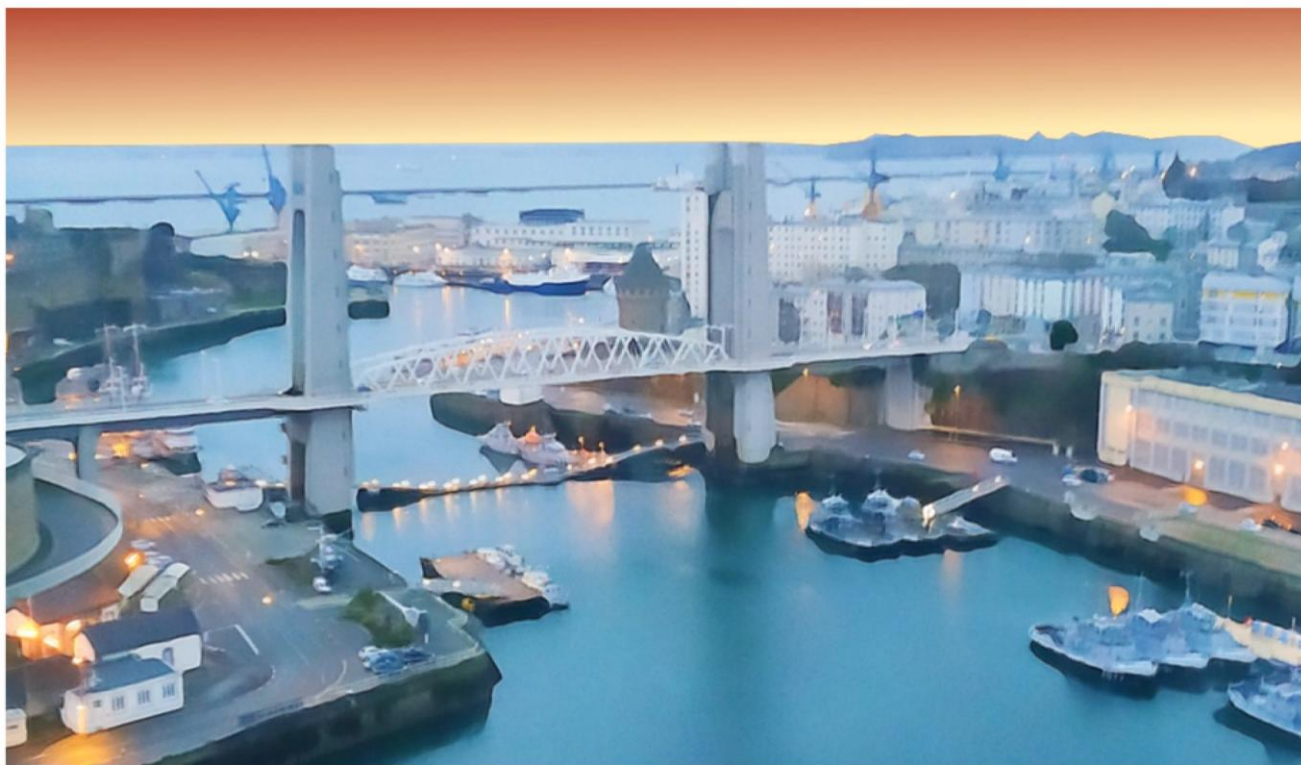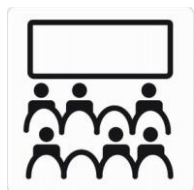# Brest Mass Days

16 & 17 March 2023

Multiplexe Liberté

10 Av. Georges Clemenceau
29200 Brest

March 16th – Session Imaging Mass Cytometry

12h30-13h	**Welcome**	
13h		**CD73+ γδ-regulatory T cells: function and social network in the tumor microenvironment** Henri-Alexandre Michaud *(Imaging and Mass Cytometry Core Facility, IRCM, Montpellier, France)*
13h30		**Spatial characterization of invasive cutaneous squamous cell carcinoma by multiparametric imaging mass cytometry** Roxane Elaldi *(UMR7275 Institut de Pharmacologie Moléculaire et Cellulaire (IPMC),Valbonne, France)*
14h		**Single-cell profiling identifies clinically relevant interactions between tumor associated macrophages and blood endothelial cells in diffuse large B cell lymphoma** Mikael Roussel *(UMR1236, MicrOenvironment and B-cell: Immunopathology cell DIfferentiation and Cancer MOBIDIC, Rennes, France)*
14h30		**Detection of truly senescent cells in tissues of giant cell arteritis and polymyalgia rheumatica patients.** Yannick van Sleen *(Department of Rheumatology and Clinical Immunology, University Medical Center Groningen, Groningen, The Netherlands)*
15h		**Dysregulation of B-cell homeostasis at the onset of immune checkpoint inhibitor toxicity in cancer patients** Soizic Garaud *(UMR1227, Lymphocyte B, Autoimmunité et Immunothérapie, LBAI, Brest, France)*
15h30-16h30	**Coffee Break**	
16h30		**Deep spatial profiling of Sjogren Syndrome patients by imaging mass cytometry** Loukas G Chatzis *(Pathophysiology Department, Athens School of Medicine, National and Kapodistrian University of Athens, Greece)*
17h		**Characterization of the immune response in ANCA vasculitis from peripheral blood to kidney infiltrating cells** Nicolas Degauque *(UMR 1064, Center for Research in Transplantation and Translational Immunology, Nantes, France.)*
17h30		**Assessment of spatial immune cells distribution in Medullary-like breast cancers and its association with breast cancer outcome** Cyril Catelain (UMS AMMICa-Plateforme Imagerie et Cytométrie, Gustave Roussy, Villejuif, France)
18h 💻		**Deconstructing myeloid cell interactions in glioblastoma using Hyperion imaging mass cytometry** Michael Haley (Division of Neuroscience and Experimental Psychology, School of Biological Sciences, Faculty of Biology, Medicine and Health, University of Manchester, Manchester, M13 9PT, United Kingdom.)
18h30 💻		**Tumor Immune Microenvironment to Predict Immunotherapy Response in Melanoma** Suhendan Ekmekcioglu (Professor, Department of Melanoma Medical Oncology - Research, Division of Cancer Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX)
19h-21h	**Cocktail**	

March 17th – Session CyTOF & Data Analysis

9h-9h30	**Welcome**
9h30	**High-dimensional analysis unveils involvement of regulatory T cells in TNBC resistance to PD 1 blockade** Stéphane Fattori (*Immunomonitoring Department, Institut Paoli-Calmettes, 13009 Marseille, France; Team Immunity and Cancer, Centre de Recherche en Cancérologie de Marseille (CRCM), Inserm, U1068, CNRS, UMR7258, Institut Paoli-Calmettes, Aix-Marseille University, UM105, 13009 Marseille, France*)
10h 🖥	**A CyTOF atlas of human cardiac immunity and it's relation with circulating leukocytes** Olivier Molendi-Coste (*PLBS, BICeL, INSERM US41, CNRS UAR2014, University of Lille, Pasteur Institute of Lille, CHRU Lille, Lille, France*)
10h30 🖥	**Double barcoding approach to minimize cell loss in Tc restimulation protocol of COVID infected patients** Magali Grange (*Centre d'Immunophénomique (CIPHE), Marseille, France*)
11h	**Integration of mass cytometry in multi-omic biomarker discovery** Brice Gaudillière (*Department of Pediatrics, Division of Neonatal and Developmental Medicine, Stanford University School of Medicine, Stanford, CA 94305, USA*)
11h30	**Brainstorming on good technical practices in Mass Cytometry** Patrice Hemon (*Flow and Mass Cytometry Core Facility (HYPERION), UMR1227, Lymphocyte B, Autoimmunité et Immunothérapie, LBAI, Brest, France*)
12h-14h	**Lunch**
14h	**Development of new segmentation tools for images generated by the Hyperion mass cytometer** Yvonne Scuiller (*UMR1227, Lymphocyte B, Autoimmunité et Immunothérapie, LBAI, Brest, France*)
14h30	**High-dimensional imaging data analysis: health path or obstacle course?** Laure-Agnes Chépeaux (*Imaging and Mass Cytometry Core Facility, IRCM, Montpellier, France*)
15h	**Imaging mass cytometry data analysis with open-source software QuPath and Cytomap** Thierry Pecot (*Biosit - UMS CNRS 3480, Inserm 018, University of Rennes, Rennes, France*)
15h30	**Comparison of open-source data normalization tools for the use on imaging mass cytometry data** Henrike Salié (*Department of Internal Medicine II, University Hospital Freiburg, Freiburg, Germany*)
16h	**End of congress**

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