

# Cancer Metabolism Programme

Bilbao, Spain

8 - 10 October 2024



## Scientific Programme

Tuesday 8th October 2024

**Listed times are in Central European Summer Time (CEST)**

- 11:30 REGISTRATION & WELCOME LUNCH
- 13:00 CONFERENCE WELCOME
- SESSION 1: METABOLIC SIGNALLING IN CANCER  
Chair: Arkaitz Carracedo
- 13:10 OPENING KEYNOTE LECTURE  
**Eileen White**  
Rutgers Cancer Institute of New Jersey, USA  
'Metabolic alterations driving cancer cachexia'  
Q&A: 13:40-13:55
- 13:55 **Naama Kanarek**  
Boston Children's Hospital / Harvard Medical School, USA  
'Metabolic Vulnerabilities of Leukemia that Spreads to the Central Nervous System'  
Q&A: 14:15 - 14:25
- 14:25 **Naiara Santana Codina**  
Aarhus University, Denmark  
Proffered Paper 1: "Defining and Targeting Mechanisms of Acquired Resistance to Nucleotide Synthesis Inhibition in Pancreatic Cancer"  
Q&A: 14:35 - 14:40
- 14:40 EXHIBITOR INTRODUCTIONS
- 14:50 COFFEE BREAK, EXHIBITION & SOLO TRAVELLER MEET-UP
- 15:20 **Nicla Lorito**  
University of Florence, Italy  
Proffered Paper 2: "FADS1/2-mediated lipid metabolic reprogramming drives ferroptosis sensitivity in metastatic triple negative breast cancer"  
Q&A: 15:30 - 15:35
- 15:35 **Arkaitz Carracedo**  
CIC Biogune, Spain  
'Post-transcriptional control of metabolism (and viceversa) in cancer and beyond'  
Q&A: 15:55 - 16:05
- 16:05 **Mónica Cremades Rodelgo**  
CECAD, Germany  
Proffered Paper 3: "The link between mitochondrial ultrastructure and innate immune response upon Fumarate Hydratase loss"

- Q&A: 16:15-16:20
- 16:20 **POSTER SPOTLIGHTS**  
3 top abstracts presented as 3-minute flash talks
- 16:30 **INDUSTRY SYMPOSIUM - GEMPHARMATECH**  
**Xiangli Bian**  
Project Manager, GemPharmatech Co., Ltd  
'KOAP: Genetically Modified Mouse Models and Applications'
- 17:00 **MEET THE EXPERTS**  
**Naama Kanarek (Boston Children's Hospital / Harvard Medical School , USA) & Marcus Goncalves (Weill Cornell Medicine, USA)**  
Dr. Kanarek & Assist. Prof Goncalves will host an informal session where they will each share their own personal and professional experiences of their paths to scientific leadership.
- 17:30 **WELCOME RECEPTION**  
Drinks reception with buffet.
- 18:15 **POSTER DISCUSSION SESSION 1**

## Wednesday 9th October 2024

**Listed times are in Central European Summer Time (CEST)**

- 08:15 **EARLY POSTER VIEWING**  
Posters may be freely viewed
- 08:45 **INDUSTRY SPOTLIGHT - AGILENT TECHNOLOGIES**  
**Alfredo Caro-Maldonado**  
Seahorse-RTCA xCelligence Field Application Scientist, Agilent Technologies  
'Advanced Tools for Cell Therapy Research and Development'
- SESSION 2: METABOLIC CROSS TALK WITH THE TUMOUR MICROENVIRONMENT**  
Chair: Matt Vander Heiden
- 09:00 **Elisabeth Letellier**  
University of Luxembourg, Luxembourg  
'De-coding microbial metabolism in cancer'  
Q&A: 09:20 - 09:30
- 09:30 **Petra Hyrossova**  
Czech Academy of Sciences, Czech Republic  
Proffered Paper 4: "Endothelial pyrimidine synthesis deficiency promotes tumor growth"  
Q&A: 09:40 - 09:45
- 09:45 **THE EMBO KEYNOTE LECTURE**  
**Karen Vousden**  
The Francis Crick Institute, UK  
'Metabolic crosstalk between the tumour and the host'  
Q&A: 10:05 - 10:15
- 10:15 **Payam Gammage**  
Cancer Research UK Scotland Institute, UK  
'Redox imbalance and anti-tumour immunity'

- Q&A: 10:35 - 10:45
- 10:45 **COFFEE BREAK & EXHIBITION**
- 11:15 **Wilhelm Palm**  
DKFZ, Germany  
'Metabolic stress adaptations in cancer'
- Q&A: 11:35 - 11:45
- 11:45 **Peio Azcoaga**  
BIODONOSTIA, Spain  
Proffered Paper 5: "Oncostatin M cytokine signalling orchestrates immune remodelling and metabolism within the breast tumour microenvironment"
- Q&A: 11:55 - 12:00
- 12:00 **POSTER SPOTLIGHTS**  
7 top abstracts presented as 3-minute flash talks
- 12:30 **LUNCH & EXHIBITION**
- 13:30 **POSTER DISCUSSION SESSION 2**  
**SESSION 3: METABOLIC PROCESSES THAT INFLUENCE CANCER PROGRESSION AND TREATMENT**  
Chair: Alexia-Ileana Zaromytidou
- 15:00 **Martin Bergo**  
Karolinska Institutet, Sweden  
'Antioxidants stimulate blood flow in tumours'
- Q&A: 15:20 - 15:30
- 15:30 **Paula Duch**  
Cancer Research UK Scotland Institute, UK  
Proffered Paper 6: "Harnessing epigenetics to reprogram cancer-associated fibroblasts in metastatic breast cancer"
- Q&A: 15:40 - 15:45
- 15:45 **Hamza Furkan Alkan**  
UT Southwestern Medical Center, USA  
Proffered Paper 7: "Metabolic Regulation of Melanoma Immunogenicity and Metastasis"
- Q&A: 15:55 - 16:00
- 16:00 **COFFEE BREAK & EXHIBITION**
- 16:30 **KJ Patel**  
Weatherall Institute of Molecular Medicine (University of Oxford), UK  
'Endogenous formaldehyde – a toxic metabolic source and modulator of 1 Carbon metabolism'
- Q&A: 16:50 - 17:00
- 17:00 **Patricia Altea Manzano**  
Cabimer, Spain  
"Emerging roles of fatty acid metabolism in metastasis"
- Q&A: 17:20 - 17:30
- 17:30 **MEET THE EDITORS**  
Join us in this session led by Dr Alexia-Ileana Zaromytidou, Chief Editor at

Nature Cancer, to hear advice about the world of publishing in a relaxed and informal setting. Scheduled to end at 18:15.

20:00 **CONFERENCE DINNER - SOLD OUT!!**

The conference dinner will take place at Kafe Antzokia Restaurant. After dinner, we will enjoy music and dancing with a live DJ.

This event has now sold out and there are no further tickets available.

## Thursday 10th October 2024

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08:15 **EARLY POSTER VIEWING**

Posters may be freely viewed.

08:45 **INDUSTRY SPOTLIGHT - CANCERTOOLS.ORG**

**Dr Seema Sharma**

CancerTools.org

'A transformative approach to support cancer researchers'

**SESSION 4: SYSTEMIC METABOLIC CHANGES AND CANCER PROGRESSION**

Chair: Karen Vousden

09:00 **Marcus Goncalves**

Weill Cornell Medicine, USA

'Lung cancer induced metabolic derangements driving cachexia'

Q&A: 09:20 - 09:30

09:30 **Alejo Efeyan**

CNIO, Spain

'Nutrient signaling in cancer cells and in the stroma – the Goldilocks effect'

Q&A: 09:50 - 10:00

10:00 **Raphael Morscher**

University Children's Hospital Zürich, Switzerland

Proffered Paper 8: "Reprogramming neuroblastoma by diet-enhanced polyamine depletion"

Q&A: 10:10 - 10:15

10:15 **COFFEE BREAK & EXHIBITION**

10:45 **Matthew Vander Heiden**

Koch Institute for Integrative Cancer Research, USA

'The influence of metabolism on cancer progression'

Q&A: 11:05 - 11:15

11:15 **CLOSING KEYNOTE LECTURE**

**Ayelet Erez**

Weizmann Institute of Science, Israel

'Exploring the tumor Macro-environment to improve cancer diagnosis and therapy'

Q&A: 11:45 - 12:00

12:00 **SUMMARY & AWARDS**

12:10 **DEPART**