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