Cancer Genomics, Multiomics and Computational Biology Programme

Essen, Germany

12 - 14 May 2026

Scientific Programme

Tuesday 12th May 2026

Listed times are in Central European Summer Time (CEST)

11:30 REGISTRATION & WELCOME LUNCH (LUNCH AT 12:00)

13:00 CONFERENCE WELCOME

SESSION 1

Chair: Carlos Caldas

13:10 EMBO YOUNG INVESTIGATOR OPENING KEYNOTE

Nick McGranahan

University College London, UK

'Somatic evolution and cancer plasticity'

Q&A: 13:40-13:55

13:55 **Fatemeh Ahmadimoghari**

Institute of Cancer Research, UK

Proffered Paper 1: 'Distinct Hypoxia and Rho Epigenetic Cell States Drive Therapy Resistance in Triple-Negative Breast Cancer'

Q&A: 14:05-14:10

14:10 **Itay Tirosh**

Weizmann Institute of Science, Israel

'Cell states and their spatial organization in head and neck cancer'

Q&A: 14:30-14:40

14:40 EXHIBITOR INTRODUCTIONS

14:50 COFFEE BREAK, EXHIBITION & SOLO TRAVELLER MEET-UP

15:20 **Marnix Koops**

Erasmus Medical Center, Netherlands

Proffered Paper 2: 'Spatial profiling identifies a distinct and topographically-defined tumor microenvironment that emerges during multiple myeloma evolution'

Q&A: 15:30-15:35

15:35 **Veronique Calleja**

HAWK Biosystems, Spain

Proffered Paper 3: 'Spatial Immune Checkpoint Biology Reveals Functional CTLA-4/CD80 and PD-1/PD-L1 Interactions Associated with Immunotherapy Response in NSCLC'

Q&A: 15:45-15:50

15:50 **Francesca Ciccarelli**

QMUL & The Francis Crick Institute, UK

'Understanding the functional consequences of cancer drivers from initiation to therapy response'

Q&A: 16:10-16:20

16:20 POSTER SPOTLIGHTS

Poster 01 - Marcelo Hurtado (France) 'Estimating tumour microenvironment cellular states from bulk RNA-seq reveals biomarkers of clinical outcome in Non Small Cell Lung Cancer (NSCLC) across disease stages'

Poster 25 - Chenqin Le (Germany) 'Medium-Throughput Bioprinted Spatially Recapitulated Triple-Droplet Organoids Reveal Stroma-Barrier-Driven Therapeutic Resistance'

Poster 50 - Mariangela Morelli (Italy) 'Transcriptomics-Guided Drug Repositioning Uncovers Therapeutic Vulnerabilities in Osteosarcoma'

16:30 NETWORKING QUIZ

17:00 WELCOME RECEPTION

18:00 POSTER DISCUSSION SESSION 1
Led by members of the Scientific Programme Committee

Wednesday 13th May 2026

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08:15 EARLY POSTER VIEWING
Chair: Elaine Mardis

08:45 INDUSTRY SPOTLIGHT - BIOMOL
Felipe Oliveira
Sales Area Manager, Navinci
'The Next Generation of Spatial Interactomics'

SESSION 2

09:00 SOCIETY FOR FUNCTIONAL PRECISION MEDICINE SPEAKER
Jesse Boehm
Massachusetts Institute of Technology, USA
'Accelerating prediction of tumor vulnerabilities using precision functional genomics'

Q&A: 09:20-09:30

09:30 **Luuk Harbers**
VIB-KU Leuven, Belgium
Proffered Paper 4: 'Long-read single-cell genome, transcriptome and open chromatin profiling links genotype to phenotypes in B-cell acute lymphoblastic leukaemia'

Q&A: 09:40-09:45

09:45 **Mor Nitzan (Pre-recorded presentation)**
The Hebrew University of Jerusalem, Israel
'Decoding layers of spatial and temporal organization in multicellular systems'

Q&A: 10:05-10:15

10:15 **Jessica Zucman Rossi**
University Paris Descartes, France

'Germline-somatic alterations interplay in liver tumors'

Q&A: 10:35-10:45

10:45 COFFEE BREAK & EXHIBITION

11:15 **Yardena Samuels (Pre-recorded presentation)**
Weizmann Institute of Science, Israel
'Challenges and solutions in effectively targeting neoantigens'

Q&A: 11:35-11:45

11:45 **Hou Wang Lam**
University College London, UK
Proffered Paper 5: 'Spatiotemporal Mapping of Proton Beam Radioresistance in Colorectal Cancer Liver Metastasis'

Q&A: 11:55-12:00

12:00 POSTER SPOTLIGHTS

Poster 80 - Yi Yin (UK) 'Large-scale single-cell spatial transcriptomics reveals immune evasion in hepatocellular carcinoma'

Poster 100 - Laurent Guyon (France) 'Peritumoral tissue transcriptomics reveals reproducible prognostic subtypes in clear cell renal cell carcinoma'

12:10 INDUSTRY SPOTLIGHT - CELL SIGNALING TECHNOLOGY
Yannick Nossin
Senior Field Application Scientist, Cell Signaling Technology
'InTraSeq™ Single Cell Analysis: Seq What You've Been Missing'

12:25 INDUSTRY SPOTLIGHT - TAKARA BIO EUROPE
Matthieu Pesant
Senior Market Strategy Manager Translational Genomics, Takara Bio Europe
'Enabling true single-cell spatial (multi)omics of the tumor microenvironment with a new class of spatial technology'

12:40 LUNCH

13:30 POSTER DISCUSSION SESSION 2
Led by members of the Scientific Programme Committee

SESSION 3
Chair: Nick McGranahan

15:00 **Nuria Lopez-Bigas**
Institute for Research in Biomedicine, Spain
'Cancer driver mutations in normal tissues and their relation to cancer '

Q&A: 15:20-15:30

15:30 **Erik Schüftan**
UKM, Germany
Proffered Paper 6: 'Beyond Cell States: Spatial Organisational Complexity as a Predictor of Patient Outcome Across Primary Brain Tumours'

Q&A: 15:40-15:45

15:45 **Haia Khoury**
Tel-Aviv University, Israel
Proffered Paper 7: 'Pan-cancer analysis reveals genomic fidelity and evolution of patient-derived organoids'

Q&A: 15:55-16:00

16:00 **Elaine Mardis**
Institute for Genomic Medicine, USA
'PEDIA-BRAIN: An emerging research resource of tissue-specific human brain development'

Q&A: 16:20-16:30

16:30 COFFEE BREAK & EXHIBITION

17:00 **Jamie Blundell**
University of Cambridge, UK
'In vivo lineage tracing using methylation barcodes in the PCDH gene cluster'

Q&A: 17:20-17:30

17:30 **Andrea Sottoriva**
Human Technopole, Italy
'Single cell multi-omics quantifies epigenetic evolution and plasticity of colorectal cancer and its microenvironment'

Q&A: 17:50-18:00

18:00 MEET THE SCIENTIFIC PROGRAMME COMMITTEE
The committee members will reflect on the conference so far before each providing insight into their personal and professional experiences of their routes into scientific leadership.
Scheduled to end at 18:45

20:00 CONFERENCE DINNER (OPTIONAL TICKETED EVENT)
The Conference Dinner will take place at the nearby Kiepenkerl Restaurant.
Optional ticketed event.

Thursday 14th May 2026

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08:15 EARLY POSTER VIEWING

SESSION 4
Chair: Nuria Lopez-Bigas

09:00 **Raza Ali**
CRUK Cambridge Institute, UK
'Spatial predictors of response to neoadjuvant IO therapy'

Q&A: 09:20-09:30

09:30 **Ewa Szczurek**
Helmholtz Munich, Germany
'Who Lives Next to Whom? AI Reveals Spatial Neighborhoods in Cancer'

Q&A: 09:50-10:00

10:00 **Archana Verma**
UKM, Germany
Proffered Paper 8: 'Transcriptional Divergence and Tumor Cell Lineage States in Pediatric Low-Grade Glioma Revealed by Single-Cell Transcriptomics'

Q&A: 10:10-10:15

10:15 COFFEE BREAK & EXHIBITION

10:45 **Eduard Porta**
Josep Carreras Leukaemia Research Institute, Spain
'From Spatial Maps to Clinical Decisions: Building the Next Diagnostic Layer'

Q&A: 11:05-11:15

11:15 EMBO CLOSING KEYNOTE LECTURE
Carlos Caldas
Hebrew University of Jerusalem, Israel, and University of Cambridge, UK
'Breast cancers at bulk, single cell and spatial levels'

Q&A: 11:45-12:00

12:00 SUMMARY & CLOSE

12:10 DEPART