

## ISOBM 2025 Conference Program

### Sunday, October 12 – Preregistration & Welcome Reception

16:00–17:00	Registration
17:00–19:00	Welcome Reception

### Monday, October 13 – Conference Day 1

08:00–09:00	Registration
09:00–09:30	Opening Ceremony
09:30–10:30	<b>Session 1 – Liquid Profiling by Protein Markers</b> <i>Chairs: S. Holdenrieder, M. Kowalewska</i> <b>A new era of biomarkers: translational strategies to impact cancer care</b> <i>Stefan Holdenrieder (GER)</i> <b>Recent advances in the use of biochemical tumor markers in cancer practice</b> <i>Qing Meng (USA)</i> <b>Integrated diagnostics in oncology: bridging tumor markers with molecular testing and imaging through clinical case studies</b> <i>Tomris Ozben (TUR)</i> <b>Multiplex protein imaging in tumour biology</b> <i>Bernd Bodenmiller (CHE)</i>
10:30–11:00	Coffee + Posters
11:00–12:00	<b>Session 2 – Liquid Profiling by Nucleic Acid Markers</b> <i>Chairs: L. Looijenga, E. Heitzer</i> <b>Liquid insights – ctDNA as a powerful tool for precision oncology</b> <i>Ellen Heitzer (AUT)</i> <b>Cell-free-DNA for multicancer early detection</b> <i>Aviad Zick (ISR)</i> <b>Ultra-sensitive ctDNA profiling in melanoma undergoing immune-checkpoint inhibition</b> <i>Christoffer Gebhardt (GER)</i> <b>Characterization of posttranslational histone modifications on circulating nucleosomes</b> <i>Axel Imhof (GER)</i>
12:00–13:00	Panel Discussion: <b>Early Cancer Detection</b>
13:00 –14:00	Lunch
14:00 –14:30	Keynote 1: <b>Commanding the Future: Will It Be Us or AI?</b> <i>Torsten Haferlach (GER), Chair: Leendert Looijenga</i>
14:30–15:30	<b>Session 3 – Hematological Cancers</b> <i>Chair: T. Haferlach</i> <b>Artificial Intelligence in pathology: transforming diagnosis and discovery</b> <i>Andreas Mock (GER)</i> <b>AI-empowered computational pathology tools for precision oncology</b> <i>Tingying Peng (CHN)</i> <b>Biomarkers in hematology diagnosis with therapy implications</b> <i>Gregor Hoermann (AUT)</i> <b>MRD in hematology: different guidelines and methods with one common goal</b> <i>Constance Baer (GER)</i>
15:30–16:00	Panel Discussion: <b>Artificial Intelligence in Medicine</b>
16:00–16:30	Coffee + Posters
16:30–17:00	Keynote 2: <b>Hope or Horror: AI and Ethics in Medicine</b> <i>Alena Buyx (GER), Chair: Vathany Kulasingam</i>

17:00–18:00	<b>Session 4 – Urological Cancers</b> <i>Chairs: R. Kucera, M. Garrido</i> <b>Prostate cancer risk definition in the screening setting: insights from the PROBASE trial</b> <i>Peter Albers (GER)</i> <b>Predictive and prognostic biomarkers in urological cancers</b> <i>Christopher Poremba (GER)</i> <b>Liquid biopsies for guiding treatment decisions in bladder cancer</b> <i>Iver Nordentoft (DAN)</i> <b>Molecular patterns in testicular cancer</b> <i>Leendert Looijenga (NED)</i>
18:00–19:00	<b>Session 5 – Biobanking and Study Networks (BBMRI-ERIC)</b> <i>Chairs: J. Habermann, M. Kiehntopf</i> <b>BBMRI-ERIC – an exciting resource for biomarker research</b> <i>Jens Habermann (AUT)</i> <b>canSERV – an EU funded project providing cutting edge cancer research services across Europe</b> <i>Manuela Pausan (AUT)</i> <b>Hospital-integrated Biobanking 2.0</b> <i>Michael Kiehntopf (GER)</i> <b>Biobank network in the Czech Republic</b> <i>Judita Kinkorova (CZR)</i>
19:00–19:30	ISOBM General Assembly
19:30–22:00	<b>Networking Evening</b> (with guided Poster Tour)

## Tuesday, October 14 – Conference Day 2

08:00–08:30	Registration
08:30–09:30	<b>Session 6 – Gynecological Cancers</b> <i>Chairs: V. Kulasingam, J. Osredkar</i> <b>The SURVIVE study</b> <b>– Re-evaluating standard surveillance in early breast cancer survivors using liquid biopsies</b> <i>Sabine Heublein (GER)</i> <b>Multiplex proteomics for tailored ovarian cancer monitoring</b> <i>Vathany Kulasingam (CAN)</i> <b>Prognostic role of CA-125 elimination rate constant (KELIM) in patients with advanced epithelial ovarian cancer</b> <i>Josko Osredkar (SLO)</i> <b>Understanding and treating endometrial cancer in the age of molecular markers</b> <i>Leon Meglic (SLO)</i> <b>Dysbiosis, immunity, and biomarkers: unraveling the molecular landscape of vulvar carcinoma</b> <i>Magdalena Kowalewska (POL)</i>
09:30–10:30	<b>Session 7 – Gastrointestinal Cancers</b> <i>Chairs: V. Heinemann, S. Böck</i> <b>Guiding targeted and immune therapies in gastrointestinal cancers</b> <i>Volker Heinemann (GER)</i> <b>Molecular surgery – a novel concept with clinical implications</b> <i>Martin Angele (GER)</i> <b>Optimization of postoperative treatment in colorectal cancer by plasma ctDNA</b> <i>Kåre Gotschalck (DEN)</i> <b>Circulating autoantibodies in pancreatic cancer: from tumor biology to clinical application</b> <i>Xu Qian (CHN)</i>

10:30–11:00	Coffee + Posters
11:00–12:00	<b>Session 8 – Epigenetic Biomarkers</b> <i>Chairs: R. Schneider, M. Sanchez-Carbayo</i> <b>Disrupted epigenetics: mechanisms of cancer disease</b> <i>Robert Schneider (GER)</i> <b>Novel insights from the DNA methylome atlas</b> <i>Natanel Loyfer (ISR)</i> <b>Birthdating of pediatric tumors</b> <i>Stefan Pfister (GER)</i> <b>Single-molecule, multi-modal, analysis of the epigenetics of plasma isolated nucleosomes</b> <i>Efrat Shema (ISR)</i>
12:00–13:00	Panel Discussion: <b>Minimal Residual Disease (MRD) Detection</b>
13:00 –14:00	Lunch
14:00 –14:30	<b>Keynote 3: Liquid Biopsy for Precision Medicine</b> <i>Klaus Pantel (GER), Chair: Stefan Holdenrieder</i>
14:30–15:30	<b>Session 9 – Therapy Response Monitoring</b> <i>Chairs: N. Normanno, M. Chechlinska</i> <b>ctDNA analysis for therapy monitoring and MRD detection</b> <i>Nicola Normanno (ITA)</i> <b>Molecular monitoring of therapy response in bladder cancer</b> <i>Marta Sanchez-Carbayo (ESP)</i> <b>Implementation of tumor marker-based algorithms in therapy monitoring</b> <i>Frederik van Delft (NED)</i> <b>Pharmacometric models to support individual dosing</b> <i>Oliver Scherf-Clavel (GER)</i>
15:30–16:00	Industry Speed Talks
16:00–16:30	Coffee + Posters
16:30–17:30	<b>Session 10 – Extracellular Vesicles (GSEV)</b> <i>Chairs: M. Pfaffl, K. Menck</i> <b>Analysis of plasma extracellular vesicles using flow cytometry for cancer diagnostics</b> <i>Kerstin Menck (GER)</i> <b>Detection and monitoring of cancer using activity-based biomarkers from plasma extracellular vesicles</b> <i>Jan van Deun (NED)</i> <b>Monitoring glioblastoma beyond MRI via serum extracellular vesicle profiling</b> <i>Katrin Reiners (GER)</i> <b>Identification of new druggable cancer targets by using extracellular vesicles</b> <i>Kathrin Gaertner (GER)</i>
17:30–18:00	<b>Session 11 – Lung Cancer</b> <i>Chairs: H. van Rossum, M. van den Heuvel</i> <b>A clinical lab perspective of lung cancer tumor markers</b> <i>Huib van Rossum (NED)</i> <b>How to use serial multiple serum tumor markers for monitoring non-small cell lung carcinoma</b> <i>Michel van den Heuvel (NED)</i> <b>Current and future role of liquid biopsy in lung cancer</b> <i>Niels Reinmuth (GER)</i> <b>Biomarkers for immunotherapy monitoring in lung cancer</b> <i>David Lang (AUT)</i>
18:30 - 19:00	Poster Speed Talks
19:30 - 22:00	<b>Bavarian Evening (optional)</b>

## Wednesday, October 15 – Conference Day 3

08:00–08:30	Registration
08:30–09:30	<b>Session 12 – Molecular Pathology</b> <i>Chairs: C. Poremba, S. Holdenrieder</i> <b>Immune signals in cancer</b> <i>Jürgen Ruland (GER)</i> <b>Molecular-based classification of cancers</b> <i>Jennelle Hodge (USA)</i> <b>ExLiquid: exploiting liquid biopsies to advance cancer precision medicine</b> <i>Christof Winter (GER)</i> <b>Fragmentomics and multimodal ctDNA diagnostics</b> <i>Tina Moser (AUT)</i>
09:30–10:30	<b>Session 13 – Moving Ahead - Precision Medicine 2.0</b> <i>Chairs: B. Westphalen, S. Lange</i> <b>Molecular prevention – where do we stand?</b> <i>Michael Quante (GER)</i> <b>Beyond genomics – novel biomarkers on the verge of clinical relevance</b> <i>Carolin Mogler (GER)</i> <b>AI biomarkers – transforming personalized healthcare?</b> <i>Kristian Unger (GER)</i> <b>Innovative endpoints for trials in precision medicine</b> <i>Maike Collienne (GER)</i>
10:30–11:00	Coffee + Posters
11:00–12:00	<b>Session 14 – Evidence-based Medicine (WHO IARC IC3R)</b> <i>Chairs: D. Lokuhetty, I. Indave</i> <b>WHO Classification of Tumours (WCT) &amp; International Collaboration for Cancer Classification and Research (IC3R)</b> <i>Dilani Lokuhetty (FRA)</i> <b>Mapping the Evidence for the WHO Classification of Tumours: a Living Evidence Gap Map</b> <i>Iciar Indave (FRA)</i> <b>Breaking down the evidence wall: Making research work for pathology</b> <i>Fiona Campbell (GBR)</i> <b>A new Hierarchy of Evidence for Tumours in Pathology (HETP)</b> <i>Magdalena Chechlinska (POL)</i> <b>Development of a decision tree for accurate coding of study types</b> <i>Elena Beriso (ESP)</i>
12:00–13:00	Panel Discussion: <b>Novel Clinical Study Concepts</b>
13:00–14:00	Lunch
14:00 –14:30	Keynote 4: <b>Effective Treatment Depends on Diagnosis: Why Cancer Classification Matters</b> <i>Ian Cree (GBR), Chair: Magdalena Chechlinska</i>
14:30–15:30	<b>Session 15 – Multimodal and Integrated Diagnostics</b> <i>Chairs: V. Haselmann, C. Winter</i> <b>Integrative liquid profiling for real-time cancer monitoring</b> <i>Verena Haselmann (GER)</i> <b>Integrative advanced imaging for real-time cancer monitoring</b> <i>Matthias Froelich (GER)</i> <b>Diagnosing with words – Large Language Models in medicine</b> <i>Daniel Truhn (GER)</i> <b>LLM-based tumor-agnostic diagnostics</b> <i>Jaqueline Lammert (GER)</i>
15:30–16:00	Industry Speed Talks
16:00–16:30	Coffee + Posters

16:30–17:30	<b>Session 16 – New Biomarkers and Applications (EGTM)</b> <i>Chairs: V. Barak, P. Oehr</i> <b>EGTM – past to future activities</b> <i>Vivian Barak (ISR)</i> <b>Circulating tumor DNA as a cancer biomarker: Will it replace standard cancer biomarkers?</b> <i>Michael Duffy (IRL)</i> <b>Non-invasive breath-based cancer screening: Bio-AI hybrid approach</b> <i>Reef Einoch Amor (ISR)</i> <b>Molecular mechanisms and novel therapies to overcome resistance in advanced ER+/HER2– breast cancer</b> <i>Andrea Nicolini (ITA)</i>
17:30–18:30	<b>Session 17 – Standardization and Harmonization (IFCC, GenomeMet)</b> <i>Chairs: H. van Rossum, Q. Meng</i> <b>The IFCC and ISOBM initiative of harmonization of tumor markers</b> <i>Huib van Rossum (NED)</i> <b>Standardization of tumor marker analysis</b> <i>Daan van de Kerkhof (NED)</i> <b>Optimizing biochemical tumor marker testing and interpretation: a CLSI guideline-based approach</b> <i>Qing Meng (USA)</i> <b>The GenomeMET project: approaches for standardization of liquid biopsy and genomic profiling methods</b> <i>Alison Devonshire (GBR)</i> <b>Ensuring accurate patient results for cancer patients - EQA for liquid biopsy testing</b> <i>Jenni Fairley (GBR)</i> <b>Results from a pilot EQA for liquid biopsy testing in Germany</b> <i>Marcel Kremser (GER)</i>
18:30–19:00	<b>Award Ceremony and Closing Session</b>

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Thursday, October 16 – Workshop Day (optional)

Please note that only one workshop per time slot can be selected after prior registration!

08:30–10:30	<b>WS 01 – ISOBM: Early Career ISOBM Network for Young Scientists</b> <i>Chairs: H. v. Rossum / M. Kowalewska</i>
	<b>WS 02 – BBMRI-ERIC: Biobanking in Clinical Practice: Quality, international Standards, and Readiness for Research</b> <i>Chair: A. Wutte</i>
	<b>WS 03 – Biostatistical Approaches for Biomarker Validation</b> <i>Chairs: F. Klawonn / P. Oehr</i>
10:30–11:00	Coffee
11:00–13:00	<b>WS 04 – ISOBM: Tips and Strategies to Get your Paper Published</b> <i>Chairs: M. Chechlinska / G. Ricci</i>
	<b>WS 05 – GSEV: Extracellular Vesicles: Analytics and Clinical Applications</b> <i>Chairs: M. Pfaffl / K. Menck</i>
	<b>WS 06 – AI-Based Tools for Literature Research and Data Analysis</b> <i>Chairs: J. Adler / I. Trulson</i>
13:00–14:00	Lunch
14:00–16:00	<b>WS 07 – ISOBM: Standardization and Harmonization of Tumor Markers</b> <i>Chairs: H. van Rossum / M. Moore</i>
	<b>WS 08 – WHO IARC: Training in Evidence-based Pathology I</b> <i>Chair: I. Indave</i>
	<b>WS 09 – Methods for ctDNA Analysis in Clinical Practice</b> <i>Chairs: V. Haselmann / A. Bronkhorst</i>
16:00–16:30	Coffee
16:30–18:30	<b>WS 10 – ISOBM: Meet the Experts</b> <i>Chairs: ISOBM Board</i>
	<b>WS 11 – WHO IARC Training in Evidence-based Pathology II</b> <i>Chair: I. Indave</i>
	<b>WS 12 – The Pipeline Challenge - NGS Evaluation Tools</b> <i>Chairs: C. Uhlig, K. Worf</i>
18:30–19:00	Farewell