

5TH
EDITION

METABOLISM & CANCER

Nice, FRANCE

NOVEMBER
22nd - 24th
2023

WELCOME



UNIVERSITÉ
CÔTE D'AZUR



WWW.METABOLISM-CANCER.COM



**1st Cancer & Metabolism Symposium
Nice - 2014**



**2nd Cancer & Metabolism Symposium
Palavas-les-flots - 2016**



**3rd Cancer & Metabolism Symposium
Marseille- 2019**



**4th Cancer & Metabolism Symposium
Bordeaux 2021**

November 22ND 2023

12.45 PARTICIPANTS WELCOME

13.30 OPENING & INTRODUCTION

Frédéric Bost, C3M, Nice, France

SESSION 1

13.40
17.15 IMMUNOMETABOLISM

Chairmen: Jean-Emmanuel Sarry & Jean-Ehrland Ricci

13.40 KEYNOTE LECTURE 1

Reprogramming metabolic crosstalk in tumors for anti-cancer treatment

Ping Chih Ho, Lausanne, Switzerland

14.10 SHORT COMMUNICATION 1

Improving T cell activation by limiting mitochondrial-derived ATP transfer to the cytosol

Omri Yosef, Jerusalem, Israel

14.25 Mechanisms of resistance to amino acid targeting in B-cell lymphomas

Johanna Chiche, Nice, France

14.45 KEYNOTE LECTURE 2

Harnessing tumor metabolism to overcome immunosuppression

Massimiliano Mazzone, Leuven, Belgium

15.15 SHORT COMMUNICATION 2

Unraveling the Impact of Muscle Heme Metabolism on Tumor Microenvironment and Pre-metastatic Niche

Alessio Menga, Turin, Italy

15.30 Dissecting the role of arginine pathway in melanoma aggressiveness and therapy resistance

Michael Cerezo, Nice, France

15.50 Coffee break

16.20 SHORT COMMUNICATION 3

Plasticity of one-carbon metabolism and its exploitation for toxic folate trapping in cancer cells

Johannes Meiser, Strassen, Luxembourg

16.35 *Maxim N. Artyomov, Saint Louis, USA*

16.55 Importance of metabolism in mast cell regulation: from allergy to leukemia.

Fabienne Brenet, Marseille, France

SESSION

17.15 Bioenergetic of Hypoxic Glycolysis controls tumors, pathogens, immunity and tissue repair - Genetic deconstruction and therapeutic perspectives

Chairmen: Nathalie Mazure & Laurent Le Cam

Special Guest : Jacques Pouysségur, Nice, France

17.45
19.30

POSTERS SESSION 1 & COCKTAIL

November 23RD 2023

SESSION 2

9.00
12.15 **DRUG RESISTANCE / FERROPTOSIS / METABOLISM**

Chairmen: Alice Carrier & Laurent Le Cam

9.00 KEYNOTE LECTURE 3

Unexpected Guardians: 5,7-Unsaturated Sterols as Cytoprotective Metabolites

Pedro Friedmann Angeli, Würzburg, Germany

9.30 An Atlas of Ferroptosis-induced Secretomes

Silvia Von Karstedt, Cologne, Germany

9.50 SHORT COMMUNICATION 4

Cancer-associated fibroblast-induced lipid metabolic reprogramming promotes drug resistance in ALK-driven lung adenocarcinomas

Ann-Kathrin Daum, Heidelberg, Germany

10.05 Host and tumor metabolism driving drug resistance in acute myeloid leukemia

Jean-Emmanuel Sarry, Toulouse, France

10.35 Coffee break

11.05 Metabolic stress in the tumor microenvironment

Cristina Muñoz-Pinedo, Barcelona, Spain

11.25 Deciphering the metabolic determinants of GBM cell adaptation to stress

Erika Cosset, Lyon, France

11.45 SHORT COMMUNICATION 5

Overcoming resistance to venetoclax in AML: a radical approach

Vittoria Raimondi, Padova, Italy

12.15 Editors short presentation

*Luca Gasparoli, CELLPRESS
Alfredo Giménez-Cassina, Nature Metabolism
Daniel Klimmeck, EMBO Journal*



12.30 Lunch

13.15 Round Table with the Editors

SESSION 3

14.30
17.15 **THERAPY, TARGET AND METABOLISM**

Chairmen: Stéphane Rocchi & Rodrigue Rossignol

14.30 KEYNOTE LECTURE 4

The multiple faces of two-carbon metabolism in cancer progression and therapeutic

Eyal Gottlieb, Houston, USA

15.00 SHORT COMMUNICATION 6

Targeting Metabolic Dependencies of Translation in Neuroblastoma

Raphael Morscher, Zürich, Switzerland

15.15 Glutamine addiction in the CLL microenvironment; towards therapeutic applications and a PET tracer as a novel diagnostic tool

Eric Eldering, Amsterdam, The Netherlands

15.35 Coffee break

16.10 Non-canonical micropeptides in rewiring mitochondria function of head and neck cancer

Anna Sablina, Leuven, Belgium

16.40 SHORT COMMUNICATION 7

A metabolic synthetic lethality revealed by PI3K addiction in leukemia

Guillaume Andrieu, Paris, France

16.55 Unexpected Activation of the Bile Acid pathway! Cholesterol a key metabolite in ccRCC tumorigenesis

Romain Riscal, Montpellier, France

17.15
19.30 **POSTERS SESSION 2 & COCKTAIL**

17.20 INDUSTRY TALKS

17.20 Explore Agilent immuno-oncology research tools for assessing real-time cell function, phenotype, and fate

Damien Brechet



17.25 High-throughput phenotyping for your cells

Gaëtan Podeur



17.30 Precision medicine enabled by quantitative metabolomics

Carlos Malpica



20.00 CONGRESS DINNER - HÔTEL ASTON

9.00
12.00

SESSION 4

MICROENVIRONMENT METASTASIS

Chairwomen: Nathalie Mazure & Sophie Vasseur

9.00 KEYNOTE LECTURE 5

Metabolic rewiring driving metastasis formation

Sarah-Maria Fendt, Leuven, Belgium

9.30 SHORT COMMUNICATION 8

Mechano-dependent sorbitol accumulation supports biomolecular condensate

Stéphanie Torrino, Nice, France

9.45 SHORT COMMUNICATION 9

A metabolic crosstalk occurs between human bone marrow adipocytes and prostate cancer cells

Marine Hernandez, Toulouse

10.00 The BMP signaling differently affects stem cell functions depending on their resident tissue: from in breast early transformation to bone marrow metastatic cells dormancy

Véronique Maguer-Satta, Lyon, France

10.30 Coffee break

11.00 Migration, mechanosensing and metabolism in pancreatic ductal adenocarcinoma invasion and metastasis

Laura Machesky, Glasgow, UK

11.20 How glioblastoma cells adapt their metabolism when colonizing the brain ?

Thomas Daubon, Bordeaux, France

11.40 KEYNOTE LECTURE 6

Metabolic Alterations in Tumor and Host in Cancer

Eileen White, New Brunswick, USA

12.10

POSTERS / ORAL COMMUNICATION PRIZES

Frédéric Bost, C3M, Nice

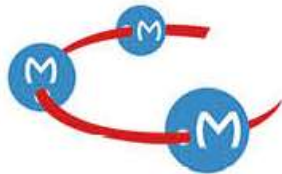


End of the meeting

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