

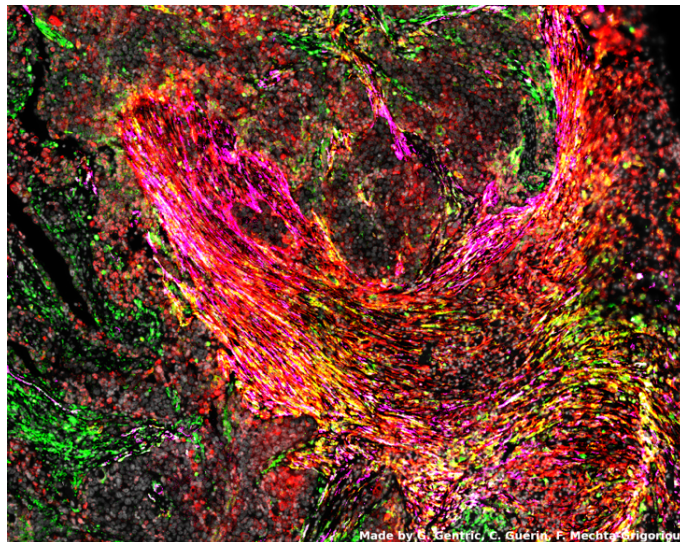


**8th annual meeting of GDR 3697 MICRONIT
« Microenvironment of Tumor Niches »**



**2st annual meeting of FSTM
« French Society of Tumor Microenvironment »**

PROGRAM



**Le Croisic (Loire-Atlantique)
December 18 – 20, 2023**

Monday, December 18, 2023

16h00 Opening of the meeting

Olivier Hérault, *director of GDR 3697 Micronit, president of FSTM*

Yvan De Launoit, *DAS CNRS 2019-2023*

Alain Eychene, *DAS CNRS 2015-2018*

Session “Regulation of niches and cross-talk”

moderators: Fatima Mechta-Grigoriou, Karl Balabanian

16h30 **Keynote:** Plastic, bisphenol and mammary stem cells in their microenvironment: chronicle of a foreseeable cancer

Véronique Maguer-Satta, UMR INSERM 1052 CNRS 5286, CRCL, Lyon

17h15 Trogocytosis of cancer-associated fibroblasts promotes pancreatic cancer growth and immune suppression via phospholipid scramblase anoctamin 6 (ANO6)

Charline Ogier, UMR1037 Team 6 MICROPANC, CRCT, Toulouse

17h35 Control of bone marrow hematopoietic niches by lymphoid cells

Mourad Ounis, INSERM UMR 1236 MOBIDIC, Rennes

17h55 Cooperation of bone morphogenesis protein (BMP) and estrogen pathways under bisphenol exposure in mammary stem cell transformation dynamics.

Laura Billon, UMR INSERM 1052 CNRS 5286, CRCL, Lyon

18h15 Bone marrow microenvironmental alterations occurring at early stages of AML development: learning from leukemic/stromal cell interactions

Cyril Fauriat, INSERM UMR1068, CNRS UMR7258, IPC, Marseille

Session “Short communications”

18h35 Targeting of MCL-1 in breast cancer-associated fibroblasts modulates extracellular matrix properties influencing luminal breast cancer cells chemoresistance.

Chloé Lefebvre, CRCI²NA, INSERM U1307, CNRS 6075, Nantes

18h45 Functional angiogenesis from human blood vessel organoid

Amira-Leiticia Idir, INSERM UMRS-MD U1197, site Hopital Paul Brousse, Villejuif

18h55 Role of CAF-derived EVs on immunosuppression & metastatic spread in breast cancer

Margot Revel, INSERM U830, Institut Curie, Paris

19h05 Interactome’s methylation of bone marrow mesenchymal stromal cells in myelodysplastic syndromes

Frédéric Picou, INSERM U1069 N2C, LNOx group, Tours

19h15 Mapping breast tumor microenvironment: proximity analysis reveals spatial relationships between macrophage subtypes and metastasis-initiating cancer cells
Eloïse Grasset, CRCI²NA, INSERM U1307, CNRS 6075, Nantes

20h00 *Dinner*

21h00 **Keynote**: Intravascular forces shape tumor metastasis
Jacky Goetz, INSERM UMR_S 1109, CRBS, Strasbourg

Tuesday, December 19, 2023

Session “New technologies and modelling”

moderators: Marie-Caroline Le Bousse-Kerdilès, Véronique Maguer-Satta

8h30 **Educational**: Heterogeneity of endothelial cells
Lucas Treps, CRCI²NA, INSERM U1307, CNRS 6075, Nantes

9h15 Spatial profiling of bone marrow vascular niche in patients with myeloproliferative neoplasms
Jimena Castorena, INSERM UMRS-MD1197 « SToRM », IAL, Villejuif

9h35 Impact of direct interactions of lung cancer cell on healthy endothelial cell in a direct co-culture model
Morgane Krejbich, CRCI²NA, INSERM U1307, CNRS 6075, Nantes

9h55 The mesenchymal stromal cells: a hub for NK immune dysregulation in MDS context
Valeria Bisio, INSERM U116 EMiLy, IRSL, Paris

10h15 *Coffee break*

10h45 **Keynote**: Unveil the role of the bone marrow vascular niche in acute leukemia
Diana Passaro, INSERM U1016, CNRS UMR8104, Institut Cochin, Paris

12h30 *Déjeuner*

Session “Tumor ecosystem”

moderators: Nathalie Mazure, Stéphane Mancini

14h00 **Keynote** : Microenvironment of myelodysplastic syndrome
Olivier Kosmider, INSERM U1016, Institut Cochin, Paris

14h45 Type 3 collagen, a potential new marker for the differential diagnosis of malignant pleural mesothelioma associated with overall patient survival
Christophe Blanquart, CRCI²NA, INSERM U1307, CNRS 6075, Nantes

- 15h05 A specific bone marrow cytokine pattern in de novo AML
François Delhommeau, INSERM UMRS938, IRSA, Paris
- 15h25 The matrisome landscape underlying the Raman spectra of human hepatocellular carcinoma stroma
Fabien Foucher, INSERM UMR 1317, Institut NuMeCan, Rennes
- 15h45 Epigenetic changes driven by KDM6B control cancer associated fibroblasts compartment
David Roulois, INSERM UMR 1236 MOBIDIC, Rennes

Pause

- 16h30 Physiological aging of the human bone marrow microenvironment and impact of clonal hematopoiesis
Noémie Ravalet, INSERM U1069 N2C, LNOx group, Tours
- 16h50 Rôle de la voie BMP dans l'émergence des cellules souches cancéreuses mammaires et l'initiation du cancer du sein basal-like
Boris Guyot, UMR INSERM 1052 CNRS 5286, CRCL, Lyon
- 17h10 Nurse-like cells sequester B cells in chronic lymphocytic leukemia lymph nodes via alternative production of CCL21
Elisabetta Dondi, INSERM U978, Bobigny

20h00 *Gala dinner*

Wednesday, December 20, 2022

Session “Tumor niches, therapeutics and resistance”

moderators: Gwendal Lazennec, Olivier Hérault

- 8h30 **Keynote:** Intra-tumoral microenvironment and cellular communication; two key drivers of pancreatic cancer aggressiveness
Richard Tomasini, INSERM U1068, CNRS UMR7258, CRCM, Marseille
- 9h15 Acquired chemoresistance in pancreatic adenocarcinoma: Mechanisms involving a stromal transcription factor of the ZBTB family
Ludmila Recoules, INSERM UMR1037, Team MICROPABC, CRCT, Toulouse
- 9h35 Chemotherapy induces TME-dependent breast cancer lung metastasis chemoresistance
Cédric Gaggioli, INSERM U1081 CNRS UMR7284, IRCAN, Nice

9h55 A novel cytostatic inhibitor of hypoxic prostate cancer cells
Siyong Peng, INSERM U1065, C3M, Nice

10h15 Residual ANTXR1+ myofibroblasts after chemotherapy inhibit anti-tumor immunity
via YAP1 signaling pathway
Rana Mhaidly, INSERM U830, Institut Curie, Paris

10h35 **General conclusion, prize-giving ceremony and future**

Olivier Hérault

Director of GDR 3697 Micronit

President of FSTM

Bureau de la FSTM

Fatima Mehta-Grigoriou, VP

Véronique Maguer-Satta, VP

Stéphane Mancini, treasurer

Gwendal Lazennec, deputy-treasurer

Nathalie Mazure, secretary

Karl Balabanian, deputy-secretary

Marie-Caroline Le Bousse-Kerdiles

Fawzia Louache