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

Co-Chairs: Arkaitz Carracedo & Muhammad Bin Munim

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)
Conference speakers Naama Kanarek & Marcus 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
Co-Chairs: Matt Vander Heiden & Ying Thong Low

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**
Biogipuzkoa HRI, 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
Co-Chairs: Alexia-Ileana Zaromytidou & María Muñoz Caffarel

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

Co-Chairs: Karen Vousden & Laura Bozal Basterra

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