

# 1st SUNRISE Meeting

## November 18 & 19, 2015

Institut Paoli-Calmettes, Marseille

The meeting aims at fostering interactions between researchers and clinicians studying cancer stem cells in solid tumors. It is devoted to scientists, doctors and students, developing research projects to study the biology, the dissemination, the plasticity and the drug resistance of cancer stem cells in solid tumors.

### SCIENTIFIC COMMITTEE

E. Charafe-Jauffret, C. Ginestier - Centre de Recherche en Cancérologie de Marseille, France

J. Pannequin, JM. Pascussi - Institut de Génomique Fonctionnelle, Montpellier, France

T. Virolle - Institut de Biologie Valrose, Nice, France

## Wednesday, November 18

13h00 Welcome coffee

13h30 **OPENING AND WELCOME BY THE SCIENTIFIC COMMITTEE**

14h00 **THE ROLE OF CANCER STEM CELLS IN TUMOR PROGRESSION**

**R. Fodde** - Department of pathology, Erasmus MC Cancer Institute, Rotterdam, The Netherland  
«Multi-tasking Paneth-like cells in the intestinal epithelium : stem cells and niche factors in homeostasis, inflammation and cancer»

**P. Jay** - Institut de Génomique Fonctionnelle, Montpellier, France  
«Stem cells and differentiated cells in intestinal tumorigenesis»

**A. Puisieux** - Centre de Recherche en Cancérologie de Lyon, France  
«Expression of EMT inducers in the cell-of-origin determines the natural history of breast tumorigenesis»

**G. Guasch** - Centre de Recherche en Cancérologie de Marseille, France  
«Cancer Stem Cell Invasion In Transitional Epithelial Squamous Cell Carcinoma»

**J. Pannequin** - Institut de Génomique Fonctionnelle, Montpellier, France  
«Circulating tumor cell ex-vivo culture from patient with colorectal cancer display cancer stem cell hall-marks»

16h30 Coffee break

17h00 **PLACTICITY / MICROENVIRONNEMENT**

**C. Scheel** - Helmholtz Center Munich, Institute of Stem Cell Research, Neurherberg, Germany  
«Epithelial plasticity induced by transient Twist1 activity»

**T. Virolle** - Institut de Biologie Valrose, Nice, France  
«A DOCK4/beta-catenin/micro-RNA-302-367 regulatory circuitry drives GBM intra-tumor heterogeneity by promoting cell differentiation»

**S. Guelfi** - Institut des Neurosciences de Montpellier, France  
«Molecular mechanisms of Notch1-induced pericyte-like transdifferentiation of glioblastoma stem cells»

**O. Kranenburg** - Regenerative Medicine, UMC Utrecht, The Netherland  
«A hypoxic niche for colon cancer stem cells»

19h00 **POSTERS SESSION / APPETIZER**

20h00 End of day

8h00 Welcome coffee

## 8h30 CSC AND THERAPEUTIC RESISTANCE

**G. Stassi** - Surgical and Oncological Sciences, University of Palermo, Italy  
«Cancer stem cells: from bench to bedside»

**JM. Pascussi** - Institut de Génomique Fonctionnelle, Montpellier, France  
«Pregnane X-receptor expression in cancer stem cells drives post-treatment tumor recurrence in colon cancer»

**D. Maiorano** - Institut de Génétique Humaine, Montpellier, France  
«Exploring the DNA damage tolerance pathway in the sensibilization of cancer stem cells to DNA damage»

**I. Mus-Veteau** - Institut de Pharmacologie Moléculaire et Cellulaire, Valbonne, France  
«The Hedgehog receptor Patched: a new drug efflux pump involved in chemotherapy resistance of Cancer Stem Cells»

10h10 Coffee break

## 10h40 TARGETING CSC

**H. Chneiweiss** - Centre de Recherche Neurosciences Paris Seine, Paris, France  
«A novel link between metabolism and epigenetic regulation to oppose glioma progression»

**E. Charafe-Jauffret** - Centre de Recherche en Cancérologie de Marseille, France  
«STEM cell drug sensitivity screening for Resistant And Metastatic breast cancer care»

**M. Mehrpour** - Institut Necker Enfants-Malades (INEM), Paris, France  
«Role of autophagy in breast cancer stem cells and their targeting in cancer therapy»

**R. Berges** - Centre de Recherche en Oncologie biologique et Oncopharmacologie, Marseille, France  
«The novel tubulin-binding 'tumor checkpoint controller' BAL101553 exerts EB1 expression-dependent antitumor effects on glioblastoma stem-like cells in vitro and in vivo»

**A. Tchoghandjian** - Centre de Recherche en Oncologie biologique et Oncopharmacologie, Marseille, France  
«A2B5<sup>+</sup> cells as cancer stem-like cells in glioblastomas»

## 12h40 THE EXPERIENCE OF EUROCANCER STEM CELL NETWORK

**H. Chneiweiss** - Centre de Recherche Neurosciences Paris Seine, Paris, France

13h00 Lunch

## 14h00 CSC AND SIGNALLING

**M. Cordenonsi** - Department of Molecular Medicine, Padova, Italy  
«YAP/TAZ as determinants of the Cancer Stem Cell phenotype»

**N. Arsic** - Centre de Recherche en Biochimie Macromoléculaire, Montpellier, France  
«Functional and structural similarities between WT delta133beta isoforms and mutant R175H p53»

**C. Maurange** - Institut de Biologie du Développement de Marseille, France  
«Developmental origin of cancer stem cells in a Drosophila model of pediatric neural tumor»

**C. Ginestier** - Centre de Recherche en Cancérologie de Marseille, France  
«The role of MicroRNA-600 in the regulation of breast cancer stem cells via Wnt/b-catenin signaling»

## 15h30 CONCLUSIONS AND CLOSING

## PARTNERS

