55	CyTOF Operator SRL Session (invitation only)	
14:30	Activity suggestion: visit to the Christmas Market	

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