

EACR

European Association  
for Cancer Research

CONFERENCES

[www.eacr.org](http://www.eacr.org)

# The Tumour Ecosystem: From Mechanisms to Novel Therapeutics

17-19 March 2026 | Bergamo, Italy

## Scientific Programme Committee

Neta Erez  
Leila Akkari

Johanna Joyce  
Erik Sahai

Scan the QR code to access online conference  
resources, including poster abstracts



# EACR onsite team



**Hannah Barrs**  
Conference Officer



**Rachel Warden**  
Communications and  
Marketing Manager



**Claire Sanders**  
Corporate Engagement  
Manager

## Conference dinner

### **Optional ticketed event: Wednesday 18 March, 19:30 (sold out)**

The conference dinner will take place on the second night of the meeting at the atmospheric Ristorante Taverna Valtellinese, a short walk from the conference venue. It will be an excellent opportunity for participants and speakers to get to know each other in a relaxed and informal environment.

#### **Venue**

Taverna Valtellinese  
Via G. Tiraboschi 57  
24122 Bergamo

[www.tavernavaltellinese.it](http://www.tavernavaltellinese.it)

#### **Directions from the conference venue**

It takes less than 10 minutes to walk from the conference venue to the dinner venue. Head north-west on Viale Papa Giovanni XXIII and turn left onto Largo Porta Nuova, which becomes Via G. Tiraboschi. The entrance to the Taverna is just down the side street called Passeggiata Zeduri.



EACR Conference

# CANCER GENOMICS, MULTIOMICS & COMPUTATIONAL BIOLOGY

12 - 14 May 2026, Essen

[eacr.org/conferences](https://eacr.org/conferences)



## 16 top speakers including:

Yardena Samuels  
Nuria Lopez-Bigas  
Nicholas McGranahan  
Jessica Zucman Rossi

Andrea Sottoriva  
Itay Tirosh  
Elaine Mardis  
Carlos Caldas

## A conference covering the full breadth of innovation transforming the field

- Cancer genomics and epigenomics
- Single cell-resolved tumour analysis
- Machine learning and artificial intelligence
- Spatial biology and molecular pathology
- Cell tracking to monitor evolution and plasticity
- Cancer evolution and immune evasion

## 15 top speakers including:

Mette Agerbæk      Ellen Heitzer  
Angela DeMichele      An Hendrix  
Maximilian Diehn      David Lyden  
Remond Fijneman      Nikolas Stoecklein

**Showcasing pioneering  
research and clinical  
applications that are  
transforming precision  
oncology**

- Liquid insights at the earliest stage
- Tracking the unseen
- Frontiers in liquid biopsy technology
- Unveiling the biology beneath the biomarkers

EACR Conference

# LIQUID BIOPSIES

22 - 24 September 2026, Lyon

[eacr.org/conferences](https://eacr.org/conferences)



## 16 top speakers including:

Arkaitz Carracedo  
Ilaria Elia  
Ayelet Erez  
Sarah M Fendt

Christian Frezza  
Marcia Haigis  
Luca Scorrano  
Alpaslan Tasdogan

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**It is essential to understand the role that metabolism plays in the different clinical scenarios**

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- Undocumented metabolic alterations in cancer
- Cancer - host metabolic communication
- Metabolite-based regulation of cellular responses

EACR Conference

# CANCER METABOLISM

06 - 08 October 2026, Bilbao

[eacr.org/conferences](https://eacr.org/conferences)



## EACR Conference CHROMOSOMES IN CRISIS:

From Chromosomal  
Instability to Catastrophes  
in Cancer Genomes

3 - 5 November 2026, Berlin

[eacr.org/conferences](https://eacr.org/conferences)



## 16 top speakers including:

Christina Curtis  
Daniele Fachinetti  
Jan Korbel  
Susanne Lens

John Maciejowski  
Sarah McClelland  
Serena Nik-Zainal  
Ofar Shoshani

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**Uncover how chromosomal chaos shapes cancer biology and opens new avenues for clinical intervention**

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- Genetics & genomics of chromosomal catastrophes
- Emerging technologies & model systems to measure and study chromosomal instability
- Therapeutic vulnerabilities & clinical opportunities
- Various chromosomal alterations, their formation and cellular consequences

# The Tumour Ecosystem

## From Mechanisms to Novel Therapeutics

Tag us   @helloeacr | Wi-Fi: CCGXXIII-CentroCongressi | Password: CentroCongressi

### Day 1 | Tuesday 17 March

From 11:30

REGISTRATION

Session 1  
posters can be  
put up

12:00-13:00

 WELCOME REFRESHMENTS

*A chance to meet fellow attendees and enjoy a light buffet*

13:00-13:10

CONFERENCE WELCOME

**Scientific Programme Committee**

SESSION 1 Chair: Leila Akkari

13:10-13:40

OPENING KEYNOTE LECTURE

Q&A: 13:40-13:55

**Ashani Weeraratna** Johns Hopkins, USA

'A Complex TIME: how the tumor immune microenvironment governs tumor progression'

13:55-14:15

**Erik Sahai** The Francis Crick Institute, UK

Q&A: 14:15-14:25

'Modeling Tumor-Stroma Boundaries'

14:25-14:35

**Sebastian Igelmann** KuLeuven-VIB, Belgium

Q&A: 14:35-14:40

Proffered Paper 1: 'Age-accumulated senescent cells fuel melanoma metastasis growth via NK cell inhibition'

14:40-14:50

EXHIBITOR INTRODUCTIONS

14:50-15:20

 COFFEE, EXHIBITION AND SOLO MEET-UP

*Solo travellers are invited to meet up at the EACR banner to connect with fellow adventurers*

15:20-15:40

**Daniela Quail** McGill University, Canada

Q&A: 15:40-15:50

'Exploiting myeloid-driven inflammation in cancer progression'

15:50-16:10

**Neta Erez** Tel Aviv University, Israel

Q&A: 16:10-16:20

'Stromal and Immune Plasticity Shape the Metastatic Microenvironment'

16:20-16:35

POSTER SPOTLIGHTS

*Posters 1, 2, 3 and 4 will be presented in 3-minute 'flash talks'*

16:35-17:05

## NETWORKING QUIZ

This fun, informal quiz offers the chance to make new connections with speakers and your fellow participants

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17:05-18:00

## WELCOME RECEPTION BUFFET AND DRINKS

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18:00-19:30

## POSTER DISCUSSION SESSION 1

*Presenters of posters 1-77 should stand by their boards*

## Day 2 | Wednesday 18 March

08:15-08:45

## EARLY POSTER VIEWING, COFFEE & BISCUITS

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08:45-09:00

## CELL SIGNALING TECHNOLOGY SPOTLIGHT

**Flora Guarnotta** Cell Signaling Technology

'Spatial Analysis of Tumor Microenvironments via SignalStar® Multiplex IHC'

SESSION 2 Chair: Erik Sahai

09:00-09:20

**Yardena Samuels** Weizmann Institute, Israel

Q&A: 09:20-09:30

'The various layers of intratumor heterogeneity and their impact on tumor immunity'

09:30-09:40

**Merav Cohen** Tel Aviv University, Israel

Q&A: 09:40-09:45

Proffered Paper 2: 'Single cell transcriptomics of efferocytosis identifies a pro-angiogenic tumor associate macrophage state in melanoma'

09:45-10:05

**Mikael Pittet** Agora, Switzerland

Q&A: 10:05-10:15

'Myeloid cells in cancer'

10:15-10:35

**Andrea Schietinger** MSKCC, USA

Q&A: 10:35-10:45

'Tumor-specific CD8 T cell differentiation and dysfunction'

10:45-11:15

## COFFEE BREAK & EXHIBITION

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11:15-11:35

**Mara Sherman** MSKCC, USA

Q&A: 11:35-11:45

'Mapping cellular hierarchies in the pancreatic tumor microenvironment'

11:45-11:55

**Laura Fantini** Tel Aviv University, Israel

Q&A: 11:55-12:00

Proffered Paper 3: 'Characterizing sex differences in the stromal and immune microenvironment of metastatic melanoma'

Take down  
session 1  
posters

Session 2  
posters can be  
put up

12:00-12:15	<b>POSTER SPOTLIGHTS</b> <i>Posters 78, 79 and 80 will be presented in 3-minute 'flash talks'</i>
12:15-13:15	 <b>LUNCH BREAK</b> <i>light refreshments will be served</i>
13:15-14:45	<b>POSTER DISCUSSION SESSION 2</b> <i>Presenters of posters 78-153 should stand by their boards</i>
14:45-15:05 Q&A: 15:05-15:15	<b>SESSION 3</b> Chair: Johanna Joyce  <b>THE EMBO YOUNG INVESTIGATOR LECTURE</b> <b>Leila Akkari</b> NKI, Netherlands 'Leveraging Myeloid Cell Diversity in Cancer- A Matter of Plasticity and Metabolism'
15:15-15:25 Q&A: 15:25-15:30	<b>Charles Earnshaw</b> CRUK Manchester Institute, UK Proffered Paper 4: 'Glucocorticoids inhibit the GARP/TGF-axis triggering immune-dependent melanoma control'
15:30-15:40 Q&A: 15:40-15:45	<b>Nicolae Ciobu Zubenco</b> Columbia University, USA Proffered Paper 5: 'Lipid desaturation as a metabolic checkpoint for T cell immunity suppression in liver cancer'
15:45-16:05 Q&A: 16:05-16:15	<b>Anna Obenauf</b> IMP, Austria 'Unlocking immunity: Decoding and reprogramming the immune-evasive tumor microenvironment'
16:15-16:45	 <b>COFFEE BREAK &amp; EXHIBITION</b>
16:45-17:05 Q&A: 17:05-17:15	<b>Ilaria Malanchi</b> The Francis Crick Institute, UK 'Shaped by Cancer: Neutrophil Systemic Rewiring and Metastatic Support'
17:15-17:35 Q&A: 17:35-17:45	<b>Jacco van Rheenen</b> NKI, Netherlands 'Timing Matters: How Hormonal Rhythms Govern Mutation Clearance, Cancer Initiation, and Treatment Response'
17:45-18:45	<b>PANEL DISCUSSION - MEET THE EXPERT</b> Ashani Weeraratna (Johns Hopkins, USA), Daniela Quail (McGill University, Canada), Direna Alonso-Curbelo (IRB Barcelona, Spain), Jacco van Rheenen (NKI, Netherlands)
19:30	 <b>OPTIONAL CONFERENCE DINNER</b> <i>A three-course meal held at the atmospheric Ristorante Taverna Valtellinese (optional ticketed event - sold out)</i>

## Day 3 | Thursday 19 March

08:15-08:45



EARLY POSTER VIEWING, COFFEE & BISCUITS

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08:45-09:00

MOLECULENT INDUSTRY SPOTLIGHT

**Jeroen Aerts** Moleculent

'Deciphering cell-cell interactions at scale'

SESSION 4 Chair: Neta Erez

09:00-09:20

THE EMBO KEYNOTE LECTURE

Q&A: 09:20-09:30

**Johanna Joyce** University of Lausanne, Switzerland

'Unraveling the Complexity of Cancer Ecosystems'

09:30-09:50

**Dinorah Friedmann-Morvinski** Tel Aviv University, Israel

Q&A: 09:50-10:00

'Overcoming the immunosuppressive Microenvironment to enhance CAR T cell therapy in brain tumors'

10:00-10:10

**Sarai Martinez Pacheco** CNIO, Spain

Q&A: 10:10-10:15

Proffered Paper 6: 'TET2-Dependent Immunosuppressive Programs Drive Ovarian Cancer Progression'

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10:15-10:45



COFFEE BREAK & EXHIBITION

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10:45-11:05

**Direna Alonso-Curbelo** IRB Barcelona, Spain

Q&A: 11:05-11:15

'When Tissues Decide: Epigenetic Plasticity at the Crossroads of Inflammation and Cancer'

11:15-11:45

CLOSING KEYNOTE LECTURE

Q&A: 11:45-12:00

**Frank Winkler** DKFZ, Germany

'Neural influences on brain tumors: from fundamental insights to new therapies'

12:00

SUMMARY, AWARDS AND DEPART

GET  
UPDATES:  
[eacr.org/congress](http://eacr.org/congress)

Annual Congress of the

# EACR 2026

08 - 11 June | Budapest

Innovative Cancer Science

European Association for Cancer Research

**OUTSTANDING  
SCIENCE IN A  
WELCOMING  
ENVIRONMENT**

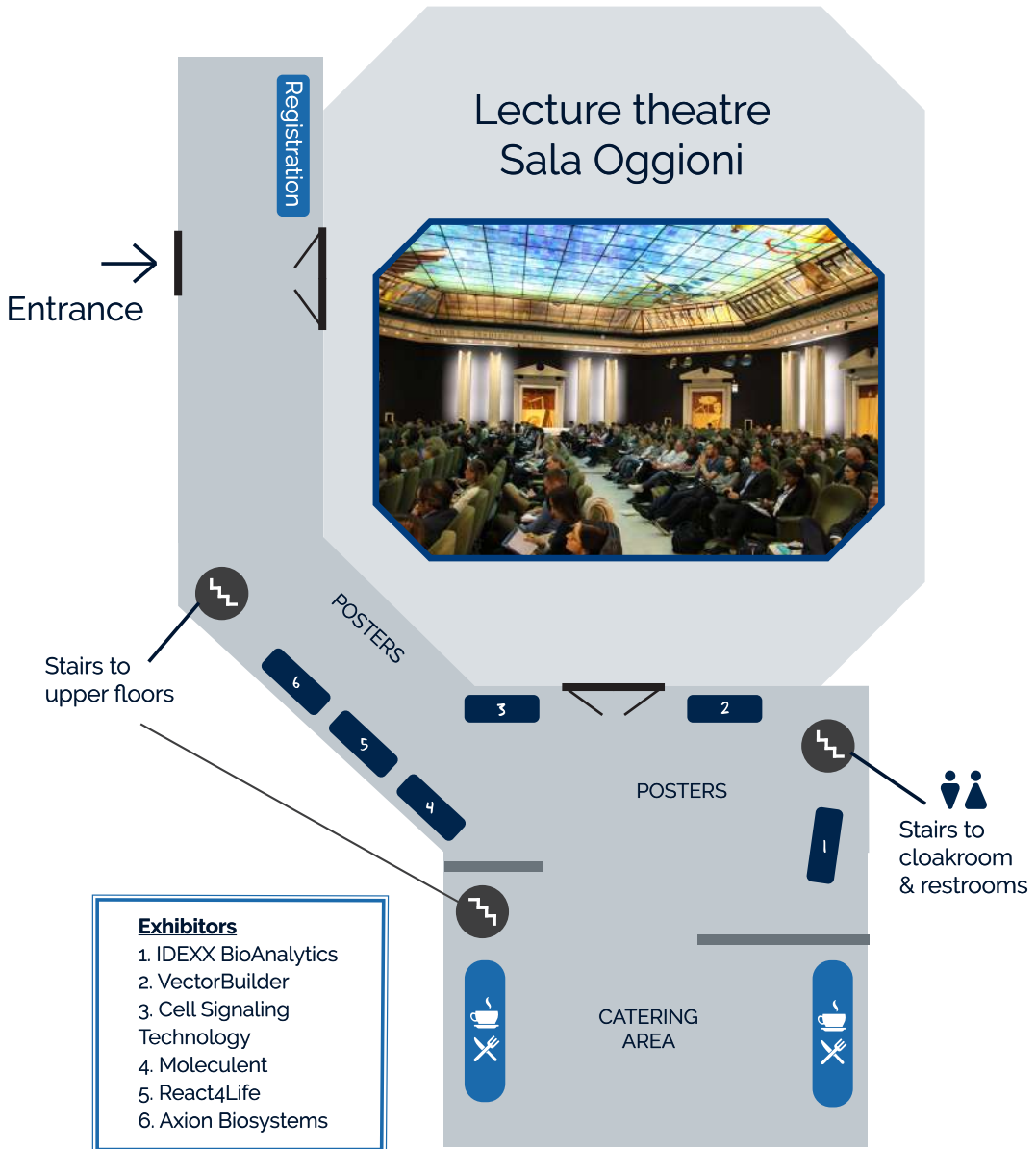
**GREAT NETWORKING  
OPPORTUNITIES  
WITH 2000+ CANCER  
RESEARCHERS**

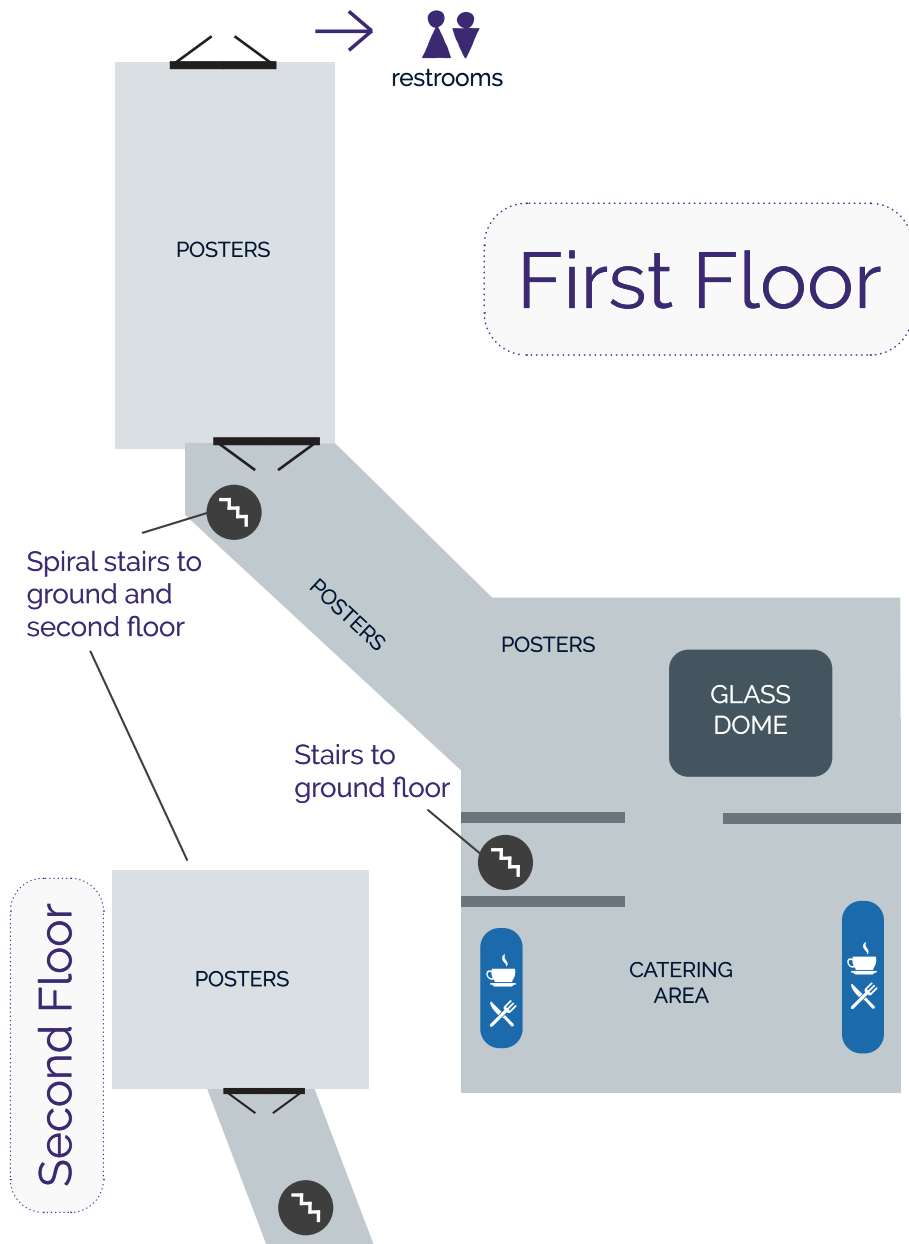
**98% OF  
PARTICIPANTS  
WOULD  
RECOMMEND**

## SESSION TOPICS INCLUDE:

- Advances in Clinical Trial Design
- Cancer and RNA modifications
- Cancer Immunology and Immunotherapy
- Cancer Initiation
- Cancer Prevention
- Cell Cycle Regulation
- Cell Death Mechanisms
- Functional Genomics
- Genomic Instability
- Immune Activation beyond T cells
- Mechanisms of Tumour Metastasis
- Novel Cancer Models
- Plasticity and Non-genetic
- Cancer Evolution
- Spatial Tumour Biology / Tumour Heterogeneity at the Single Cell Level
- Tumors are Ecosystems: New insights on the Tumor Microenvironment
- Tumour Innervation
- Tumour Macroenvironment (cachexia, metabolics)

# Venue floor plan





# Meet the exhibitors

## **IDEXX BioAnalytics** Stand: 1

**Website:** [idexxbioanalytics.eu](http://idexxbioanalytics.eu)

**Represented at the conference by:**  
Andy Scattergood, David Mayo

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**IDEXX BioAnalytics**

## **VectorBuilder** Stand: 2

**Website:** [www.vectorbuilder.com](http://www.vectorbuilder.com)

**Represented at the conference by:**  
Marta Valenti

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 **VectorBuilder**

## **Cell Signaling Technology** Stand: 3

**Website:** [www.cellsignal.com](http://www.cellsignal.com)

**Represented at the conference by:**  
Flora Guarnotta, Andrew Thompson,  
Romania Sangregorio

 **Cell Signaling**  
TECHNOLOGY®

**Spotlight:** Wednesday 18 March, 08:45-09:00

Flora Guarnotta: 'Spatial Analysis of Tumor Microenvironments via SignalStar® Multiplex IHC'

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## **Moleculent** Stand: 4

**Website:** [www.moleculent.com](http://www.moleculent.com)

**Represented at the conference by:**  
Jeroen Aerts, Thomas Janunger

**Moleculent**

**Spotlight:** Thursday 19 March, 08:45-09:00

Jeroen Aerts PhD: 'Deciphering cell-cell interactions at scale'

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## **React4Life** Stand: 5

**Website:** [www.react4life.com](http://www.react4life.com)

**Represented at the conference by:**  
Silvia Scaglione, Maurizio Aiello

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**REACT4LIFE**  
mirroring human complexity

## **Axion Biosystems** Stand: 6

**Website:** [www.axionbiosystems.com](http://www.axionbiosystems.com)

**Represented at the conference by:**  
Frederick Thienpont

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 **AXION**  
BIOSYSTEMS  
explore life's circuitry

# Travel grants

More information about EACR grants: [eacr.org/travel-grant](http://eacr.org/travel-grant)

**EACR-Worldwide Cancer Research Travel Grants** provide funds to help early-career EACR members and members based in low- or middle-income economy countries to participate in our conferences.

Congratulations to the recipients of the Travel Grants for this conference. Each recipient received a full registration free of charge and funds to assist with travel and accommodation costs.

- **NICOLAE CIOBU ZUBENCO** USA
- **MANUEL MASTEL** GERMANY
- **SEBASTIAN IGELMANN** BELGIUM
- **DHANASHREE MUNDHE** ISRAEL
- **LEA MONTERAN** ISRAEL
- **MARIA CLARA DA SILVA SOUZA** BRAZIL

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## Supporters

Our thanks to the following partners for supporting us in promoting this conference:

Molecular  
Oncology



Disease Models  
& Mechanisms

The FEBS  
Journal

We would also like to thank the following grant providers:



# Poster abstract index

View abstracts when logged in at [www.eacr.org/conference/tumourecosystem2026](http://www.eacr.org/conference/tumourecosystem2026)

## Poster Spotlight session 1: Tuesday, 16:20 | Also as posters on Tuesday

- 1 Reprogrammed EC subsets shape the nascent tumor niche Presented by Sandra Camargo, Josep carreras leukaemia research institute, Badalona, SPAIN
- 2 Depleting tumour-infiltrating Tregs enhances the efficacy of KRAS-mutant targeted therapies in lung cancer Presented by Andrea de Castro, Francis Crick Institute, London, UK
- 3 A novel approach to capture immune cell clusters from tumor biopsies reveals a targetable tumor-reactive T cell-inflammatory macrophage crosstalk Presented by Sofia Ibanez Molero, Amsterdam University Medical Center, NETHERLANDS
- 4 Tumor-draining lymph node stroma supports pre-metastatic niche formation by promoting immunosuppressive cellular networks Presented by Greta Mattavelli, University Hospital Würzburg, GERMANY

## Poster Spotlight session 2: Wednesday, 12:00 | Also as posters on Wednesday

- 78 Investigating CD8 T cell-intrinsic mechanisms underlying motility in the tumour microenvironment Presented by Zoe Ramsden, Francis Crick Institute, London, UK
- 79 The ageing microenvironment and its impact on metastatic dormancy and relapse in ER+ breast cancer Presented by Frances Turrell, University of Manchester, UK
- 80 Investigating how lung cancer alters behavior via regulating the internal sensory system Presented by Anastasia-Maria Zavitsanou, Columbia University, New York, and Howard Hughes Medical Institute, Maryland, USA

## Poster presentations session 1: Tuesday, 18:00-19:30

- 5 The Algal Antioxidant Carotenoid Diatoxanthin as a Modulator of Inflammation and Angiogenesis in TripleNegative Breast Cancer Cells Presented by Adriana Albini, IRCCS European Institute of Oncology, Milano, ITALY
- 6 Cancer Associated Fibroblasts in melanoma: cysteamine as a novel approach to target TG2-HSF1-Wnt axis Presented by Valentina Angelino, University of Rome Tor Vergata, ITALY
- 7 Dual Role of Lactate in Metabolic Reprogramming and Protein Lactylation of NK Cells Presented by Olga M. Anton, Universidad Complutense de Madrid, SPAIN
- 8 Tertiary lymphoid structures in cervical cancer are characterized by high densities of Tregs and myeloid-derived suppressor cells Presented by Cecilia Aquino-Perez, SOTIO Biotech, Prague, CZECH REPUBLIC
- 9 Tumor-CAF Crosstalk in the Microenvironment: Decoding Drug Resistance Mechanisms of KRAS inhibitors Presented by Sharath Chandra Arandkar, Tata Memorial Centre and Homi Bhabha National Institute, Maharashtra, INDIA
- 10 Distinct cancer-associated fibroblast niches define immune organization in cutaneous keratinocyte carcinomas Presented by Bertram Aschenbrenner, Medical University of Vienna, AUSTRIA
- 11 Strengths and limitations of a TGF--induced NIH/3T3 model for cancer-associated fibroblasts Presented by Chiara Baioni, University of Milano-Bicocca, ITALY
- 12 *Abstract withdrawn*

- 13 Dual-Targeting Strategy to Repurpose Cetuximab with HFn Nanoconjugates for Immunotherapy of Triple-Negative Breast Cancer Presented by Linda Barbieri, University of Milano-Bicocca, ITALY
- 14 Stable subtypes, dynamic targets: spatial phenotypes of muscle-invasive bladder cancer before and after chemotherapy Presented by Kevin Barth, University Hospital and Comprehensive Cancer Center Tübingen, GERMANY
- 15 Differential Effects of Substrate Composition on Breast Cancer Cell Growth Under Amino Acid Starvation Presented by Suzanne Bartholf DeWitt, CIC biomaGUNE, Donostia-San Sebastian, SPAIN
- 16 Therapy-Induced CAF Tracks as Drivers of Cancer Cell Dissemination Presented by Francesco Baschieri, Medical University of Innsbruck, AUSTRIA
- 17 Targeting Serotonergic Receptor Ligands in Mammary Adipocytes to impair their ability to sustain Breast Cancer phenotype Presented by Rita Bassolino, Institute of Endotypes in Oncology, Metabolism and Immunology "G.Salvatore", Naples, ITALY
- 18 Tumor-intrinsic subtypes of esophageal adenocarcinoma link cellular phenotypes with responses to therapy Presented by Dionne Blangé, Amsterdam UMC, NETHERLANDS
- 19 Comparative Performance of Genetic Testing Eligibility Criteria in Identifying Germline Mutation Carriers Among Cancer-Unaffected Individuals Presented by Justyna Borucka, Center of Cancer Prevention and Epidemiology, Poznan, POLAND
- 20 Characterization of the crosstalk between immune and Head and Neck cancer cells using the 3D collagen-base scaffold system to mimic the ECM Presented by Oneda Cani, Istituto Romagnolo per lo studio dei tumori, IRST "Dino Amadori", Meldola, ITALY
- 21 CXCL12 promotes CXCR4-mediated antitumor immune responses by modulating the tumor microenvironment in mesothelioma Presented by Francesca Caprioglio, Vita-Salute San Raffaele University and San Raffaele Hospital, Milan, ITALY
- 22 RAS-PI3K signaling in cancer-associated fibroblasts rewires extracellular matrix organization and drives tumor microenvironmental plasticity Presented by Esther Castellano, Centro de Investigación del Cáncer, Salamanca, SPAIN
- 23 Exploratory spatial transcriptomic analysis of the tumour microenvironment across consensus molecular subtypes of colorectal cancer Presented by Arancha Cebrián, Fundación Jiménez Díaz University Hospital, Madrid, SPAIN
- 24 Tumor-draining lymph node macrophage remodelling during tumor development and immune checkpoint blockade therapy Presented by Ana Cetkovic, University Hospital Würzburg, GERMANY
- 25 High-content imaging-based 3D tumoroid cytotoxicity detection system Presented by Barbara Pui Chan, The Chinese University of Hong Kong, HONG KONG
- 26 A 3D Microenvironment Tumor Model for Personalized Drug Response Profiling in Neuroblastoma Presented by Hoi Lam Cheung, The Chinese University of Hong Kong, HONG KONG
- 27 ZEB1 integrates stemness, differentiation blockade and immune suppression to orchestrate osteosarcoma aggressiveness Presented by Claudia Chiodoni, Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, ITALY
- 28 Tirbanibulin Induces Apoptosis through Modulation of EGFR/Src/STAT3 Signaling in Oral Squamous Cell Carcinoma Presented by Sung-Dae Cho, Seoul National University, SOUTH KOREA
- 29 Deciphering the mechanisms driving Tertiary Lymphoid Structure organization and functions in Non-Small Cell Lung Cancer Presented by Pierre-Alexis Da Costa, INSERM UMRS1138, Paris, FRANCE

- 30 Prion protein regulates cell state plasticity and tumor microenvironment interaction in glioblastoma Presented by Maria Clara da Silva Souza, University of Sao Paulo, BRAZIL, and University of California San Diego, USA
- 31 Decoding DLC1 Tumor Suppressor Loss-Neutrophil Crosstalk in the Metastatic Cascade of Triple Negative Breast Cancer Presented by Camille Dantzer, Institute of Cell Biology and Immunology, Stuttgart, GERMANY
- 32 *Abstract withdrawn*
- 33 Integrated Single-Cell omics uncovers tissue-resident and functionally distinct MAIT cells shaping immunity in resectable NSCLC Presented by Sara De Biasi, University of Modena and Reggio Emilia, Modena, ITALY
- 34 G-CSF-overexpression induces an inflammatory tumor microenvironment in mouse TNBC models with targetable upregulation of LCN2 and CHI3L1 Presented by Caro De Haes, Ghent University and Cancer Research Institute Ghent, BELGIUM
- 35 CRISPR Genome-Wide screening reveals chemosensor receptors as lipid-detecting regulators of macrophage functions in cancer Presented by Diletta Di Mitri, Humanitas University, Pieve Emanuele, and IRCCS Humanitas Clinical and research center, Rozzano, ITALY
- 36 Multivalent PD-L1-Binding Nanoparticles as a Platform for Tumor Immunotherapy Presented by Alvaro Diez-Serrano, Institut de Recerca Sant Pau, Barcelona, and CIBER de Bioingeniería, Biomateriales y Nanomedicina, Madrid, SPAIN
- 37 Development and characterization of a 3D MCF-7/HFF co-culture spheroid model for evaluating MDM2 inhibition against breast cancer Presented by Anna Dipinto, University of Ferrara, ITALY
- 38 Inhibition of HDAC6 and KRAS Uncovers a Novel Combination Strategy in LKB1-Mutant, KRAS driven Non-Small Cell Lung Cancer Presented by Catriona Dowling, Royal College of Surgeons in Ireland, Dublin , IRELAND
- 39 Stromal Priming of Tumor-Associated Macrophages: TSP1-Driven Polarization in Colorectal Cancer Presented by Kristina Draganić, Medical University of Vienna, AUSTRIA
- 40 Tumor-Fibroblast Crosstalk Drives Transcriptional Reprogramming in the Head and Neck Squamous Cell Carcinomas Presented by Tea Dragičević, Rudjer Boskovic Institute, Zagreb, CROATIA
- 41 Integrating whole-organ light-sheet and highly multiplexed microscopy to investigate adoptive T cell responses in metastatic breast cancer lesions Presented by Gina Dunkel, University of Tübingen, GERMANY
- 42 Prognostic and Therapeutic Insights from Epithelial-Mesenchymal Transition and Stemness Signatures in Breast Cancer Subtypes Presented by Vanessa Bertoni, FIOCRUZ-BA and Federal University of Bahia, Salvador, BRAZIL
- 43 Genomic and microenvironment factors determine lineage plasticity and tumor aggressiveness in rare mesenchymal cancers Presented by Elena Jachetti, Fondazione IRCCS Istituto Nazionale dei Tumori di Milano, ITALY
- 44 Immunomodulatory function of Hv1 proton channel in myeloid derived suppressor cells Presented by Erdei Dávid Károly, University of Debrecen, HUNGARY
- 45 Overcoming T cell exclusion in PDAC: Periostin as a therapeutic target? Presented by Cédric FABRE, CRCT UMR1037 and IPBS UMR5089, Toulouse, FRANCE
- 46 Spatially and functionally organised tumour microenvironment niches shape immune-hot and immune-cold phenotypes in lung cancer Presented by Anna Falanga, University of Salerno , ITALY
- 47 Local combination of TLR-3 agonist and radiotherapy stimulates the formation of tertiary lymphoid structures to efficiently control prostate cancer growth Presented by Irene Fischetti, Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, ITALY

- 48 PGC-1: a novel determinant of ovarian cancer progression Presented by Laura Formenti, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milano, ITALY
- 49 ECM-architecture shapes immune zonation and defines prognostic collagen patterns in intrahepatic cholangiocarcinoma Presented by Gemma Garcia-Vicién, IDIBAPS, Barcelona, SPAIN
- 50 Intrinsic inflammation in lung cancer progression: MyD88 as the key player Presented by Irati Garmendia, Biogipuzkoa HRI, Donostia/San Sebastian, and Basque Foundation for Science, Bilbao, SPAIN
- 51 Melanoma cells extrude dysfunctional mitochondria to the tumor microenvironment and circulation in association with tumor progression Presented by Nicolás Georges-Calderón, Universidad de los Andes, Santiago, CHILE
- 52 Multicellular Calcium Waves in Cancer-Associated Fibroblasts Regulate Neuronal Mimicry and Anisotropy Leading to Immune Exclusion Presented by Giovanni Giangreco, Francis Crick Institute, London, UK
- 53 The regulation of tumour cell cytolysis by cancer associated fibroblasts Presented by Tressan Grant, University of Bath and University of Bristol, UK
- 54 Integrating Hypoxia and Stromal Interactions in 3D Spheroids Exposes Synergistic Drug Resistance in Renal Cancer Presented by Jakub Gubala, University of Geneva, SWITZERLAND
- 55 Inhibition of the immune checkpoint molecule B7-H3 promotes radiation-associated abscopal response Presented by Dominik Gulyás, Mayo Clinic, Rochester, USA, and University of Veterinary Medicine, Budapest, HUNGARY
- 56 Exploring the colorectal cancer microenvironment with patient-derived organoids in advanced co-culture systems Presented by Szabolcs Hajdó, Semmelweis University, Budapest, HUNGARY
- 57 PHOENIX - Where Controlled Tumor Treatment Meets the Spotlight Presented by Verena Handl, Medical University of Graz, AUSTRIA
- 58 Ferritin Nanocages as Efficient Tumor-Targeting Platforms in Pancreatic Cancer Presented by Anna Hanzlikova, Mendel University in Brno, CZECH REPUBLIC
- 59 Impact of the tumour microenvironment on the response to radio- and immunotherapy of paediatric glioma cells Presented by Calypso Hazard, University of Lille and Centre Oscar Lambret, Lille, FRANCE
- 60 Cancer-associated fibroblasts condition the ovarian cancer microenvironment and therapeutic responses to antibody-drug conjugates and immunotherapy Presented by Maria Hincapié-Otero, University of Helsinki, FINLAND
- 61 Mechanisms for stroma-induced secondary chemoresistance in pancreatic adenocarcinoma Presented by Hippolyte Audureau, Centre de Recherches en Cancérologie de Toulouse, FRANCE
- 62 Targeting the N-glycan Code to Dismantle the Pancreatic Tumor Ecosystem and Inflammatory Crosstalk via ATP1B1 and ALK4 Presented by Chun-Mei Hu, Genomics Research Center, Taipei, TAIWAN ROC
- 63 Redirecting Glioblastoma Infiltration Using Mechanotactic Biomaterials Presented by Claudia Betsabé Huesa Carballo, University of Santiago de Compostela and Health Research Institute of Santiago de Compostela, SPAIN
- 64 Neuroimmune Pathways in Bladder Cancer: Linking Chronic Stress, Vagal Activity, and Inflammatory Signaling to Disease-Free Survival Presented by Luba Hunáková, Comenius University, Bratislava, SLOVAK REPUBLIC
- 65 Implementing Chicken Chorioallantoic Membrane (CAM) Assays to Study the Effect of Transgelin-2 in Prostate Cancer tumorigenesis Presented by Vendula Jemelikova, Mendel University in Brno, CZECH REPUBLIC

66 Preclinical Models of Pediatric High-Grade Glioma (pHGG) for Dissecting Tumor-Host Interactions and Evaluating Novel Therapeutic Strategies Presented by Sina Kabaha, Tel-Aviv University, ISRAEL

67 Circulating Small Extracellular Vesicles Reveal Tumor Ecosystem Remodeling in Retinoblastoma Presented by Jasbir Kaur, All India Institute of Medical Sciences, New Delhi, INDIA

68 Integrative Multi-Omics Framework Identifies TGFB1–CXCL12 Signaling as a Conserved Immunoregulatory Network in High-Grade B-cell Lymphoma and Reactive Lymphoid Tissues Presented by Keisuke Kidoguchi, Saga University, JAPAN

69 Characterization of the Immune Checkpoint Inhibitor LILRB4 Expression Pattern in Colorectal Cancer Presented by Dávid Kis, Semmelweis University, Budapest, HUNGARY

70 Development of a 3D biomimetic tumor matrix-based pancreatic tumoroid model for in vitro drug testing Presented by Lok Him Ko, The Chinese University of Hong Kong, Shatin, HONG KONG

71 Metabolic Remodeling of Tumor-Draining Lymph Nodes During Disease Progression in Triple-Negative Breast Cancer Presented by Maximilian J. Krämer, University Hospital Würzburg, GERMANY

72 MIZ1-dependent suppression of lysosome function mediates MYC-dependent immune evasion in pancreatic carcinoma Presented by Bastian Krenz, Julius Maximilians University Würzburg, and University Hospital Würzburg, GERMANY

73 Unraveling the immune-suppressive niche remodeling in gastric cancer peritoneal metastasis via high-resolution spatial transcriptomics Presented by Dageong Lee, Ajou University School of Medicine, Suwon, SOUTH KOREA

74 Chromatin compartmentalization of primary prostate cancer biopsies defines tumour ecosystem states with prognostic relevance Presented by Giovanni Lembo, IFOM-ETS, the AIRC Institute of Molecular Oncology, Milan, ITALY

75 Dissecting the immune-controlled intercellular crosstalk driving fetal liver and cancer-associated hematopoiesis Presented by Maia Levinson, Tel Aviv University, ISRAEL

76 Harnessing tumour infiltrating lymphocyte therapy with anti-PD1 blockage in EBV driven Nasopharyngeal Cancer Presented by Chwee Ming Lim, Singapore General Hospital and Duke-NUS Medical School, SINGAPORE

77 Purinergic Signaling Drives GABAergic-Like Reprogramming in Brain-Adaptive TNBC Presented by Tiago Lima, University of São Paulo, BRAZIL

120 Photothermal Therapy-Induced Stress Reprograms Macrophages to Drive Anti-Tumour Immunity Presented by Sulagna Rath, ACTREC-TMC, and Homi Bhabha National Institute, Mumbai, INDIA

## **Poster presentations session 2: Wednesday, 13:15-14:45**

81 *Abstract withdrawn*

82 Development of glucagon-like peptide-1 receptor agonist into a combination therapy for metastatic ER<sup>+</sup> breast cancers Presented by Jun Ling, California University of Science and Medicine, Colton, USA

83 Lung fibroblasts regulate disseminated tumor cells survival, dormancy and progression to metastasis through FGFR2 pathway Presented by Paula Linzoain-Agos, Universidad Complutense de Madrid and Sanitaria Hospital Clínico San Carlos, Madrid, SPAIN

84 Chemical Signatures of the Prostate Tumour Ecosystem Revealed by Ultra-High Resolution Mass Spectrometry Imaging Presented by Caroline Lööf, Chalmers University of Technology, Gothenburg, SWEDEN

- 85 Bioengineering a vascularised in vitro prostate tumour microenvironment with immune infiltrations as a therapeutic testing platform Presented by Brooke London, Queensland University of Technology, Brisbane, AUSTRALIA
- 86 Engineering tumour extracellular matrix niche in vitro using Multiphoton Microfabrication and Micropatterning (MMM) technology – Fibulin-5 as an example Presented by Hoi Ying Man, The Chinese University of Hong Kong, HONG KONG
- 87 Chemical Heterogeneity in Breast Tumor Ecosystems Revealed by ToF-SIMS Spectral Analysis Presented by Auraya Manaprasertsak, Lund University, SWEDEN
- 88 Estrogen Production in Pancreatic Cancer Shapes a Tumor-Suppressive Stromal Microenvironment Presented by Paul Manoukian, Amsterdam UMC and University of Amsterdam, NETHERLANDS
- 89 A focus on neutrophils during the progression of human colorectal cancer to uncover their therapeutic potential Presented by Baptiste Martinon, CRCL, Lyon, FRANCE
- 90 Characterizing the Role of the Extracellular Matrix (ECM) in Brain Metastasis Presented by Tzoran Mary, Tel Aviv University, ISRAEL
- 91 A Robust Framework for High-Confidence TME Identification in HGSOC: Filling the Gap in Reliable Single-Cell Annotation Presented by Laura Masatti, University of Padova, ITALY
- 92 A Complement-Regulated Cancer Cell State Drives Immune Evasion in the Colorectal Tumour Ecosystem Presented by Manuel Mastel, Heidelberg Institute for Stem Cell Technology and Experimental Medicine and DKFZ, Heidelberg, GERMANY
- 93 MLK4 orchestrates macrophage-induced triple-negative breast cancer invasion and ECM remodeling via enhanced paracrine signaling and NF- $\kappa$ B-MMP axis activation Presented by Alicja Mazan-Bury, IMol Polish Academy of Sciences, Warsaw, POLAND
- 94 Key inflammatory effectors of the TNBC secretome promote epithelial migration and malignant transformation Presented by Lucas Melguizo-Salom, Universitat de les Illes Balears, Palma, SPAIN
- 95 Immunomodulatory effects of X-ray irradiation on HPV+ vs HPV- head and neck squamous cell carcinoma cells Presented by Carine Michiels, University of Namur, BELGIUM
- 96 Targeting the tumour stroma in HNSCC via a PDGFR-directeded MMAE nanoconjugate Presented by Eva Miranda-Tovar, Institut de Recerca Sant Pau and Josep Carreras Leukemia Research Institute, Barcelona, SPAIN
- 97 Dissecting Direct and Indirect CD4 T Cell Mechanisms of Tumor Control in Melanoma Presented by Lea Monteran, Weizmann Institute of Science, Rehovot, ISRAEL
- 98 Obesity-driven paracrine signaling that promotes malignant transformation of the mammary epithelial ecosystem across non-cancerous and tumor-associated contexts is decreased with metformin Presented by Pere Miquel Morla-Barcelo, Universitat de les Illes Balears, Palma, SPAIN
- 99 Dual Targeting of Tumor Metabolism and Neuroinflammation Inhibits Brain Metastasis Presented by Dhanashree Mundhe, Weizmann Institute of Science, Rehovot, and Tel Aviv University, ISRAEL
- 100 Ecosystem Engineering: Reversing Immune Exclusion in MSS Colorectal Cancer with an Optimized Multi-TKI Cocktail Presented by Patyrcja Nowak-sliwinska, University of Geneva, SWITZERLAND
- 101 In vitro macrophage-dendritic cell crosstalk induced by the Macrophage-Drug Conjugate MDC-735 in glioblastoma model Presented by Julia Nowakowska, Warsaw University of Life Sciences, and Cellis, Warsaw, POLAND

- 102 Multi-omics analysis reveals an interplay between intratumoral *Streptococcus anginosus* and immune cells associated with poor prognosis in gastric cancer Presented by Han Na Oh, Ajou University School of Medicine, Suwon-si, Gyeonggi-do, SOUTH KOREA
- 103 COMP Reprograms TGF Signaling to Induce Epithelial-to-Mesenchymal Transition in Breast Cancer Presented by Konstantinos Papadakos, Lund University, Malmö, SWEDEN
- 104 HMGS1-mediated ketogenesis orchestrates pro-myeloma reprogramming of bone marrow mesenchymal stem cells Presented by Elina Orbuch, Meir Medical center, Kfar Saba, and Tel Aviv University, ISRAEL
- 105 Extracellular matrix composition and fibroblast crosstalk reshape MAPK inhibitor responses in colorectal cancer Presented by Adrián Orosz, Semmelweis University, Budapest, HUNGARY
- 106 miR-214-Driven Stromal-Tumor Crosstalk In Cancer Progression Presented by Francesca Orso, University of Piemonte Orientale, Novara, and University of Torino, ITALY
- 107 Nanotoxin-based PDGFR+ stromal cells depletion reduces tumor growth and promotes immunity in colorectal cancer Presented by Marc Otero-Mateo, Institut de Recerca Sant Pau, and Josep Carreras Leukaemia Research Institute, Barcelona, SPAIN
- 108 Mapping spatial features of the pancreatic cancer stroma in preclinical therapy models Presented by Jayathilake Pahala Gedara, Cancer Research UK Scotland Institute, Glasgow, UK
- 109 A nutrient-responsive cancer-on-chip platform for translational testing of fasting-based therapies Presented by Maurizio Aiello, React4life S.p.A., Genoa, ITALY
- 110 Single-nucleus RNA sequencing reveals therapy-specific tumor and microenvironmental cell states induced by BRAF and VEGFA co-targeting in melanoma Presented by Valentina Comunanza, University of Torino, ITALY
- 111 Targeting Tumour Metabolism in Breast Cancer Using LDH Inhibition and Paclitaxel-Loaded Iron Oxide-Lignin Nanoparticles Presented by Khushboo Pathania, UIPS, Panjab University, Chandigarh, INDIA, and University of Nottingham, UK
- 112 Profiling colon cancer architecture with spatial transcriptomics identifies clinically relevant stromal ecotypes Presented by Camilla Pilati, Sorbonne Université, Université Paris Cité, FRANCE
- 113 Direct horizontal transfer of proteins and vesicles as new mechanism of bone marrow stroma-driven metabolic plasticity and leukemia protection Presented by Katarzyna Piwocka, Nencki Institute, Warsaw, POLAND
- 114 The subcellular localization of redox disruption influences DNA damage and release of cytosolic DNA in pancreatic cancer Presented by Emily Poulton, University of Toronto and Princess Margaret Cancer Centre, Toronto, CANADA
- 115 ET1/ETAR/NOX signaling promotes invasion in gallbladder cancer cells Presented by Nelson Quilaqueo-Millaqueo, Universidad Austral de Chile, Valdivia, CHILE
- 116 Comparing hypoxia-induced metabolic remodeling and succinate dehydrogenase inhibition in cancer cells to evaluate pseudohypoxia Presented by Rosemund Ragetti, University of Toronto and Princess Margaret Cancer Centre, Toronto, CANADA
- 117 TBX2 as a therapeutic target for the treatment of HPV-negative cervical cancer Presented by Anjani Rama, University of Cape Town, SOUTH AFRICA
- 118 Hyperactivating the RB1 tumour suppressor gene for cervical cancer therapy Presented by Vindya Ranasinghe, Griffith University, Gold coast, Queensland, AUSTRALIA

- 119 Deciphering the Hypoxic Microenvironment in Glioblastoma-on-Chip: Effect on Therapy Efficacy and Immunomodulation Presented by Teodora Randelović, Universidad de Zaragoza, and CIBER-BBN, ISCIII, Zaragoza, SPAIN
- 121 Hypoxia and Associated Acidosis Drive Cell-Type Specific Myeloid Responses in Glioblastoma Microenvironment Presented by Kirsi Rautajoki, Tampere University Hospital, FINLAND
- 122 *Abstract withdrawn*
- 123 Oncofoetal Chondroitin Sulphate 2A (ofCSA) is an activation marker on TGFb-activated fibroblasts and constitutively activated CAFs and is a potential therapeutic target Presented by Lauren Rigby, Barts Cancer Institute, London, UK
- 124 Targeting CSF-1R and HMGB1 to Reshape the Tumor Microenvironment in Mesothelioma Presented by Angela Antonia Rilievo, Vita-Salute San Raffaele University, Milan, ITALY
- 125 Tumor-derived paracrine signals orchestrate functional CAF activation in CRC Presented by Noemi Russo, University of Turin, and FPO-IRCCS, Candiolo (TO), ITALY
- 126 Gene Expression Profile of Liver Damage Progression in Advanced Chronic Hepatitis C Presented by Driéle Bretones dos Santos, Sao Paulo State University, BRAZIL
- 127 ENPP1 Inhibition Prevents Blood-Brain Barrier Dysfunction and Immune Suppression During Brain Metastasis Initiation Presented by Liliana Santos, University of Coimbra, PORTUGAL
- 128 Genome-Wide DNA Methylation Profiling of Triple-Negative Breast Cancer Uncovers Epigenetic Biomarkers of Tumor Identity and the Immune Microenvironment Presented by Iñaki Sasiain, Lund University, SWEDEN
- 129 A human pharmacomicrobiomics model: a multi-organ microbiota-gut-cancer-on-chip reveals barrier-driven modulation of chemotherapy efficacy and toxicity Presented by Silvia Scaglione, React4life, and National Research Council of Italy, Genoa, ITALY
- 130 Complement signaling is a hallmark of inflammatory fibroblasts in chronic diseases and cancer Presented by Ye'ela Scharff, Tel Aviv University, ISRAEL
- 131 Mast cells shape tumor cell metabolism to restrain treatment-related neuroendocrine prostate cancer Presented by Giuseppina Beatrice Scialpi, Fondazione IRCCS Istituto Nazionale dei Tumori di Milano, ITALY
- 132 Intracellular Osteopontin Promotes the Release of TNF by Mast Cells to Restrain Neuroendocrine Prostate Cancer Presented by Roberta Sulseni, Fondazione IRCCS Istituto Nazionale dei Tumori di Milano, ITALY
- 133 Hypoxia-induced CAIX Engages P-Selectin to Drive Platelet-Cancer Cell Interactions Presented by Eliska Svastova, Slovak Academy of Sciences, Bratislava, SLOVAK REPUBLIC
- 134 Impact of hypoxia, TGF and salinomycin on X-ray response across homotypic and heterotypic uveal melanoma spheroids Presented by Piotr Swierzewski, Jagiellonian University, Kraków, POLAND
- 135 CRISPR screening to investigate stromal regulation in PDAC Presented by Francesca Tasca, Amsterdam UMC, NETHERLANDS
- 136 Investigating the role of senescent alveolar macrophages in non-small cell lung cancer development Presented by Tala Tayoun, Institut Curie, PSL Research University, INSERM U932, Paris, FRANCE
- 137 A Methodological Framework for Assessing Tumor-Associated Macrophages in Relation to Tertiary Lymphoid Structures Presented by Marcella Tazzari, IRCCS Istituto Romagnolo per lo Studio dei Tumori Dino Amadori, Meldola, ITALY

- 138 Localized Chemotherapy Improves Tumor Control While Minimizing Systemic Inflammatory and Metabolic Toxicity Presented by Vito Telebar-Zbulj, Medical University of Graz, and BioTechM-Graz, AUSTRIA
- 139 Investigating Bone Metastasis in Breast Cancer Using 3D Multicompartment In Vitro Models Presented by Anuja Upadhyay, University College London, UK
- 140 CTHRC1 is an ECM- associated biomarker associated to prostate cancer aggressiveness Presented by Lorea Valcarcel-Jimenez, University of the Basque Country, and IKERBASQUE-Basque Foundation for Science, Bizkaia, SPAIN
- 141 The peritoneal microenvironment selects for cell-intrinsic determinants of metastatic colonization Presented by Tim van der Plas, Amsterdam UMC, NETHERLANDS
- 142 Hypoxia hampers neutrophil myeloid derived suppressor cell activity Presented by Fleur van Oosterom, Sanquin, and Amsterdam University Medical Center, Amsterdam, NETHERLANDS
- 143 Microenvironmental contributions to therapy resistance and stemness in esophagogastric adenocarcinoma Presented by Deni van Schie, Amsterdam UMC, NETHERLANDS
- 144 Oncofetal chondroitin sulfate shapes the breast tumor microenvironment and enables stromal-targeted therapy in triple-negative breast cancer Presented by Elena Ethel Vidal-Calvo, University of Copenhagen, DENMARK
- 145 Modulating the Tumour Microenvironment via Iron Chelation: Mechanistic Insights and Therapeutic Potential in Colorectal Cancer Presented by Gihani Vidanapathirana, Griffith University, Queensland, AUSTRALIA, and University of Peradeniya, Kandy, SRI LANKA
- 146 High-resolution integrative analysis enables characterization and spatial annotation of normal and cancer-associated colon fibroblasts Presented by Emma Viitala, University of Helsinki, FINLAND
- 147 Pro-tumorigenic activity of CAFs driven by the transfer of mitochondrial proteins from CAFs to ovarian cancer cells and TME remodeling Presented by Karolina Wojtowicz, Poznan University of Medical Sciences, POLAND
- 148 Nucleolin association with cancer cell surfaces is regulated by RNAs Presented by Millie Wong, National University of Singapore, SINGAPORE
- 149 Dietary Heme Iron and Neu5Gc Induce Inflammatory Cytokine Secretion in Colorectal Cancer Cells: Potential Implications for Red Meat-Associated Tumour Microenvironment Modulation Presented by Jun Yu Woon, Griffith University, Southport, AUSTRALIA
- 150 Unveiling the Role of Oxygen in Meningioma Progression Presented by Irem Yucel, METU, Ankara, TURKEY
- 151 Targeting tumor-associated macrophages to improve immunotherapeutic outcome of muscle-invasive bladder cancer Presented by Giulio Zanette, University of Lausanne, and Ludwig Institute for Cancer Research, Lausanne, SWITZERLAND
- 152 Engineering a 3D Adipose Niche for Pancreatic Ductal Adenocarcinoma (PDAC) Tumoroid Co-culture Presented by Lijing Zhong, The Chinese University of Hong Kong, HONG KONG
- 153 Decoding Immune Ecosystems Transcriptomic Signatures of Inflamed, Excluded and Desert Melanoma Presented by Egle Zymantaite, National Cancer Institute, and Vilnius University, Vilnius, LITHUANIA



# Notes

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# Notes

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The European Association for Cancer Research gratefully acknowledges its Industry Partners, who offer ongoing support to the EACR and provide the means for the association to develop important initiatives.



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