EACR-OECI Molecular Pathology Approach to Cancer Programme

Bergamo, Italy
28 - 30 March 2023

Scientific Programme

Tuesday 28th March 2023

Listed times are in Central European Summer Time (CEST)

11:30 REGISTRATION & WELCOME LUNCH
Registration will open at 11:30am.
The welcome lunch will be available from 12:00pm.

13:00 CONFERENCE WELCOME

SESSION 1: PERSPECTIVES OF ARTIFICIAL INTELLIGENCE IN PATHOLOGY
Chair: Eli Pikarsky

13:10 **Tuvik Beker**
Pangea Biomed, Israel
"ENLIGHT: Predicting response to cancer therapy based on gene expression patterns from RNAseq or H&E slides"

Q&A: 13:30-13:40

13:40 **Mara Graziani (Virtual Presentation)**
IBM Research, Switzerland
"The human-AI horizon in microscopy imaging"

Q&A: 14:00-14:10

14:10 **Zak Kinsella**
Royal College Of Surgeons, Ireland
Proffered Paper 1: "Investigating the landscape of early-stage estrogen receptor-positive breast cancer using digital image analysis"

Q&A: 14:20-14:25

14:25 EXHIBITOR INTRODUCTIONS

14:35 COFFEE BREAK & EXHIBITION

15:05 **Sebastian Foersch**
University Medical Center Mainz, Germany
"From tissue morphology to genomic alterations – AI in precision tumor pathology"

Q&A: 15:25-15:35

15:35 **Raza Ali**
Cancer Research UK Cambridge Institute, UK
"Highly multiplexed imaging for personalised breast immuno-oncology"

Q&A: 15:55-16:05

16:05 POSTER SPOTLIGHTS
3 top abstracts presented as 3-minute flash talks

16:15 INDUSTRY SYMPOSIUM - SEQONE GENOMICS

Marie-Pierre Wissler & Michael Blum

Cypath & SeqOne Genomics

"NGS for precision medicine: interpretation of tumor variants and HRD biomarker"

16:45 MEET THE EXPERTS

Marjolijn Ligtenberg & Raza Ali

Prof. Dr. Ligtenberg & Dr Ali will host an informal session where they will both share their own personal and professional experiences of their paths to scientific leadership.

17:15 WELCOME RECEPTION

Drinks reception with buffet served from 17:30

18:15 POSTER DISCUSSION 1

Wednesday 29th March 2023

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08:15 MORNING COFFEE & POSTER VIEWING

08:45 INDUSTRY SPOTLIGHT - LUNAPHORE TECHNOLOGIES

Cansaran Saygili Demir

University of Bern, Switzerland

"Mapping the tumor budding and its microenvironment in colorectal cancer using hyperplex sequential immunofluorescence"

SESSION 2 - SPATIAL AND LONGITUDINAL DIAGNOSTICS TO OVERCOME TUMOR HETEROGENEITY

Chair: Sabine Merkelbach-Bruse

09:00 **Lukas Bubendorf**

University Hospital Basel, Switzerland

"Impact of tumor heterogeneity and evolution in NSCLC"

Q&A: 09:20-09:30

09:30 **Anita Sveen**

Oslo University Hospital, Norway

Proffered Paper 2: "Multiregional molecular profiling of colorectal cancers defines prognostic features less vulnerable to tumor heterogeneity"

Q&A: 09:40-09:45

09:45 **Ellen Heitzer**

Medical University of Graz, Austria

"Molecular profiling of solid tumors by ctDNA"

Q&A: 10:05-10:15

10:15 **Ilse Rooman**

Vrije Universiteit Brussel, Belgium

Proffered Paper 3: "High resolution in situ analysis reveals phenotypic and functional diversification within single pancreatic tumour ducts"

Q&A: 10:25-10:30

10:30 COFFEE BREAK & EXHIBITION

11:00 **Leeat Keren**

Weizmann Institute of Science, Israel
"Unraveling the tumor microenvironment using multiplexed imaging"

Q&A: 11:20-11:30

11:30 **Marit Otterlei Fjørtoft**
Institute for Cancer Research, Norway
Proffered Paper 4: "Single cell analysis of paired lymph nodes and primary tumors in breast cancer patients"

Q&A: 11:40-11:45

11:45 POSTER SPOTLIGHTS
3 top abstracts presented as 3-minute flash talks

11:55 INDUSTRY SYMPOSIUM: BIO-RAD LABORATORIES
Sergio Marchini
Milan IRCCS Humanitas Research Hospital, Italy
"Analysis of ctDNA to intercept the whispering voice of High Grade Serous Ovarian Cancer"

12:25 LUNCH

13:25 POSTER DISCUSSION SESSION 2

SESSION 3 - NEXT GENERATION MOLECULAR PATHOLOGY
Chair: Giorgio Stanta

14:55 **Giorgio Stanta**
OECI, Italy
"European Master in Molecular Pathology as Instrument of Molecular Pathology Normalization at European Level"

Q&A: 15:15-15:25

15:25 **Hege Russnes**
Oslo University Hospital, Norway
"Comprehensive molecular profiling of Norwegian patients with advanced cancer - the impact on diagnosis and treatment opportunities."

Q&A: 15:45-15:55

15:55 **Marjolijn Ligtenberg**
Radboud University Medical Center, Netherlands
"Molecular profiles of malignancies from patients with Lynch syndrome or hereditary breast and ovarian cancer"

Q&A: 16:15-16:25

16:25 COFFEE BREAK & EXHIBITION

16:55 **Kushtrim Kryeziu**
Institute for Cancer Research, OUH, Norway
Proffered Paper 5: "Immunohistopathology of organoids derived from multifocal colorectal cancer liver metastases"

Q&A: 17:05-17:10

17:10 **Olli Carpen**
University of Helsinki, Finland
"Identifying critical outcome-regulating elements in ovarian cancer by tissue image analysis combined with spatial transcriptomics"

Q&A: 17:30-17:40

17:40 PANEL DISCUSSION

Chaired by Eli Pikarsky and Ragnhild Lothe

Unlocking the Potential of Molecular Pathology: Opportunities and Challenges Ahead

19:30 CONFERENCE DINNER

Optional ticketed dinner to be held at 'Taverna Valtellinese'

Thursday 30th March 2023

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08:15 MORNING COFFEE & POSTER VIEWING

08:45 INDUSTRY SPOTLIGHT - TISSUEGNOSTICS

Felicitas Mungenast, PhD

"Applications of Tissue Cytometry – Immunophenotyping, Spatial Analysis and Tissue Classification"

SESSION 4 - COMPREHENSIVE CANCER PROFILING IN CLINICAL DIAGNOSTICS

Chair: Luigi Terracciano

09:00 **Sabine Merkelbach-Bruse**

University Hospital Cologne, Germany

"Homologous recombination deficiency – causes, effects and detection methods"

Q&A: 09:20-09:30

09:30 **Luigi Terracciano**

University Hospital Basel, Switzerland

"Precision medicine in liver cancer: reducing the gap between bench and bedside"

Q&A: 09:50-10:00

10:00 COFFEE BREAK & EXHIBITION

10:30 **Eli Pikarsky**

The Hebrew University of Jerusalem, Israel

"Establishing an In House Genomic Testing Facility – Opportunities and Hurdles"

Q&A: 10:50-11:00

11:00 **Remco van Cruchten**

Radboudumc, Netherlands

Proffered Paper 6: "Molecular tumor profiling using a custom WES-based method for FFPE-material"

Q&A: 11:10-11:15

11:15 CLOSING KEYNOTE LECTURE

Judith V.M.G. Bovee

Leiden University Medical Center, Netherlands

"Disentangling molecular mechanisms in sarcomas; making sense of a heterogeneous group of rare cancers"

Q&A: 11:45-12:00

12:00 SUMMARY & AWARDS

12:15 DEPART