

EACR

European Association
for Cancer Research

CONFERENCES

www.eacr.org

EACR Conference Cancer Metabolism

06-08 October 2026 | Bilbao, Spain

Scientific Programme Committee

Arkaitz Carracedo (Chair)
Patricia Altea

Lydia Finley
Ayelet Erez

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



EACR onsite team



Hannah Barrs
Conference Officer



Kathryn Wass
Conferences Manager



Alexandra Boitor
Scientific Manager



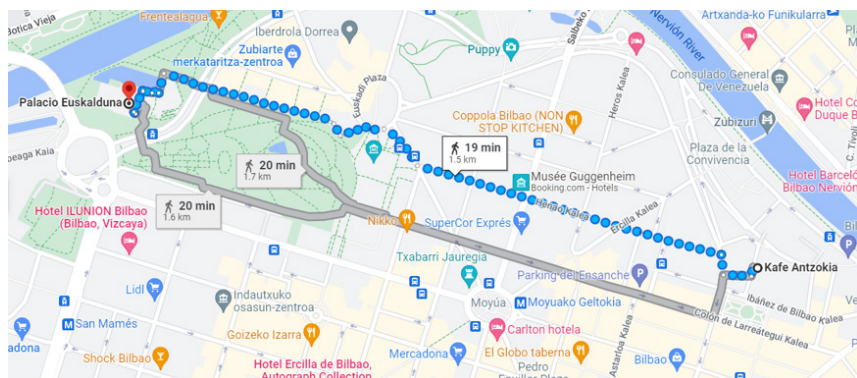
Jane Smith
Chief Executive Officer

Conference dinner

Optional ticketed event [SOLD OUT]
Wednesday 07 October, 20:00

The Conference Dinner will take place at Kafe Antzokia's Restaurant. It will be an excellent opportunity for participants and speakers to get to know each other in a relaxed and informal environment. After dinner, we will enjoy music and dancing with a live DJ.

Kafe Antzokia's Restaurant: Done Bikendi Kalea, 2, 48001 Bilbo, Bizkaia, Spain



18 top speakers including:

Chiara Ambrogio
Alberto Bardelli
Rene Bernards
Alejo Efeyan

Alfredo Gimenez Cassina
Marta Puyol
Giulia Siravegna
Alexia-Ileana Zaromytidou

Professional development for cancer researchers

Information, insight and
strategies to develop a
successful career in cancer
research.

- Career opportunities after a PhD
- Equality, inclusion and diversity
- Grant writing
- Ethical and productive use of AI

EACR European Association
for Cancer Research

CAREER MASTERCLASS

FOR EARLY CAREER
CANCER RESEARCHERS

Virtual event | 17 - 18 November 2026

eacr.org/conferences



EACR Conference **SYSTEMS-LEVEL ENGINEERING OF T-CELL SPECIFICITY**

Virtual event

01 - 02 December 2026

EACR Conference **MECHANISMS OF CANCER AVOIDANCE: FROM CELLS TO COMMUNITIES**

Virtual event

19 - 20 January 2027

EACR-Boehringer Ingelheim Conference

INDUCED PROXIMITY: DEGRADATION AND BEYOND

Virtual event

03 - 04 February 2027

Find out more
about upcoming
conferences



EACR Conference **ecDNA AND THE GENOMIC CHAOS OF CANCER**

Virtual event

23 - 24 February 2027

16 top speakers including:

Hana Aliee	Lichun Ma
Charlotte Bunne	Eytan Ruppin
Trey Ideker	Aristotelis Tsirigos
Mo Lotfollahi	Linghua Wang

where models help, where they fall short, and what comes next

- Single-cell and spatial omics in cancer
- Computational and digital pathology
- Multimodal integration across imaging, pathology, genomics, and clinical data
- Foundation models, representation learning, and generative modeling
- Modeling cellular perturbation and treatment response for precision oncology
- Cancer genomics, tumour evolution, heterogeneity, and the tumour microenvironment

EACR Conference

CANCER BIOLOGY:

Virtual Systems & Beyond

16 - 18 March 2027, Bergamo

eacr.org/conferences



EACR Conference OVERCOMING THERAPY RESISTANCE:

Outsmarting intratumour
heterogeneity and
plasticity

20 - 22 April 2027, Lyon

eacr.org/conferences



16 top speakers including:

Nicola Aceto	Frederic de Sauvage
Marta Kovatcheva	Tuomas Tammela
Ilaria Malanchi	Celine Vallot
Chris Marine	Ashani Weeraratna

Tackling one of oncology's most persistent challenges

- Resolving tumour complexity
- Driver cancer cell states: MICs, persister cells, and dormancy
- Dissecting and rewiring the dynamic tumour microenvironment (TME)
- Emerging treatment strategies to contend with ITH and plasticity
- Where and when to treat: timing and sequencing of intervention

Cancer Metabolism

Tag us   @helloeacr | Wi-Fi: CM2026 Password: EACRBilbao

Day 1 | Tuesday 06 October

Session 1
posters can be
put up

From 11:30

REGISTRATION

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: CANCER-HOST METABOLIC COMMUNICATION

Chair: Patricia Altea

13:10-13:40

Q&A: 13:40-13:55

OPENING KEYNOTE LECTURE

Marcia Haigis Harvard University, USA

'Role of metabolites in cancer, aging, and immunity'

13:55-14:15

Q&A: 14:15-14:25

Ayelet Erez Weizmann Institute of Science, Israel

'Rewiring Hepatic Metabolism Through Tumor-Host Interactions During Cancer Cachexia'

14:25-14:35

Q&A: 14:35-14:40

Sara Isabel Fernandes VIB-KU Leuven CCB, Belgium

Proffered Paper 1: 'Methionine restriction inhibits breast cancer metastasis'

14:40-14:45

MOLECULAR ONCOLOGY CALL FOR CONTENT

Kevin Ryan Molecular Oncology/FEBS

14:45-14:55

EXHIBITOR INTRODUCTIONS

60-second pitches from exhibiting companies.

14:55-15:25

COFFEE, EXHIBITION AND SOLO MEET-UP

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

15:25-15:45

Q&A: 15:45-15:55

Salvador Aznar-Benitah IRB Barcelona, Spain

'Endocrine role of metastasis in systemic energy-wasting and cachexia'

15:55-16:15

Q&A: 16:15-16:25

Almut Schulze DKFZ, Germany

'Targeting metabolic plasticity and flexibility in cancer'

16:25-16:35	POSTER SPOTLIGHTS <i>Posters 1, 2 and 3 will be presented in 3-minute 'flash talks'</i>
16:35-16:50	NUMIERA THERAPEUTICS INDUSTRY SPOTLIGHT Izi Stoll Numiera Therapeutics 'Repositioning the CPT1 inhibitor etomoxir for the treatment of glioblastoma'
16:50-17:20	MEET THE EXPERT Lydia Finley, Sarah-Maria Fendt, Kivanc Birsoy Gain insight and advice from a panel of outstanding scientists
17:20-18:15	 WELCOME RECEPTION BUFFET AND DRINKS
18:15-19:45	POSTER DISCUSSION SESSION 1 <i>Presenters of posters 1-108 should stand by their boards.</i>

Day 2 | Wednesday 07 October

08:15-08:45	 EARLY POSTER VIEWING WITH COFFEE
08:45-09:00	NVISION QUANTUM TECHNOLOGIES SPOTLIGHT Simon Bennett NVision Quantum Technologies 'Visualize Cancer Metabolism - As It Happens'
09:00-09:20	SESSION 2: METABOLIC SIGNALLING Chair: Arkaitz Carracedo
Q&A: 09:20-09:30	Christian Frezza University of Cologne, Germany 'Tissue-specific responses to fumarate hydratase loss'
09:30-09:40	Shiran Rabinovich The Francis Crick Institute, UK Proffered Paper 2: 'Loss of TIGAR in Lung Tumours Promotes Metastasis by Boosting Cholesterol Uptake'
Q&A: 09:40-09:45	
09:45-10:05	Patricia Altea CABIMER, Spain 'The signaling role of fatty acids in metastasis'
Q&A: 10:05-10:15	
10:15-10:35	Alpaslan Tasdogan University Hospital Essen, Germany 'Metabolism - The new frontier in melanoma precision medicine'
Q&A: 10:35-10:45	
10:45-11:15	 COFFEE BREAK & EXHIBITION
11:15-11:35	George Poulogiannis ICR, UK 'Deciphering the complexities of cancer metabolism for therapeutic gain'
Q&A: 11:35-11:45	

Take down
session 1
posters

Session 2
posters can be
put up

11:45-11:55 Q&A: 11:55-12:00	Ivon Angelova University of Cambridge, UK Proffered Paper 3: 'Dietary Restriction of Serine and Glycine Promotes Anti-Tumour Immunity in Triple-Negative Breast Cancer via cGAS-STING'
12:00-12:10	POSTER SPOTLIGHTS <i>Posters 109, 110 and 111 will be presented in 3-minute 'flash talks'</i>
12:10-13:10	 LUNCH BREAK <i>light refreshments will be served</i>
13:10-14:40	POSTER DISCUSSION SESSION 2 <i>Presenters of posters 109-217 should stand by their boards.</i>
14:40-15:00 Q&A: 15:00-15:10	SESSION 3: ORGANELLE METABOLISM Chair: Lydia Finley Luca Scorrano Università di Padova, Italy 'Keeping mitochondria in shape: a matter of cancer cell life and death'
15:10-15:20 Q&A: 15:20-15:25	Gilles Rademaker GIGA Cancer, University of Liege, Belgium Proffered Paper 4: 'PCSK9-driven cholesterol metabolism dictates liver versus lung organotropism in metastatic PDAC'
15:25-15:35 Q&A: 15:35-15:40	Marzia Santamaria IFOM, Italy Proffered Paper 5: 'Fasting induces ferroptosis by modulating lipid metabolism in breast cancer'
15:40-16:00 Q&A: 16:00-16:10	Kivanc Birsoy Rockefeller University, USA 'Understanding the role of organellar redox metabolism in physiology and disease'
16:10-16:40	 COFFEE BREAK & EXHIBITION
16:40-17:00 Q&A: 17:00-17:10	Marja Jäättelä University of Copenhagen, Denmark 'Targeting Lysosomes in Cancer Treatment'
17:10-17:30 Q&A: 17:30-17:40	EMBO YOUNG INVESTIGATOR LECTURE Sara Sdelci Centre for Genomic Regulation, Spain 'Chromatin beyond epigenetics: a macromolecular metabolic sponge'
17:40-18:10	PANEL DISCUSSION: THE RAPID IMPLEMENTATION OF AI IN RESEARCH Lydia Finley, Christian Frezza, Marcia Haigis, Kevin Ryan

20:00



OPTIONAL CONFERENCE DINNER [SOLD OUT]

Join us for traditional Basque cuisine at Kafe Antzokia Restaurant. After dinner, we will enjoy music and dancing with a live DJ (separate ticketed event).

Day 3 | Thursday 08 October

08:15-08:45



EARLY POSTER VIEWING WITH COFFEE

08:45-09:00

AGILENT TECHNOLOGIES SPOTLIGHT

Alfredo Caro-Maldonado Agilent Technologies
'Agilent solutions bring you the 3D Cell Analysis with Seahorse, xCELLigence eSight and cytation'

SESSION 4: LESSONS LEARNED FROM METABOLISM IN CANCER AND BEYOND

Chair: Ayelet Erez

09:00-09:20

Lydia Finley MSKCC, USA

Q&A: 09:20-09:30

'Decoding metabolic signals during cell fate transitions'

09:30-09:50

Arkaitz Carracedo CIC bioGUNE, Spain

Q&A: 09:50-10:00

'The influence of cellular and systemic metabolism in prostate cancer progression'

10:00-10:10

Nicolas Rabas The Francis Crick Institute, UK

Q&A: 10:10-10:15

Proffered Paper 6: 'A metabolic link connecting cancer primed neutrophils, tissue regeneration and pro-metastatic tissue conditioning'

10:15-10:45



COFFEE BREAK & EXHIBITION

10:45-11:05

THE EMBO KEYNOTE LECTURE

Q&A: 11:05-11:15

Sarah-Maria Fendt VIB-KU Leuven CCB, Belgium
'Metabolic rewiring driving metastasis formation'

11:15-11:45

CLOSING KEYNOTE LECTURE

Q&A: 11:45-12:00

Jared Rutter University of Utah, USA
'Metabolism and Cellular Decisions'

12:00

SUMMARY, AWARDS AND DEPART

Travel grants

More information about EACR grants: eacr.org/travel-grant

EACR-Worldwide Cancer Research Travel Grants provide funds to help early-career EACR members and researchers based in low- or middle-income 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.

- **GIORGIA DELLA ROCCA** ITALY
- **KATARZYNA DUZOWSKA** POLAND
- **ARATA HAYASHI** ISRAEL
- **SARA ISABEL FERNANDES** BELGIUM
- **LORIANE RODRIGUES** BRAZIL

**worldwide
cancer
research**

EACR
European Association
for Cancer Research

Supporters

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



**Molecular
Oncology**

We would also like to thank our Keynote Lecture sponsor:



Venue floor plan

Main entrance



Exhibitors

- | | |
|---------------------------------|-------------------------|
| 1. Agilent Technologies | 4. IDEXX BioAnalytics |
| 2. NVision Quantum Technologies | 5. Numiera Therapeutics |
| 3. Thermo Fisher Scientific | 6. Lucid Scientific |

Meet the exhibitors

Agilent Technologies Stand: 1

Website: www.agilent.com

Represented at the conference by:

Alfredo Caro-Maldonado, Svenja Reinders



Spotlight: Thursday 08 October, 08:45-09:00

Alfredo Caro-Maldonado: 'Agilent solutions bring you the 3D Cell Analysis with Seahorse, xCELLigence eSight and cytation'

NVision Quantum Technologies Stand: 2

Website: www.nvision-imaging.com

Represented at the conference by:

Enric Maroto, Simon Bennett



Spotlight: Wednesday 07 October, 08:45-09:00

Simon Bennett: 'Visualize Cancer Metabolism - As It Happens'

Thermo Fisher Scientific Stand: 3

Website: www.thermofisher.com

Represented at the conference by:

Sara Pérez Muñoz, Leonor Asón Portilla



IDEXX BioAnalytics Stand: 4

Website: www.idexxbioanalytics.eu

Represented at the conference by:

David Mayo, Marianne Lagache



Numiera Therapeutics Stand: 5

Website: www.numiera.com

Represented at the conference by:

Izi Stoll



Spotlight: Tuesday 06 October, 16:35-16:50

Izi Stoll, PhD: 'Repositioning the CPT1 inhibitor etomoxir for the treatment of glioblastoma'

Lucid Scientific Stand: 6

Website: www.lucidsci.com

Represented at the conference by:

Mike Lu



Poster index

View abstracts when logged in at www.eacr.org/conference/cancermetabolism2026

Poster Spotlight session 1: Tuesday, 16:25 | Also as posters on Tuesday

- 1 Mitochondrial GPD2 orchestrates redox adaptation in colorectal cancer and its targeting exposes a vulnerability to LDH blockade and fasting Presented by **Giorgia Della Rocca**, Sapienza - University of Rome, Italy
- 2 Targeting Long-Chain Fatty Acid Elongation Disrupts Cancer Membranes Organization and Triggers Anti-Cancer Immunity Presented by **Justine Epiney**, CHUV, Switzerland
- 3 Tumor- and liver-derived ApoE orchestrate an inter-organ lipid transport circuit that fuels metastatic growth, systemic inflammation, and cancer-associated cachexia Presented by **Blanca Majem Cavaller**, Institute for Research in Biomedicine, IRB Barcelona, Spain

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

- 109 Tumor-reprogrammed LDL functions as a systemic messenger driving hepatic pre-metastatic niche formation Presented by **Rom Keshet**, Sheba Medical Center, Israel
- 110 Lipid-metabolic reprogramming of the tumor-adjacent tissue is associated with relapse in breast cancer Presented by **Katarzyna Duzowska**, Medical University of Gdansk, Poland
- 111 Pyrimidine Catabolism Generates Signaling Metabolites that Promote Aggressive Cancer Cell States Presented by **Yoav Shaul**, Hebrew University, Israel

Poster presentations session 1: Tuesday, 18:15 - 19:45

- 1 [SPOTLIGHT] Mitochondrial GPD2 orchestrates redox adaptation in colorectal cancer and its targeting exposes a vulnerability to LDH blockade and fasting Presented by **Giorgia Della Rocca**, Sapienza - University of Rome, Italy
- 2 [SPOTLIGHT] Targeting Long-Chain Fatty Acid Elongation Disrupts Cancer Membranes Organization and Triggers Anti-Cancer Immunity Presented by **Justine Epiney**, CHUV, Switzerland
- 3 [SPOTLIGHT] Tumor- and liver-derived ApoE orchestrate an inter-organ lipid transport circuit that fuels metastatic growth, systemic inflammation, and cancer-associated cachexia Presented by **Blanca Majem Cavaller**, Institute for Research in Biomedicine, IRB Barcelona, Spain
- 4 Probing Metabolic and Cell-Death Vulnerabilities of ABCB1-Deficient Cells in the Early Adaptive Response to Paclitaxel Presented by **Ceyda Açılan**, Koc University, Turkey
- 5 ETV6::RUNX1 Drives Metabolic Rewiring and Oxidative Stress in Pre-Leukemic B-Cell Progenitors Presented by **Denise Acunzo**, Tettamanti Center, Fondazione IRCCS San Gerardo dei Tintori, Italy
- 6 Targeting CAF-Intrinsic Checkpoints and Arginine Metabolism to Enable Durable Antitumor Immunity in pancreatic cancer Presented by **Lilach Agemy**, Weizmann Institute of Science, Israel
- 7 Acidosis-induced metabolic rewiring creates a PHGDH-dependent liability in colorectal cancer Presented by **Al Roumi Rim**, UCLouvain, Belgium

8 Metabolic phenotype-dependent remodeling of the bone marrow vascular niche in acute lymphoblastic leukemia Presented by Nadia Alaei Faradonbeh, Charles University, Czech Republic

9 Network-guided discovery of FAM46C-associated lipid metabolic vulnerabilities in multiple myeloma Presented by Isidora Alempijevic, Istituto Nazionale Genetica Molecolare (INGM), Italy

10 Defining the metabolic and transcriptomic landscape of ovarian clear cell carcinoma Presented by Maria Francesca Allega, Cancer Research UK Beatson Institute, UK

11 Application of Digital Cytometry for Tumor Microenvironment Profiling and Prognostic Insights in Metabolic Subtypes of HNSCC Presented by Elia Alonso Rueda, Helmholtz Munich, Germany

12 Polyamine Deprivation Promotes Survival Adaptation to Docetaxel in Prostate Cancer Cells Presented by Mikel Arana, CICbioGUNE (Bizkaia Science and Technology Park), Spain

13 Single-cell metabolic mapping reveals targetable liabilities across CD8+ TIL exhaustion states in NSCLC Presented by Andrea Armero, Instituto de Investigación Sanitaria La Fe, Spain

14 Periprostatic adipose tissue-secreted miR-6798-5p acts as an oncomiR in the pathophysiological interaction between obesity and prostate cancer through the TAGLN2 gene Presented by Laura Arroyo Millán, University of Cordoba, Spain

15 Organelle age as proxy for metabolic heterogeneity in CRC Presented by Johanna Aspholm, University of Helsinki, Finland

16 Spatially Resolved Metabolic Vulnerabilities in BAP1-Deficient Uveal Melanoma Presented by Robinson Ateh, Sheffield Hallam University, UK

17 Unravelling the multifaceted role of PCSK9 in tumour progression and metabolism in colorectal cancer Presented by Iratxe Bañares, University Of The Basque Country, Spain

18 BRAINTOX: Role of Uremic Toxins in Metabolic Rewiring in Glioblastoma Presented by Julia Bandrés Mériz, CBmed GmbH, Austria

19 A Synergistic Combination of Two FDA-Approved Compounds Induces Metabolic Exhaustion in Liver Cancer Cells Presented by Alberto Diaz-Ruiz, IMDEA Food Institute, Spain

20 Single-cell metabolic flux profiling identifies a rare, early-emerging EMT-like metabolic state in pancreatic cancer Presented by Jaume Barcelo, Barts Cancer Institute, UK

21 Beyond Ribonucleotide Reductase Inhibition: Nucleotide and Redox Metabolic Remodeling Accompany Hydroxyurea-Induced Differentiation in AML Presented by Klara Bardac, University of Zagreb School of Medicine, Croatia

22 Exploiting branched-chain amino acid metabolism to boost chimeric antigen receptor immunotherapy for children with acute leukemia Presented by Michela Bardini, Tettamanti Center, Italy

23 Metabolic regulation of hypoxia drives corticoid-induced radiotherapy resistance in glioblastoma Presented by Paula Barrios Lozano, Navarrabiomed - Public University of Navarra, Spain

24 Targeting Mitochondrial Metabolism in SDH-Deficient Tumors Presented by Arash Barzegar-Yarmohammadi, BIOCEV/Charles University, Czech Republic

- 25 From metabolism to immunity: OADHC dictates the tumor microenvironment in LUAD Presented by Roberta Basile, Università del Piemonte Orientale, Center for Translational Research on Autoimmune and Allergic Diseases (CAAD), Italy
- 26 Role of mitochondrial acetyl-carnitine as mediator of metabolic-epigenetic crosstalk in pancreatic cancer Presented by Kamila Baslarová, Czech Academy of Sciences, Czech Republic
- 27 NAD(P)+ in lymphoma: The underestimated metabolic driver Presented by Wiebke Beninga, University Medical Center, Germany
- 28 Nuclear Adenosine Metabolism Defines a Metabolic Vulnerability Unmasked by TP53 loss Presented by Anna Benito I Ferrer, Centre for Genomic Regulation (CRG), Spain
- 29 Microbial metabolic crosstalk shapes colorectal cancer tumor microenvironment Presented by Mohamed Benzarti, University of Luxembourg, Luxembourg
- 30 Metabolic tracer multiplexing positions lung adenocarcinoma in multidimensional metabolic space Presented by Robert Bielik, Cancer Research UK Scotland Institute, UK
- 31 Phosphatidylcholine-specific phospholipase C inhibition enhances the antiproliferative and metabolic effects of metformin in triple-negative breast cancer Presented by francesco Bonanni, Istituto Superiore di Sanità, Italy
- 32 CREBBP as a marker of Cuproptosis sensitivity in Diffuse Large B-cell Lymphoma Presented by James Boncan, Barts Cancer Institute, UK
- 33 Loss of UFMylation supports prostate cancer metastasis and rewires cell metabolism towards hexosamine biosynthesis Presented by Laura Bozal-Basterra, CIC bioGUNE, Spain
- 34 Metabolic determinants of differentiation-permissive replication stress in acute myeloid leukemia Presented by Alojzija Brčić, Croatian Institute for Brain Research, School of Medicine, Croatia
- 35 DSS-induced intestinal injury remodels hepatic metabolism and alters clonal growth dynamics in -catenin/MYC-driven liver lesions Presented by Connor Brown, CRUK Scotland Institute, UK
- 36 Dual-tracer autoradiography and positron emission tomography (PET) scans using in-yolk-sac tracer delivery in the chicken chorioallantoic membrane (CAM) tumor model Presented by Morten Busk, Aarhus University Hospital, Aarhus, Denmark
- 37 Metabolism-driven replication stress creates a targetable vulnerability to WEE1 inhibition in colorectal cancer with acquired resistance to anti-EGFR therapies Presented by Kristi Buzo, IRCCS Candiolo, Italy
- 38 HSF1 dictates metabolic rearrangements to promote pro-tumorigenic ECM deposition by cancer-associated fibroblasts Presented by Fernando Calvo, Instituto de Biomedicina y Biotecnología de Cantabria (IBBTEC), Spain
- 39 Metformin suppresses colorectal cancer by disrupting lysosome-mitochondria communication through a PEN2-NRF2 signaling module Presented by Luca Campea, Sapienza - University of Rome, Italy
- 40 Targeting prolyl 4-hydroxylase subunit alpha 1 in pancreatic cancer-associated fibroblasts: a metabolic-epigenetic vulnerability Presented by Claudia Camplone, Sapienza University of Rome, Italy

- 41 Menin inhibition sensitizes KMT2A-rearranged B-ALL to ferroptosis through SLC7A11 downregulation Presented by Martina Capelletti, University of Milan Bicocca, Italy
- 42 Leveraging the Acidic Tumor Microenvironment for targeting pro-or antitumor cells by Marker-Agnostic TumoR-Anchoring Chimeras (MATRACs) Presented by Federica Cappellesso, VIB Center for Inflammation Research, Belgium
- 43 Targeting glioblastoma with metabolic drugs highlighted R-sodium lipoate as a potent therapeutic approach Presented by Alice Cariou Cariou, Centre of Research of Cancer Lyon, France
- 44 Spatially coordinated metabolic programs across tumour compartments associate with FOLFIRI+panitumumab response in mCRC Presented by Marta Cascante Cascante, Universitat de Barcelona, Spain
- 45 Metabolic plasticity underlies ferroptosis resistance driven by mutant p53 in pancreatic ductal adenocarcinoma Presented by Adriana Celesia, University of Verona, Italy
- 46 Choline kinase- targeting remodels membrane organization and impairs integrin-dependent dissemination programs in ovarian cancer Presented by Eleonora Citeroni, Fondazione IRCCS Istituto Nazionale dei Tumori, Italy
- 47 PPP2R1A-Driven Rewiring of Autophagy and Mitophagy in Uterine Serous Carcinoma Presented by Valentina Clausi, Roma Tre University, Italy
- 48 Evasion From a Metabolic Checkpoint in Renal Epithelia Favors Transformation from Benign to Cancerous Lesions Presented by Sara Clerici, IRCCS San Raffaele Scientific Institute, Italy
- 49 Microenvironmental glycine drives pancreatic cancer chemoresistance by inhibiting NINJ1-mediated cell death Presented by Guillaume Cognet, University of Chicago, USA
- 50 Pathway-based metabolomics clusters drive drug response heterogeneity in IDH wild-type glioblastomas Presented by Lucia Córdoba-Esteban, Medical University of Graz / CBmed GmbH, Austria
- 51 Enhancing therapeutic responses in lymphoma through advanced understanding of new metabolic regulator Pellino1 Presented by Clara Cunningham, Queen's University Belfast, UK
- 52 Elucidating the role of formate in the tumour microenvironment Presented by Alina Dahthaus, Luxembourg Institute Health, Luxembourg
- 53 NADH from glutamine oxidation fuels lactate production to maximize ATP production under oxygen consumption constraints in head and neck cancer Presented by Rianne Dalhuisen, Amsterdam UMC, Netherlands
- 54 Bayesian Inference of Lipid Abundances: Uncovering Global and Lipid Class Specific Changes in Abundance, Chain Length, and Chain Saturation in Cancer Metabolism Presented by Katja Danielzik, University of Duisburg-Essen, Germany
- 55 RAS Effector, RASSF10, Modulates Cancer Cell Metabolism Presented by Rajesh Das, Indian Institute of Technology Madras, India
- 56 Dissecting the interface between metabolic perturbations and gene regulation in colon cancer Presented by Subhamoy Datta, University of Helsinki, Finland
- 57 Targeting Hexokinase-2 protein interactions as a therapeutic strategy for inhibiting brain tumour growth Presented by Leandro de Assis, University of Plymouth, UK
- 58 High-throughput drug screening identifies a synergistic effect between multi-kinase inhibitor and fatty acid oxidation in hepatocellular carcinoma Presented by Angela De Cristofaro De Cristofaro, Tor Vergata University of Rome, Italy

- 59 Regulation and role of heme biosynthesis pathway and heme oxygenase 1 (HMOX1) in oncogene-induced senescence Presented by Emilie Dejonckere, Centre de Recherche en Cancérologie de Lyon, France
- 60 Systemic Lipid Metabolism Predicts Sensitivity to Stearoyl-CoA Desaturase Inhibition in Acute Myeloid Leukemia Presented by Vilma Dembitz, University of Zagreb School of Medicine, Croatia
- 61 Towards metabolic targeting of residual disease in chemotherapy-treated triple negative breast cancer Presented by Manon Desgres, UCL, Belgium
- 62 Integrated multi-omics reveals conserved molecular responses to targeting the MTAP-PRMT5 metabolic vulnerability Presented by Eliana Destefanis, Virginia Tech, USA
- 63 Glutamate Dehydrogenase Promotes Survival of Triple-Negative Breast Cancer Persister Cells Through Regulation of EMT and Anaplerotic Metabolism Presented by Biswajit Dey, National Institute of Pharmaceutical Education and Research (NIPER) Hyderabad, India
- 64 The HGF/MET axis enhances glutamine/glutamate metabolism in triple-negative breast cancer: implications for combined MET and glutaminase inhibition Presented by Giulianmichela Di Palma, University of Turin, Italy
- 65 Exploring Mechanisms of Immunotherapy Resistance in Ovarian Cancer Presented by Elisabetta Diana, Humanitas University, Italy
- 66 Distributed glutamine metabolism limits the immunotherapeutic benefit of GLS inhibition in triple negative breast cancer Presented by sandra martha gomes dias, cnpem, Brazil
- 67 Investigating and exploiting aberrant metabolism in CREBBP-deplete small cell lung cancer Presented by Lili Dimitrova, Bart's Cancer Institute, UK
- 68 Pharmacological ISR activation as therapeutic strategy against MYC-driven B-cell lymphoma Presented by Giulio Donati, European Institute of Oncology, Italy
- 69 Unveiling the role of SLC25A21 in KRAS-driven lung cancer: from mitochondrial amino acid catabolism to metabolic and immune remodeling Presented by Chiara Donno Biasco, Università del Piemonte Orientale, Center for Translational Research on Autoimmune and Allergic Diseases (CAAD), Italy
- 70 Spatial Metabolomics Reveals Metabolic Heterogeneity in G3 Neuroendocrine Tumors of the digestive system Presented by Gabriella Doronzo, University of Turin, Italy
- 71 Utilising cellular metabolism as a strategy to prevent CD8+ T cell exhaustion in melanoma metastasis Presented by Gabriella Dow, KU Leuven, Belgium
- 72 Leveraging autophagy and pyrimidine metabolism to target pancreatic cancer Presented by Suzanne Dufresne, Salk Institute, USA
- 73 Targeting the mitochondrial citrate/malate antiporter SLC25A1 reprograms cellular metabolism and impairs proliferation in chronic lymphocytic leukemia Presented by Mohamed Elbahloul, Technical University of Munich/TUM University Hospital, Germany
- 74 Transformation-selective metabolic collapse driven by SAH-homocysteine axis perturbation in acute myeloid leukemia Presented by Kamal Eltayeb, European Institute of Oncology, Italy
- 75 SLC37A2 promotes metabolic adaptations supporting chemoresistance acquisition Presented by Soufiane Essuissi, Université du Québec à Trois-Rivières, Canada

76 Mitochondrial dysfunction and cancer: genetic models of succinate dehydrogenase deficiency reveal metabolic consequences beyond succinate accumulation Presented by Maria Esteban Amo, University of Valladolid, Spain

77 Targeting Lymphatic-Derived FABP4 and SCD1 in Cancer Cells Enhances Ferroptotic Cell Death In Lymph Node Metastases Presented by Mohammad Farran, University of Liege, Belgium

78 Modulation of the MCL1–BOK Axis Induces Mitochondrial Stress and Alters ER–Mitochondria Communication in Non-Small Cell Lung Cancer Presented by Ainoa Fayos Marti, Principe Felipe Research Center, Spain

79 MET–NMDAR Crosstalk Drives HGF-Dependent Survival and Invasive Programs in Colorectal Cancer Presented by Beatrice Folco, University of Turin, Italy

80 Circulating L-carnitine, -butyrobetaine, and trimethylamine N-oxide in gastric cancer: sex-specific alterations within the Carnitine–GBB–TMAO pathway Presented by Ilona Freiliba, Institute of Clinical and Preventive Medicine, University of Latvia, Latvia

81 Glycosylated Extracellular Vesicles Drive a Metabolic Interplay Between Gastric Cancer Cells and Adipocytes Presented by Daniela Freitas, i3S, University of Porto, Portugal

82 Fluidic system enhanced 3D bioprinted tumor models to study metabolic heterogeneity in early metastatic events and immune cell functions Presented by Zsófia Gábor, Semmelweis University, Hungary

83 PISD-dependent mitochondrial network as a metabolic vulnerability in endocrine-resistant breast cancer Presented by Virginia Gamboa Aldecoa, CIC bioGUNE, Spain

84 Parenchymal Phenotypes and Metabolic Microenvironment: A Radiomic Approach to Risk Signatures in Indeterminate (BI-RADS o) Mammograms Presented by Begoña García-Zapirain Soto, University of Deusto, Spain

85 Cell line-dependent metabolic adaptation of breast cancer cells to stepwise 5-fluorouracil exposure and serum deprivation Presented by Seda Gasparyan, L.A. Orbeli Institute of Physiology NAS RA, Armenia

86 Lysosomal cholesterol handling dictates mTORC1 activity and organ-specific metastasis in pancreatic cancer Presented by Aline Genbau, University of Liège, Belgium

87 Targeting Glutamine Metabolism to Overcome MEK Inhibitor Resistance in NRAS-Mutant Melanoma Presented by Sagarika Ghosh, University of Luxembourg, Luxembourg

88 Dysregulation of alternative splicing machinery influences molecular heterogeneity and cellular metabolism of bladder cancer Presented by Ignacio Gil-Duque, Universidad de Córdoba, Spain

89 Development of a 3D OAC tissue culture platform for metabolic and therapeutic efficacy studies of the whole microenvironment Presented by Ana Giraldo Rincon, Imperial College London, UK

90 STK11 loss promotes brain metastasis in NSCLC by enhancing adaptation to the brain microenvironment Presented by Laureen Sarah Goodman, Tel Aviv University, Oncology lab, Israel

91 Dissecting metabolic plasticity and vulnerabilities in glioblastoma Presented by Corey Griffith, Luxembourg Institute of Health, Luxembourg

92 Performing Proteomics and Functional Assays to Find the Role of OXPHOS Inhibition in Resistance Phenotype of Triple Negative Breast Cancer Presented by Mert Gungor, Sabanci University, Turkey

- 93 Pyrimidine Catabolism Generates Signaling Metabolites that Promote Aggressive Cancer Cell States Presented by Arata Hayashi, The Hebrew University of Jerusalem, Israel
- 94 Influence of Metabolism on Cellular Plasticity and Melanoma Treatment Response. Presented by Laura Henry, IRCM Inserm U1194, France
- 95 Metabolic Pathway-Based Subtypes Drive Tumor-Fibroblast Crosstalk and Therapy Resistance in Head and Neck Squamous Cell Carcinoma Presented by Sven Hermeling, Helmholtz Center Munich, Germany
- 96 Physiological cerebrospinal fluid like medium reveals autophagy dependency of leukaemia in the central nervous system Presented by Ekaterini Himonas, The Cyprus Institute of Neurology & Genetics, Cyprus
- 97 Asparagine synthetase activity is driven by endogenous aspartate and determines sensitivity of leukemic cells to asparagine depletion Presented by Katerina Hlozkova, The Second Faculty of Medicine, Charles University, Czech Republic
- 98 Targeting SLC3A2 perturbs amino acid metabolism and sensitizes ALL to ferroptosis Presented by Felix Höfer, TUM Klinikum Rechts der Isar, TUM School of Medicine and Health, Technical University of Munich, Germany, Germany
- 99 Metabolic and Immune Reprogramming by Preventive Exercise Restricts Pancreatic Cancer Metastasis Presented by Chun-Mei Hu, Academia Sinica, Taiwan Roc
- 100 Alanine triggers an immuno-metabolic crosstalk between tumor cells and myeloid cells to shape the immunosuppressive microenvironment in renal cell carcinoma Presented by Xinye Hu, Renji Hospital, Shanghai Jiao Tong University School of Medicine, P.R. China
- 101 Loss of Gq in fibroblasts drives metabolic reprogramming that fuels Head and Neck Squamous Cell Carcinoma Progression Presented by Raquel Huertas Lárez, Universidad Autónoma de Madrid, Spain
- 102 Investigating the Metabolic Role of ISG15 in Soft Tissue Sarcomas to Identify Targetable Vulnerabilities Presented by Keira Hughes, University of St Andrews, UK
- 103 m5C Hypermethylation of HDGF mRNA Drives De Novo Lipogenesis and Proliferation in Colorectal Cancer Presented by Keun Hur, Kyungpook National University, South Korea
- 104 MYC-driven OXPHOS enforces glutamine anaplerosis through complex I-regenerated NAD⁺, revealing a key cancer-selective therapeutic vulnerability Presented by Linda Id, University of Helsinki, Finland
- 105 Assessment of 1267 nm Near-Infrared Illumination in Murine Glioblastoma Models In Vitro and In Vivo Presented by Tamara Ivković, "VINČA" Institute of Nuclear Sciences-National Institute of the Republic of Serbia, University of Belgrade, Serbia
- 106 Metabolic adaptations to the loss of pyrimidine de novo synthesis in lung cancer Presented by Pavel Jakoubě, Institute of Biotechnology of the Czech Academy of Sciences, Czech Republic
- 107 7-DHC accumulation induces radiotherapy resistance by suppressing ferroptosis Presented by Robin Jehay, University of Liege, Belgium
- 108 Peroxisomal fatty acid oxidation is an exploitable vulnerability of KRAS inhibition in PDAC Presented by Julio Jiménez Alonso, CIMA-UNAV, Spain

Poster presentations session 2: Wednesday, 13:30-15:00

- 109 [SPOTLIGHT] Tumor-reprogrammed LDL functions as a systemic messenger driving hepatic pre-metastatic niche formation Presented by Rom Keshet, Sheba Medical Center, Israel
- 110 [SPOTLIGHT] Lipid-metabolic reprogramming of the tumor-adjacent tissue is associated with relapse in breast cancer Presented by Katarzyna Duzowska, Medical University of Gdańsk, Poland
- 111 [SPOTLIGHT] Pyrimidine Catabolism Generates Signaling Metabolites that Promote Aggressive Cancer Cell States Presented by Yoav Shaul, Hebrew University, Israel
- 112 Epigenetic Histone Remodeling of the NRF2 Axis in Radioresistant Colorectal Cancer Presented by Kyung A Kang, Jeju national University, South Korea
- 113 Metabolic reprogramming of metastatic breast cancer cells by the translation initiation factor DAP5 Presented by Olga Katsara, IRCM, France
- 114 Metabolic modulation of 4-PBA as a potential limitation for its use as a butyrate analogue in cancer therapy Presented by Harula Katsika, Friedrich-Schiller-Universität, Germany
- 115 Metabolic Signatures of T Cells Associated with Immune Checkpoint Blockade Response in Non-Small Cell Lung Cancer Presented by Ella Kearney, Royal College of Surgeons in Ireland, Ireland
- 116 L-pentahomoserine correlates with therapy outcome in esophageal cancer and promotes metabolic adaptations that support cell survival under nutrient-deprived conditions Presented by Mark Kelly, University of St Andrews, UK
- 117 GPR146 suppresses breast cancer progression through metabolic reprogramming and lipid remodeling Presented by Fayhaa Khair-Dabbour, SouraskyTel Aviv Medical Center, Israel
- 118 L-asparaginase induced protein degradation remodels redox homeostasis in acute lymphoblastic leukemia Presented by Matus Kolarik, Second Faculty of Medicine, Charles university, Czech Republic
- 119 ROS-Mediated Growth and Invasion Inhibition in NCH82 Glioblastoma Cells Following 1267 nm Illumination Presented by Lela Koricanac, National Institute of the Republic of Serbia, University of Belgrade, Serbia
- 120 Influence of m6A modifications on lipid metabolic reprogramming and cell membrane properties in HCC Presented by Katarina Krajina, Johannes Kepler University Linz/ Medical Faculty/ Division of Hematology and Clinical Oncology, Austria
- 121 Metabolic Remodeling of Tumor-Draining Lymph Nodes During Disease Progression in Triple-Negative Breast Cancer Presented by Max Krämer, University Hospital Würzburg, Germany
- 122 Mitochondria-targeted treatment overcomes sunitinib resistance in renal cell carcinoma Presented by Marek Krátký, Institute of Biotechnology of the Czech Academy of Sciences, Czech Republic
- 123 Uncovering a Novel Targetable Relationship Between Lactate Metabolism and Progenitor Cell Identity in Medulloblastoma Presented by Helgi Kuzmychova, University of Manitoba, Canada
- 124 Miro1-dependent mitochondrial positioning supplies peripheral ATP to sustain migration in B16 melanoma cells Presented by Gabriela Oliveira, Institute of Biotechnology of Czech Academy of Sciences, Czech Republic

- 125 Targeting GLO1 impairs D-Lactate-driven histone lactylation and stemness in colorectal cancer Presented by Fanny Lardinois, University of Liège, Belgium
- 126 Myoferlin is required for pancreatic cancer desmoplasia Presented by Emilie Laverdeur, GIGA, Belgium
- 127 Unveiling adaptive responses to glucose deprivation in lung cancer cells in plasma-like medium Presented by Katharina Leithner, Medical University of Graz, Austria
- 128 Effects of acid on lipid metabolism and exhaled volatile biomarkers in oesophageal adenocarcinoma Presented by Philip Leung, Imperial College London, UK
- 129 Synergistic Targeting of Resistant Colorectal Cancer via Combination of the Novel Bi-dibenzofuran Compound MO38 and Clinical Akt Inhibitors Presented by Shaokui Liang, Macau University of Science and Technology, Macao
- 130 Interrogating Metabolic Reprogramming across Tumor Evolution for Precision Therapy Presented by Judit Liaño Pons, Vall d'Hebron Institute of Oncology (VHIO), Spain
- 131 Functional nutrient-genetic profiling reveals biotin and FBXW7 are essential to bypass glutamine addiction Presented by Miriam Lisci, University of Lausanne, Switzerland
- 132 Identification of a cell-active Acetyl-CoA Carboxylase 1 inhibitor with antitumoral activity in pan-cancer Presented by Marta Llatas Martinez, Medical Research Institute Hospital La Fe, Spain
- 133 Metabolic phenotype determines sensitivity of transformed cells to Glut1 inhibition by BAY-876 Presented by Fiona Ludwig, Friedrich-Schiller-Universität Jena, Germany
- 134 Malignant cell metabolic heterogeneity shapes macrophage metabolism in a human 3D multicellular model of high-grade serous ovarian cancer Presented by Beatrice Malacrida, Queen Mary University of London, UK
- 135 CD147 regulates cell-cycle progression, metabolism and adhesion-associated pathways in metastatic prostate cancer cells Presented by Rodrigo Martino-Kunsch, Facultad de Medicina, Universidad de la Republica, Uruguay
- 136 Nutrient modulation through the diet influences organotropism in breast cancer metastasis Presented by Bruna Martins Garcia, CABIMER, Spain
- 137 Targeting oxidative phosphorylation in pancreatic cancer stem cells through lumichrome-loaded nanoemulsions Presented by Pablo Maseda Fernández, Autonomous University of Madrid, Spain
- 138 p53 regulates nucleotide metabolism in response to altered pools by promoting pyrimidine salvage transporter hCNT1 expression Presented by Marta Mata Jurado, Universitat de Barcelona, Spain
- 139 Disentangling the metabolic alterations that confer resistance to HER2-targeted therapies in breast cancer Presented by Ferran Medina-Jover, CICbioGUNE, Spain
- 140 Metabolic adaptations of cancer cells during contact guidance migration Presented by Natalia Melo Santos, Institute of Pathophysiology, Austria
- 141 Mitochondrial G-actin regulates a transcriptional and metabolic program that impacts macrophage behavior Presented by Salvador Meseguer, CIPF-Valencia, Spain
- 142 Salmonella LVR01 abrogates tumor metabolic plasticity and vascular adaptation by sabotaging stress-induced survival programs Presented by Amy Mónaco, Instituto de Higiene, Facultad de Medicina, Universidad de la República, Uruguay

143 One-Carbon Metabolism controls Epidermal Cell Fate through Fatty Acid Oxidation and Lipid Remodeling Presented by Alessandro Montella, University of Rome Tor Vergata, Faculty of Medicine, Italy

144 Tumor-specific cytoplasm-localized ARID1B regulates RNA metabolism Presented by Devaunshi Mudodi, CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS (CDFD), India

145 PGAP3 generates oncogenic lipid reprogramming and exhaled biomarkers in ERBB2-amplified gastro-oesophageal cancer Presented by Parisa Naeli, Imperial College London, UK

146 Alterations in hepatocyte desmosterol metabolism affects colorectal liver metastasis development Presented by Ane Nieva-Zuluaga, UPV/EHU, Spain

147 MYC-induced energetic demand drives electron transport chain activity and depletion of mitochondrial reducing equivalents to promote apoptosis Presented by Andy Nolan, Barts Cancer Institute, UK

148 *Poster withdrawn*

149 PTEN loss drives metabolic and proteomic reprogramming in neuroblastoma Presented by Caroline Nunes-Xavier, Biobizkaia Health Research Institute, Spain

150 Stalled replication forks redistribute the histone methyltransferase G9a to sites of replication stress facilitating activation of epigenetically silenced genes Presented by Gillian Oaks, Massachusetts Institute of Technology, USA

151 Classifying the metabolic profiles of cancer cell populations using autofluorescence lifetime imaging and computer vision Presented by Tommy Pallett, King's College London, UK

152 Genetic background shapes mitochondrial metabolic adaptation underlying thyroid carcinoma progression Presented by Vincenzo Davide Pantina, University of Palermo, Italy

153 Identification of KMT2B as a mediator of corticosteroid-induced radioresistance in glioblastoma Presented by Ana Pariente Delgado, Navarrabiomed, Spain

154 Exploiting ER-derived ferroptosis to selectively kill clear cell Renal Cell Carcinomas Presented by Kia Sateri, Barts Cancer Institute, UK

155 Polymethoxyflavone compound induces glutathione-dependent bioenergetic stress and intrinsic apoptosis in melanoma cells Presented by Meijing Piao Piao, Jeju national University, South Korea

156 Metabolic communication within the tumor microenvironment as a therapeutic target in triple-negative breast cancer Presented by Erika Pineda Ramirez, CIBER-BBN, Spain

157 Enhanced hydrogen sulfide production attenuates diethylnitrosamine-induced hepatocarcinoma progression and extends lifespan in mice Presented by Inmaculada Pino Pérez, Centro Andaluz de Biología Molecular y Medicina Regenerativa (CABIMER), Spain

158 UBE2C-driven Metabolic Reprogramming as a Mechanism of Brain Dissemination Presented by Madalena Pinto, Gulbenkian Institute for Molecular Medicine (GIMM), Portugal

159 HCMV-Induced Cancer-like Metabolic Rewiring Reveals Targetable Mitochondrial Dependencies Presented by Mo Pirouzfar, University of Turku, Finland

- 160 Cancer-associated adipocytes (CAAs) drive transcriptional and epigenetic heterogeneity in triple-negative breast cancer via lipid-dependent reprogramming. Presented by Mariaelena Pistoni, Azienda USL-IRCCS di Reggio Emilia, Italy
- 161 SLC04A1 expression defines an aggressive subset of pancreatic ductal adenocarcinoma Presented by Maria Poles, University of Verona, Italy
- 162 Mitochondrially-targeted chelator mitoDFX induces changes in amino acid metabolism Presented by Petra Potomova, IBT, CAS, Czech Republic
- 163 Metabolic characterization and targeting of HR+/HER2- breast cancers upon resistance to neoadjuvant chemotherapy Presented by Melis Poyraz, Université catholique de Louvain (UCLouvain), Belgium
- 164 Matrisome analysis of periprostatic adipose tissue unveils a peculiar prostate cancer-associated extracellular matrix profile associated with tumour progression: oncogenic role of LAMB1/RPSA-receptor axis Presented by Antonio Prats-Escribano, Maimonides Institute for Biomedical Research of Cordoba (IMIBIC), Cordoba, Spain, Spain
- 165 EIF3H-Associated Metabolic Reprogramming as an Unexplored Therapeutic Opportunity in Prostate Cancer Progression Presented by Leonor Puchades-Carrasco, Instituto de Investigación Sanitaria La Fe, Spain
- 166 Polyamine deprivation induces a GCN2-dependent integrated stress response in prostate cancer Presented by Mikel Pujana, CICbioGUNE (Bizkaia Science and Technology Park), Spain
- 167 Counterbalancing metformin-induced glycolytic adaptation enhances antitumour efficacy Presented by Daniela Purps, Friedrich Schiller University Jena, Germany
- 168 The interplay between cellular and NAD⁺ metabolism drives PARPi resistance in ovarian cancer Presented by Emilio Racionero Andrés, Catalan Institute of Oncology-IDIBELL, Spain
- 169 Mapping Metabolic Plasticity: In Vivo ¹⁵N-Ammonia Tracing Reveals Zonal Reprogramming in Acute Liver Injury Presented by Andrea Radikovská, Charles University, Czech Republic
- 170 Characterization of metabolic rewiring in PDX-derived models of PAX5-rearranged pediatric B-ALL Presented by Rebecca Rapisarda, University of Milano-Bicocca, Italy
- 171 Adipocytes promote metabolic adaptation and invasive behavior in colon cancer cells: modulation by vitamin D and glucose Presented by Nerea Regueira Acebedo, Universidad Rey Juan Carlos, Spain
- 172 Cell-cycle stratification reveals a low-kinase and redox-protected persister state in FOLFOXIRI-treated HT115 colorectal cancer cells Presented by Davide Ricupero, INOC – Istituto Nazionale Oncologico Candiolo, Italy
- 173 Salivary amino acids profile as non-invasive biomarker of colorectal cancer-associated cachexia Presented by Loriane Rodrigues de Lima Costa Godinho, State University of Londrina, Brazil
- 174 Investigating the impact of SOS RAS-GEFs on oxidative phosphorylation in iMEFs Presented by Pablo Rodriguez-Ramos, Centro de Investigación del Cáncer, Salamanca, Spain, Spain
- 175 Transsulfuration links aspartate-asparagine metabolism and redox homeostasis to drive tumor growth Presented by Jakub Rohlena, Institute of Biotechnology of the Czech Academy of Sciences, Czech Republic

- 176 Investigating the role of ATGL-loss in promoting enhanced aggressiveness in Triple-Negative Breast Cancer (TNBC) Presented by Teresa Rossi, AUSL-IRCCS di Reggio Emilia, Italy
- 177 APT2 drives breast cancer liver metastasis through the regulation of S-palmitoylation Presented by Alvaro Ruiz-Tabas, Cabimer, Spain
- 178 Glutamine Deficiency Drives Metabolic Rewiring in Acute Myeloid Leukemia Presented by Anna Sachova, Second Faculty of Medicine, Charles University, Czech Republic
- 179 The Mitochondrial Protein Fis1 but not Its Interactor Drp1 Are Essential to Sustain Acute Myeloid Leukemia Stem Cells Presented by Ali Safarzadeh, University of Padova, Italy
- 180 Sequential same-slide spatial metabolomics and transcriptomics for multimodal tissue phenotyping Presented by Veronika Saharuka, DKFZ Heidelberg, Germany
- 181 MYCN inhibition rewires fatty acid metabolism and lipid droplet dynamics in neuroblastoma Presented by Lourdes Sainero Alcolado, Karolinska Institutet, Sweden
- 182 Metabolic reprogramming in hepatocellular carcinoma is shaped by genetic background in animal models Presented by Natalia Sainz Ramirez, Euskal Herriko Unibertsitatea/ Universidad del Pais Vasco (EHU), Spain
- 183 Modulation of p53 acetylation and phosphorylation by ATGL increases hepatocellular carcinoma cell sensitivity to genotoxic therapies Presented by Emanuele Salvi, University of Rome "Tor Vergata", Italy
- 184 LDHA expression in small extracellular vesicles discriminate PDAC metabolic subtypes with distinct prognosis Presented by Patricia Sancho, Instituto de Investigación Sanitaria Aragón (IIS), Spain
- 185 Targeting heme synthesis sensitizes pancreatic cancer to de novo pyrimidine synthesis inhibitors Presented by Naiara Santana Codina, Aarhus University, Denmark
- 186 Mixed-Mode LC-MS/MS Method for Broad Nucleotide and Nucleoside Profiling in Cancer Metabolism Presented by Mohamad Saoud, Heidelberg University, Germany
- 187 Somatic and Epigenetic drivers of Metabolic Heterogeneity in Triple-Negative Breast Cancer Presented by Iñaki Sasiain Casado, Lund University, Sweden
- 188 Serine biosynthesis supports metastatic fitness in colorectal cancer and reveals a targetable metabolic vulnerability Presented by Shakti Satapathy, Lund University, Sweden
- 189 Mast cells shape tumor cell metabolism to restrain treatment-related neuroendocrine prostate cancer Presented by Giusi Scialpi, Fondazione IRCCS Istituto Nazionale dei Tumori, Italy
- 190 Understanding and Exploiting Aberrant Lipid Metabolism in Aggressive Breast Cancers Presented by Ian Scott, Queen Mary University London, UK
- 191 Metabolic rewiring of glutamine utilization under serine deprivation in A549 lung cancer cells Presented by Akalya Sendrayakannan, Indian Institute of Technology Mandi, India
- 192 Glucose metabolic reprogramming as a potential therapeutic vulnerability in oesophageal adenocarcinoma Presented by Afroza Sharmin, Imperial College London, UK
- 193 Uncovering the Drivers of Tamoxifen Resistance in Breast Cancer using Functional Screen Presented by Riya Sheokand, Institute of Biotechnology, CAS, Czech Republic

- 194 Metabolomic Reprogramming Associated with BCG Response and Survival Outcomes in Non-Muscle Invasive Bladder Cancer Presented by Mukul Kumar Singh, Charles University, Czech Republic
- 195 PISD couples mitochondrial lipid metabolism to stem-like plasticity in hormone-dependent breast cancer Presented by Giuliana Siragusa, CIC bioGUNE, Spain
- 196 Dietary Protein Source Modulates Biomarkers for Colorectal Cancer in a Randomized Controlled Trial with Healthy Volunteers Presented by Hana Slabá, University of Helsinki, Finland
- 197 Metabolic control of transcriptional plasticity in CRAT-deficient pancreatic cancer Presented by Katarina Smolková, Institute of Physiology CAS, Czech Republic
- 198 Transcriptomic analysis of autoimmune atrophic gastritis and type 1 gastric neuroendocrine tumors reveal concordant gene expression associated with mitochondrial dysfunction and epithelial reprogramming Presented by Marta Springe, National Institute of Research and Innovation, Latvia
- 199 Spatially Resolved Analysis of CRISPR-Mediated Metabolic Gene Knockouts in Tumor Xenografts Presented by Jarmila Stankova, Institute for Bioengineering of Catalonia, Spain
- 200 High metabolic activity at ALL diagnosis primes leukemic cells for chemotherapy-resistant dormancy Presented by Julia Starkova, Second Faculty of Medicine, Charles University, Czech Republic
- 201 A fasting-mimicking cell culture medium for metabolism and cancer research Presented by Theresia Stoppacher, Medical University Graz, Austria
- 202 Targeting Mitochondrial Iron: At the Crossroad of Metabolic Adaptations and Redox Balance Presented by Jaroslav Truksa, Institute of Biotechnology of the Czech Academy of Sciences, Czech Republic
- 203 DNA methylation and histone acetylation inversely regulate dNp63 and Tap63 isoforms Presented by Zuzana Tylichova, Masaryk Memorial Cancer Institute, Czech Republic
- 204 ATF4 regulates extracellular amino acid composition. and its loss enhances the antitumor response in hepatocellular carcinoma Presented by Amaia Uriz-Huarte, Cancer Center Clínica Universidad de Navarra (CIMA-CCUN), Spain
- 205 Evaluation of ranolazine as a metabolic modulator of the therapeutic response in triple negative breast cancer Presented by Ane Valero Leria, Navarrabiomed - Public University of Navarra, Spain
- 206 A novel metabolic role of Musashi-2 underlies glucocorticoid resistance in Acute Lymphoblastic Leukemia Presented by Luigia Valsecchi, Tettamanti Center, Fondazione IRCCS San Gerardo dei Tintori, Monza, Italy, Italy
- 207 Dihydropyrimidine Dehydrogenase Promotes Glioblastoma Aggressiveness Through Metabolic Reprogramming Presented by Yuganthini Vijayanathan, National Neuroscience Institute, Singapore
- 208 Characterising Metabolic Adaptations to Chemotherapy in Metastatic Colorectal Cancer Presented by Rebecca Wurelly, Queen's University Belfast, UK
- 209 Targeting eEF2K-Mediated Survival Pathways and the Immunosuppressive Microenvironment with Rottlerin to Attenuate Metastatic Triple-Negative Breast Cancer Presented by Sendegul Yildirim, Ufuk University, Turkey

- 210 Arginine Deprivation Sensitises High-Grade Serous Ovarian Carcinoma to PARPi
Presented by Sijia Yu, Imperial College London, UK
- 211 Dual Chemotherapy Resistance in Prostate Cancer Alters Ferroptosis Sensitivity
Presented by Neslihan Yüksel-Çatal, Koc University, Turkey
- 212 KARS1 and ACAT2 as Warburg Effect-Associated Prognostic Biomarkers in Invasive Breast Cancer
Presented by Esraa Z. Redhwan, King Abdulaziz University, Saudi Arabia
- 213 Direct 1267 nm Light Inhibits Growth and Invasion of LN229 Glioblastoma Cells Through Increased ROS Production
Presented by Jelena Zakula, "VINČA" Institute of Nuclear Sciences, National Institute of the Republic of Serbia, University of Belgrade, Serbia
- 214 Regulation of PD-L1 in melanoma by p53/MDM2-activating agents
Presented by Pavlina Zatloukalova, Masaryk Memorial Cancer Institute, Czech Republic
- 215 Methionine Metabolism as Exploitable Vulnerability in Neuroblastoma
Presented by Weiya Zhang, Prinses Maxima Centrum, Netherlands
- 216 Acquired resistance to docetaxel reveals targetable lipid metabolic dependencies in prostate cancer
Presented by Katie Znidericz, INOC - Istituto Nazionale Oncologico Candiolo, Italy
- 217 Longitudinal Raman micro-spectroscopy reveals the spatiotemporal dynamics of fumarate accumulation following FH loss
Presented by Seema Bachoo, CRUK Cambridge Institute, UK

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