"METABOLISM & CANCER"

25-26 september 2014

Le Saint-Paul Hôtel, Nice - France

SCIENTIFIC COMMITTEE

Frédéric Bost, C3M, Nice
Laurent Le Cam, IRCM, Montpellier
Nathalie Mazure, IRCAN, Nice
Jean-Ehrland Ricci, C3M, Nice
Stéphane Rocchi, C3M, Nice
Rodrigue Rossignol, MRGM, Bordeaux
Jean-Emmanuel Sarry, CRCT, Toulouse
Sophie Vasseur, CRCM, Marseille

LOCAL ORGANIZING COMMITTEE

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ONLINE REGISTRATION

www.canceropole-paca.fr

INFORMATION

canceropole-paca@univ-amu.fr

CONGRESS VENUE

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Thursday 25 September

SESSION I — **HYPOXIA**
Chairs — N. Mazure - S. Vasseur - L. Le Cam

14:00-14:40 — **Lecture**
C. Simon (University of Pennsylvania, USA)
«Renal Cancer Metabolic Adaptations for Tumor Growth»

14:40-15:00 — **P. Marchetti** (Inserm U837, Lille, France)
«Targeting mitochondrial metabolism in melanoma therapy»

15:00-15:20 — **P. Sonveaux** (Catholic University of Louvain, Belgium)
«Mitochondria in cancer metastasis : license to drive»

15:20-15:40 — **I. Marchiq** (Institute for Research on Cancer and Aging, Nice, France)
«Genetic Disruption of Lactate-H + Symporters (MCTs) and their Subunit CD147/Basigin Sensitizes Glycolytic Tumor Cells to Phenformin»

15:40-16:00 — **C. Michiels** (University of Namur, Belgium)
«Hypoxia counteracts taxol-induced apoptosis in cancer cells: role of autophagy»

16:00-16:30 — *Break*

16:30-16:50 — **JC. Portais** (LISBP, University of Toulouse, France)
«Comprehensive analysis of metabolic systems»

16:50-17:10 — **E. Griessinger** (Mediterranean Center for Molecular Medicine, Nice, France)
«Protective mitochondrial transfer from bone marrow stromal to Acute Myeloid Leukemic cells during chemotherapy»

17:10-17:40 — **Lecture**
J. Pouysségur (Institute for Research on Cancer and Aging, Nice, France)
«Hypoxia Signaling and Tumor Metabolism - Novel anticancer approaches»

17:40-18:00 — **C. Frezza** (University of Cambridge, Cambridge, UK)
«Metabolism and cancer : the application with the SeaHorse XFe»

18:00-18:30 — **C. Hart** (Threshold Pharmaceuticals, South San Francisco, California, USA)
«The Hallmarks of Cancer" and tumor hypoxia: selective targeting of hypoxic cancer cells with the hypoxia-activated prodrug (HAP) TH-302»

18:30 — Poster session

20:00 — *Cocktail & Gala Dinner (Castel Restaurant)*

Friday 26 September

SESSION II — **MITOCHONDRIA**
Chairs — JE. Ricci – JE. Sarry

9:00-9:40 — **Lecture**
M. Pollak (Mc Gill University, Montréal, Canada)
«Current questions regarding the use of biguanides in oncology»

9:40-10:00 — **C. Pecqueur** (Cancer Research Center of Nantes-Angers, France)
«Targeting metabolism in the treatment of glioblastome multiform»

10:00-10:20 — **R. Rossignol** (University of Bordeaux, France)
«Common themes in the metabolic remodeling driven by oncogenic RAS or by glucose deprivation»

10:20-10:40 — **P. Estevès** (Cochin Institute, Paris, France)
«Mitochondrial retrograde signaling mediated by UCP2 inhibits cancer cell proliferation and tumorigenesis»

10:40-11:10 — *Break*

11:10-11:30 — **JS. Annicotte** (European Genomic Institute for Diabetes, Lille, France)
«Murine Cdkn2a knock down protects from obesity and type 2 diabetes through oxidative metabolism modulation»

11:30-12:10 — **Lecture**
L. Fajas (University of Lausanne, Switzerland)
«Cell cycle regulators coordinate the metabolic switch in normal and in cancer cells»

SESSION III — **AMPK/mTOR**
Chairs — S. Rocchi - F. Bost

13:40-14:20 — **Lecture**
JC. Martinou (University of Geneva, Switzerland)
«The mitochondrial pyruvate carrier: regulation of its activity in cancer cell metabolism»

14:20-14:40 — **M. Pende** (IRNEM, Inserm U845, Paris, France)
«mTOR pathophysiology in rare human diseases of growth and metabolism»

14:40-15:00 — **R. Duran** (European Institute of Chemistry and Biology, Bordeaux, France)
«Crosstalk between mTOR signaling and the metabolism of glutamine in cancer cells»

15:00-15:20 — **R. Riscal** (Institute of Cancer Research Montpellier, France)
«The Mdm2 oncogene regulates metabolism through p53-independent recruitment on chromatin»

15:20-15:50 — *Break*

15:50-16:20 — **M. Billaud** (Institute Albert Bonniot, Grenoble, France)
«Novel biguanides target LKB1-deficient cancer cells»

16:20-17:00 — **I. Ben-Sahra** (Harvard School of Public Health, Boston, USA)
«mTORC1 stimulates nucleotide synthesis through both transcriptional and post-translational mechanisms»

C. Féral (Institute for Research on Cancer and Aging, Nice, France)
«CD98hc controls cellular amino acid content: role in cell survival, proliferation and tumorigenesis»

17:00-17:50 — **Lecture**
B. Manning (Harvard School of Public Health, Boston, USA)
«The TSC-mTOR network links oncogenic signaling to cancer metabolism»

18:00 — *End of the symposium*