

STEM CELLS & CANCER

2nd

SUNRISE MEETING

MONDAY JUNE 26th

**JUNE 26-27th
2017 |
Montpellier,
Genopolys**



- 12:30 pm Welcome Coffee
- 1:35 pm **Opening and Welcome by the scientific committee**
E. Charafe-Jauffret, C. Ginestier, J. Pannequin, J.M. Pascussi, T. Virolle
- 1:45 pm **SESSION 1 - TARGETING CANCER STEM CELLS**
Opening Lecture - Targeting Breast Cancer Stem Cells: Challenges and Opportunities
- **Max WICHA**, University of Michigan Comprehensive Cancer Center, Ann Arbor, USA
- 2:25 pm MET inhibition overcomes radiation resistance of glioblastoma stem-like cells
- **Francesca DE BACCO**, Institute for Cancer Research at Candiolo, Italy
- 2:40 pm CXCL1 and CCL5, induced by ionizing radiation, reprogram non-tumorigenic cancer cells into cancer stem cells in breast cancer
- **Chann LAGADEC**, INSERM U908, Lille, France
- 3:10 pm miR-148a inhibits colon cancer stem cell properties by targeting Pregnane X- Receptor signaling
- **Chris PLANQUE**, Institute for Functional Genomics, Montpellier, France
- 3:25 pm Breast cancer stem cells resist to DNA replication stress by promoting homologous recombination
- **Violette AZZONI**, Cancer Research Centre of Marseille, France
- 3:40 pm Smart screening libraries and successful medicinal chemistry
- **Marie-Louise JUNG**, Prestwick Chemical, Illkirch, Fr

- 3:55-4:40 pm Coffee break
- 4:40 pm **SESSION 2 -TRANSITION BETWEEN NORMAL AND MALIGNANT TISSUE**
Lecture: Clonal analysis during embryonic mammary gland development reveals the existence of unipotent stem cells that retain long-term plasticity
- **Silvia FRE**, Curie Institute, Paris, France
- 5:20 pm s-SHIP promoter expression identifies a putative cancer stem cell population in C3(1)/Tag murine mammary tumors - **Lu TIAN**, Institute of Biology, Lille, France
- 5:35 pm Cancer stem cell regulatory mechanisms change during skin squamous cell carcinoma progression
- **Purificación MUÑOZ**, Bellvitge Biomedical Research Institute, Barcelona, Spain
- 5:50 pm BMPs and pollutants: a dual perverse effect on both mammary epithelial stem cells and their niche
- **Véronique MAGUER-SATTA**, Cancer research Center of Lyon, France
- 6:05 pm **Lecture: RAF signaling in melanocyte stem cells and melanoma**
- **Alain EYCHENE**, Curie Institute, Paris, France
- 7:00 pm **Optional: Bus departure - Visit and Cocktail - "Puech-Haut" Wine Estate**

TUESDAY JUNE 27th

- 8:00 -8:30 am Coffee
- 8:30 am **SESSION 3 - CLINICAL/INDUSTRIAL POINT OF VIEW**
Lecture: Effects of FAK Inhibition on Cancer Stem Cells and the Tumor Microenvironment
- **Jonathan PACHTER**, Verastem Inc., Boston, USA
- 9:10 am Radioresistance of Glioblastoma stem cells: when results from the bench explain clinical observations
- **Elizabeth Cohen-Jonathan Moyal**, Cancer Research Center of Toulouse, France
- 9:40 am Use of 3D spheroid cultures to screen for drugs targeting cancer stem cells
- **Olatz LEIS ESNAOLA**, StemTek Therapeutics, Derio, Spain
- 9:55 am The dependence receptor paradigm: from bizarre cell death mechanism to targeted therapy
- **Patrick Mehlen**, Cancer research Centre of Lyon, France
- 10:15 am Input of the new CNRS policy (« focus transfer ») on the technology transfer in the CSC field
- **Emmanuelle Le Coz- Ha-Vy Paugam**, France Innovation Scientifique et Transfert (FIST) SA, Paris, France
- 10:30-11:00 am Coffee break
- 11:00 am **SESSION 4 - CSC AND THEIR MICROENVIRONMENT**
Lecture: The cancer cell niche, how well do we know the cancer cells' neighbours?
- **Iliaria MALANCHI**, The Francis Crick Institute, London, UK
- 11:40 am Coupling of GABA metabolism and regulation of DNA epigenetic marks controls stem and proliferative cell state in glioma
- **Marie-Pierre JUNIER**, Neuroscience Laboratory, Paris, France

- 11:55 am MSC-like cells derived from osteosarcoma biopsies: tumor-initiating or -stromal cells?
- **Valérie TRICHET**, University of Nantes, France
- 12:10-2:00 pm Poster session and lunch
- 2:00 pm **SESSION 5 - GENERAL & EMERGING CONCEPTS**
Lecture: Differentiation therapy inhibits colorectal cancer by counteracting stem cell traits
- **Joerg HUELSKEN**, ISREC, Lausanne, Swiss
- 2:40 pm Cell-based therapy using miR-302-367 expressing cells represses glioblastoma development
- **Fabien ALMAIRAC**, Institute of biology Valrose, Nice, France
- 2:55 pm An iron hand over cancer stem cells
- **Raphaël RODRIGUEZ**, Curie Institute, Paris, France
- 3:10 pm Bivalent signalling controls stem cell self-renewal and coordinated differentiation
- **Fabrice LAVIAL**, Cancer Research Center of Lyon, France
- 3:40 pm Rad18 is essential for glioblastoma maintenance
- **Domenico MAIORANO**, Institute of Human Genetics, Montpellier, France
- 3:55 pm **Closing Lecture: Dynamic Complexity of Glioma Stem Cells**
- **Jérémy RICH**, Department of Medicine, Division of Regenerative Medicine, University of California, San Diego, USA
- 4:35 pm Poster award, End of the meeting

SCIENTIFIC COMMITTEE

- E. Charafe-Jauffret** - CRCM, Marseille
C. Ginestier - CRCM, Marseille
J. Pannequin - IGF, Montpellier
JM. Pascussi - IGF, Montpellier
T. Virolle - iBV, Nice

INFORMATION

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