



- 8:00-8:45 Reception of participants
- 8:45-9:00 Welcoming and Opening session, SUNRISE network presentation
- 9:00 **Opening keynote given by John DICK (University of Toronto): Stracking leukemias from the begining to the ends**
- 10:00-12:45 **Session 1 "CSC targeting" (Chairmen: John Dick, Eric Solary)**
- 10:00 **Eric Solary (Institut Gustave Roussy, Paris): A role for epigenetic alterations and mature cells of the clone in chronic myelomonocytic leukemia**
- 10:45 Jean-Emmanuel Sarry (CRCT, Toulouse): Adrenomedullin receptor CALCRL drives drug resistance of leukemic stem cells in acute myeloid leukemia
- 11:05-11:20 **Pause**
- 11:20 Dmitry Bulavin (IRCAN, Nice): DNA Damage Signaling - induced Cancer Cell Reprogramming as a Driver of Tumor Relapse
- 12:05 Sebastian Muller (Institut Curie, Paris): Metformin reveals a mitochondrial copper addiction of mesenchymal cancer cells
- 12:25 Frédéric Hollande (University of Melbourne, Australia): Post-treatment relapse and identification of novel drug sensitivity profiles in organoids from colorectal cancer liver metastases: a role for cancer stem cells?
- 12:45-14:30 **Lunch / Poster session 1 / Sponsors exhibition**
- 14:30 **Ceremony of 1st Sunrise award and acceptance speech: Raphael Rodriguez (Institut Curie, Paris)**
- 15:00-18:00 **Session 2 "Epigenetic regulation and Molecular pathways involved in normal and cancer stem cell maintenance" (Chairmen: T Virolle, Xiu-wu Bian)**
- 15:00 **Xiu-wu Bian (Southwest cancer center, China): Tumor stem cells and tumor microenvironnement**
- 15:45 Valérie Coronas (Université de Poitiers): Calcium channels regulate self-renewal of cancer stem cells in glioblastoma
- 16:05 Laurent Turchi (IBV, Nice): Concomitant loss of miR-199a-3p and EGR1 induction are the "toggle switch" of GBM cell dedifferentiation in NANOG and OCT4 positive cells
- 16:30 **Coffee break / Sponsors exhibition**
- 17:00 Carcidiag presentation: Specific detection of Cancer Stem Cells and new tumor aggressiveness gradation in colorectal cancer, using the ColoSTEM Dx kit
- 17:15 Nabila Berabez (CRCL, Lyon): Characterization of glioblastoma stem cells: identification of factors involved in their transcriptome regulation
- 17:35 Alexandre David (IGF, Montpellier): RNA epigenetic drives colorectal cancer cell fate
- 17:55 Michel Aurrand-Lions (Institut Paoli-Calmettes, Marseille): Adhesive cues involved in normal or pathological stem and progenitor cell maintenance
- 18:15 **Annual general meeting of Sunrise Network association**



- 9:00** Julio AGUIRRE-GHISO (Icahn School of medicine at Mount Sinai, USA) : Role of adult stem cell niches and primed pluripotency programs in early DCC dormancy
- 9:45-12:40** *Session 3 "Niche, Microenvironment" (Chairmen: J Aguirre Ghiso, J Van Rheenen)*
- 9:45** JacCo Van Rheenen (NKI, Amsterdam): Stem cell plasticity drives tumor growth and metastasis
- 10:30 Andrei Turtoi (IRCM, Montpellier): Tumor-Antagonizing CAF Actively Suppress Cancer Stemness: When the Niche becomes Uncomfortable
- 10:50 Marie-Luce Vignais (IRMB, Montpellier): Interactions via tunneling nanotubes and transfer of mitochondria between mesenchymal stem cells and glioblastoma stem cells
- 11:10 Florian Wegwitz (University Medical Center, Göttingen, Germany): The role of the E3 ubiquitin ligase RNF40 in HER2-positive breast cancer
- 11:30-11:45** Pause
- 11:45** François Vallette (CRCINA, Nantes): Mesenchymal stem cells: the other tumor stem cells
- 12:30 Session methodology : ACD, Serge Afonso Comprehensive RNA evaluation in tissue with RNAscope® and BaseScop™
- 12:40-14:00** Lunch / Poster session 2 / Sponsors exhibition
- 14:00-16:00** *The French Society for Stem Cell Research (FSCCR) session (Chairmen: E Charaf-jauffret, Y Yamada)*
- 14:00** Yasuhiro Yamada (University of Tokyo, Japan): Dissecting cancer biology with iPS cell technology
- 14:45 Emmanuel Nivet (Institute of NeuroPhysiopathology, Marseille): Human Induced Pluripotent Stem Cells for the establishment of Glioma Cancer Stem Cell Models
- 15:05 Mathieu Fieldes (Institute for Regenerative Medicine and Biotherapy, Montpellier): Modelling airway epithelium using human induced pluripotent stem cell
- 15:35 Hervé Acloque (INRA, Toulouse): Effect of chronic jetlag induced circadian disruption in breast cancer progression
- 16:00-16:30** Break Coffee break / Sponsors exhibition
- 16:30-16:45 Best poster awards
- 16:45-17:30** Closing session Eduard BATLLE (IRB, Barcelona): Cancer Stem Cells, Immune Evasion and Metastasis in Colorectal
- 17:30-17:45 Conclusion, key highlights and outcomes from the 3rd SUNRiSE meeting