

METABOLISM & CANCER

22-23 September
2016 |
Palavas-les-Flots
France

Thursday September 22nd, 2016

- 09:00 Registration
- 10:00-12:30 Session I - TECHNOLOGICAL WORKSHOP: FLUXOMICS**
Chairs: **Jean-Charles Portais** (LISBP, University of Toulouse, France) & **Jean-Emmanuel Sarry**
- 10:00 Welcome - workshop
- 10:10 Lecture: A perfect match: how the nutrient microenvironment supports cancer metabolism, Sara-Maria Fendt** (VIB, Leuven, Belgium)
- 10:40 Energy metabolism in skin cancer initiation, Hamid Rezvani** (INSERM U1035, Bordeaux, France)
- 11:00 Genome scale network modelling, from observations to predictions, Fabien Jourdan** (INRA, UMR1331, Toulouse, France)
- 11:20 Extracellular matrix catabolism is critical for pancreatic cancer metabolism, Sophie Vasseur** (Cancer Research Center of Marseille, France)
- 11:40 Metabolic flexibility in acute myeloid leukemia with IDH mutation, Lucille Stuani** (Cancer Research Center of Toulouse, France)
- 12:00 Round table**
- 12:30 Lunch**
- 14:00 Welcome - symposium
- 14:10-18:10 Session II - MICROENVIRONNEMENT, METABOLIC HETEROGENEITY, STEM CELLS**
Chairs: **Raul Duran & Sophie Vasseur**
- 14:10 Lecture: Hematopoiesis under stress, Toshio Suda** (Cancer Science Institute of Singapore)
- 14:50 Adipocytes and Cancer: a dangerous duo, Cathy Muller** (Institute of Pharmacology and Structural Biology, Toulouse, France)
- 15:10 Proline metabolism supports lung metastasis formation, Ilaria Elia** (VIB, Leuven, Belgium)
- 15:30 Metabolic reprogramming conditions hematopoietic stem cell lineage differentiation, Manuela Romano** (Institute of Molecular Genetics of Montpellier, France)
- 15:50 Break**
- 16:20 Targeting glucose and lipid metabolism in cancer, Almut Schulze** (Biocenter, Würzburg, Germany)
- 17:00 Glucocorticoid-GFPT2 axis controls homeostasis and stemness features of mammary cancer cells, Arnaud Vigneron** (Cancer research center of Lyon, France)
- 17:20 Therapeutic implications of cellular heterogeneity and plasticity in pancreatic cancer, Christopher Heeschen** (Barts Cancer Institute, London, United Kingdom)
- 18:00-19:40 Poster session**
- 20:30 Cocktail & Gala Dinner**

SCIENTIFIC COMMITTEE

Frédéric Bost, C3M, Nice
Raul Duran, IECB, Bordeaux
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

ONLINE REGISTRATION

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INFORMATION

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CONGRESS VENUE

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Friday September 23rd, 2016

- 09:00-12:15 Session III - MITOCHONDRIA**
Chairs: **Frédéric Bost & Nathalie Mazure**
- 09:00 Lecture: Mitochondria and metabolism, Toren Finkel** (Laboratory of Molecular Biology, NIH, National Heart, Lung, and Blood Institute, Bethesda, USA)
- 09:40 Regulation of mitochondrial physiology by HRAS: implication for non-canonical serine biosynthesis, Rodrigue Rossignol** (MRGM, Bordeaux, France)
- 10:00 Transfer of mitochondria, via tunneling nanotubes, between mesenchymal stem cells and glioblastoma stem cells, Marie-Luce Vignais** (INSERM U1183 and Institute for Regenerative Medicine and Biotherapy, Montpellier, France)
- 10:20 The mitochondrial shaping protein Optic Atrophy 1 (OPA1) controls angiogenesis, lymphangiogenesis and tumor growth, Stéphanie Herkenne** (Venetian Institute of Molecular Medicine, Padova, Italy)
- 10:40 Break**
- 11:10 Mitochondrial deficiencies in the predisposition to paragangliomas, Judith Favier** (Cardiovascular Research Center HEGP, Paris, France)
- 11:35 Suppression of UCP2 promotes colorectal cancer by inducing metabolic reprogramming and immune evasion, Esther Aguilar-Fado** (INSERM U1016, CNRS UMR8104, Université Paris Descartes, France)
- 11:55 Targeting isocitrate dehydrogenase (IDH)1 and IDH2 mutations: Clinical results in advanced hematologic malignancies, Stéphane de Botton** (Institut Gustave Roussy, Villejuif, France)
- 12:15 Lunch**
- 13:45-17:30 Session IV - SIGNALING IN METABOLISM**
Chairs: **Stéphane Rocchi & Rodrigue Rossignol**
- 13:45 Lecture: The LKB1-AMPK pathway: stress is sometimes good for you, Reuben Shaw** (Salk Institute for Biological Studies, San Diego, USA)
- 14:25 Metabolism and cancer: from cell signaling to therapeutic response, Jean-Ehrland Ricci** (Mediterranean Centre for Molecular Medicine, Nice, France)
- 14:45 LKB1-mediated regulation of glutamine synthesis is essential for glial cell differentiation, Chantal Thibert** (Institut for Advanced Biosciences (IAB), Grenoble, France)
- 15:05 Targeting tumor metabolism: the AMPK paradox, Benoit Viollet** (Institut Cochin, Paris, France)
- 15:25 Break**
- 16:00 The MDM2 oncoprotein regulates metabolism independently of p53, Laurent Le Cam** (Institute of Cancer Research of Montpellier, France)
- 16:20 Nuclear receptors and AP-1 (Fos/Jun): from hepatic lipid metabolism to liver cancer, Latifa Bakiri** (CNIO, Madrid, Spain)
- 16:40 HNF1a acts as a suppressor in steatosis associated liver cancer by repressing PPARγ, Ganna Panasyuk** (INSERM U1151, Institut Necker Enfants Malades, Paris, France)
- 17:00 Metabolic inflammation in NASH and HCC development, Nabil Djouder** (CNIO, Madrid, Spain)
- 17:30 Best talk and best poster awards**
- 18:00 End of the meeting**

