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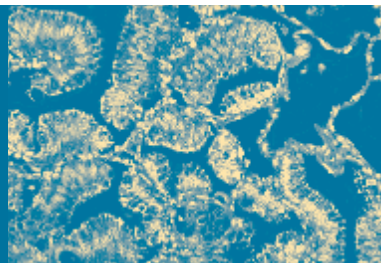
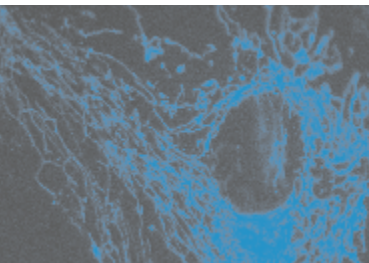
# METABOLISM & CANCER

Nice, FRANCE



## Final Program

NOVEMBER  
22<sup>nd</sup> - 24<sup>th</sup>  
2023



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## MAIN TOPICS

- IMMUNOMETABOLISM
- DRUG RESISTANCE, FERROPTOSIS & METABOLISM
- THERAPY AND METABOLISM
- MICROENVIRONMENT

# Final Program

November 22<sup>ND</sup> 2023

12.45 PARTICIPANTS WELCOME

13.30 OPENING & INTRODUCTION

*Frédéric Bost, C3M, Nice, France*

13.40  
17.15 **SESSION 1**  
**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*



# November 22<sup>ND</sup> 2023



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## 14.45 KEYNOTE LECTURE 2

**Harnessing tumor metabolism to overcome immunosuppression**

*Massimiliano Mazzone, Leuven, Belgium*

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## 15.15 SHORT COMMUNICATION 2

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

*Alessio Menga, Turin, Italy*

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

*Michael Cerezo, Nice, France*

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## 15.50 **Coffee break**

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## 16.20 SHORT COMMUNICATION 3

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

*Johannes Meiser, Strassen, Luxembourg*

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

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

*Fabienne Brenet, Marseille, France*

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## 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*

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17.45  
19.30

**POSTERS SESSION 1 & COCKTAIL**



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How to cross the translation barrier with metabolomics in cancer treatment

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November 23<sup>RD</sup> 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*

 CellPress

nature  
metabolism



**12.30 Lunch**

**13.15 Round Table with the Editors**





# November 23<sup>RD</sup> 2023

14.30  
17.15

## SESSION 3

### 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

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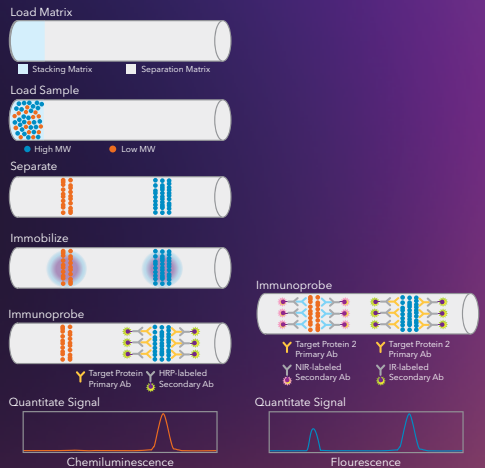


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November 24<sup>TH</sup> 2023

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 Torino, 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*



November 24<sup>TH</sup> 2023

12.10

## POSTERS / ORAL COMMUNICATION PRIZES

*Frédéric Bost, C3M, Nice*



End of the meeting



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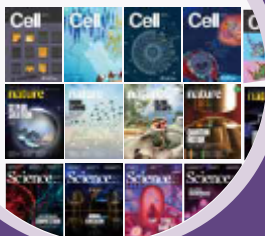
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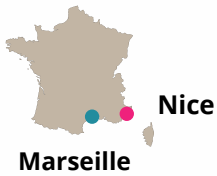
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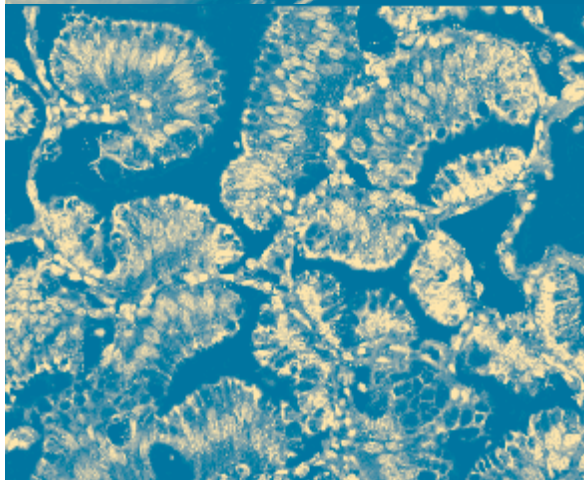
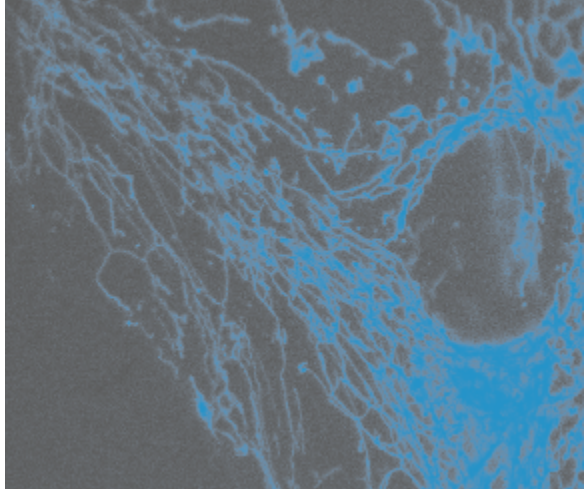
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