

MetaBoDay

May 9th, 2023

Domaine du Haut-Carré
(Talence)



Département de recherche
Sciences de
l'environnement

Département de recherche
STS | Sciences
et technologies
pour la santé

Département de recherche
SBM | Sciences
biologiques et médicales

université
de BORDEAUX

Organizing Committee

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Didier Lacombe,
Benoît Pinson,
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Christophe Rocher,
Déborah Tribouillard-Tanvier,
Marija Vlaski

Thanks to

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Program

INTRODUCTION

09H00 - CHRISTOPHE ROCHER / DÉBORAH TRIBOUILLARD-TANVIER

SESSION 1

MODERATOR – DÉBORAH TRIBOUILLARD-TANVIER (IBGC, BORDEAUX)

- 09H05 - Lerouley Orane (IBGC, Bordeaux): *Metabolic importance of the endogenous ATP synthase inhibitor (IF1)*
- 09H20 - Fernandez Moncada Ignacio (Magendie, Bordeaux): *A lactate-dependent shift of glycolysis mediates synaptic and cognitive processes*
- 9H35 - Frédéric Bouillaud (Institut Cochin, Paris): *Cellular respiration, leaks and bad pumps*
- INVITED SPEAKER•
- 10H05 - Colombié Sophie (INRAE BFP, Villenave d'Ornon): *Fruit species comparison: metabolic fluxes estimated by constraint-based modelling throughout development highlights nitrogen metabolism in the growth-defense trade-off*

10H20-10H50: BREAK & SPONSORS

SESSION 2

MODERATOR – LUC PELLERIN (IRMETIST, POITIERS)

- 10H50 - Vélez Emilio J (NuMeA, Saint Pée sur Nivelle): *Fishing for clues of the role of chaperone-mediated autophagy in hyperglycemia-induced stress*
- 11H05 - Villéger Romain (UMR 7267, Poitiers): *Disruption of retinol-mediated IL-6 expression in colon cancer-associated fibroblasts: new perspectives on the role of vitamin A metabolism*
- 11H20 - Rosa Chiara Paolicelli (UNIL, Lausanne): *Lactate and MCT4 in the control of microglial function* •INVITED SPEAKER•
- 11H50 - Bouzier-Sore Anne-Karine (CRMSB, Bordeaux): *Monocarboxylate transporters and Lactate in the brain: From cognition to neuroprotection*

12H05 - 12H15: METABO-NA PRESENTATION

LUC PELLERIN / SOPHIE COLOMBIÉ (BFP, BORDEAUX)

12H15-13H30: BREAK & SPONSORS

SESSION 3

MODERATOR – DIDIER LACOMBE (MRGM, BORDEAUX)

- 13H30 - GALVIS Johanna (IBGC, Bordeaux): *Integrative analysis of labeled targeted metabolomic and RNAseq transcriptomic data reveals metabolic plasticity in glioblastoma*
- 13H45 - Refeyton Alice (MRGM, Bordeaux): *Functional proteomic and metabolic profile of Mesenchymal Stem Cells in ischemia-like environment*
- 14H00 - Dominique Germain (APHP – Paris): *Novel therapeutic options for Fabry disease.*
- INVITED SPEAKER •
- 14H30 - Merched Aksam (BRIC, Bordeaux): *Turning lipid addiction of liver cancer to deadly overdose*

14H45-15H15: BREAK & SPONSORS

SESSION 4

MODERATOR – MARIJA VLASKI (EFS NOUVELLE AQUITAINE ; MRGM, UNIVERSITÉ DE BORDEAUX)

- 15H15 - Le Garrec Soizig (NuMeA, Saint Pée sur Nivelle): *Nutritional-induced Amino Acid Transporters dysregulation in Rainbow Trout: the butterfly effect on global Amino Acid homeostasis?*
- 15H30 - Chapeau Dorian (CBMN, Bordeaux): *Microfluidic muscle-islet-on-chip for functional investigations in diabetology*
- 15H45 - Jean-Emmanuel Sarry (CRCT, Toulouse): *Metabolic adaptations driving drug resistance in cancer: from basic studies to clinical perspectives* • INVITED SPEAKER •
- 16H15 - Larrieu Claire (IBGC, Bordeaux): *Role of lactate metabolism in glioblastoma development and relapse*

CONCLUDING REMARK

16H30 - CHRISTOPHE ROCHER / DÉBORAH TRIBOUILLARD-TANVIER