Catherine Sautès-Fridman

UMRs1138
Centre de Recherche des Cordeliers
15 rue de l'Ecole de Médecine
75006 Paris, France
Catherine.fridman@sorbonne-université.fr
+33672850904

Mariée, 1 enfant
28 avenue de Saxe
75007, Paris

Diplômes

1974	Thèse Université de Paris, Faculté des Sciences

Formation de recherche

1970-1974	Stage doctoral, Hôpital Saint Louis, Centre Hayem, Dir Pr J. Bernard, laboratoire F.M. Kourilsly/Jean Dausset
1969-1970	Stage de DEA, Hôpital Saint Louis, Centre Hayem, Dir Pr J. Bernard, laboratoire F.M. Kourilsly/Jean Dausset

Formation professionnelle

1970-1974	Ligue Nationale contre le Cancer PhD fellowship recipient
1974-1999	Carrière de recherche à l'INSERM, Directrice de Recherche 1er classe en 1990
2000-2006	Professeure d'Immunologie Université Pierre et Marie Curie
2006-2015	Professeure d'Immunologie Université Paris Descartes
2015-	Professeure émérite, chercheuse bénévole Sorbonne Université

Biosketck

Catherine Sautès-Fridman (orcid.org/0000-0003-1735-8722) is Professor Emeritus at the University of Paris. Former director of the "Cancer, immunology and immunopathology" department (2007-2016) and director of the "Immunity and cancer" team (2006-2013) at CRC, she focuses her research on the heterogeneity of the immune and inflammatory components of the microenvironment tumor in human cancers to identify new prognostic and theranostic markers. She has carried out important work in several fields: that of histocompatibility antigens, demonstration of the association of HLA antigens with beta2-microglobulin and description of the 3rd histocompatibility locus in mice, H-2L and HLA-C in man, Néauport-Sautès C), work for which named winner of the Behring Metchnikoff prize in 1984, that of IgG antibody receptors (biological activity and 3D structure, Sautès C and Sautès-Fridman), and in immuno-oncology (role of IL17, spatial organization of the tumor microenvironment in kidney cancers, in particular of Tertiary Lymphoid Structures (TLS), Sautès-Fridman C). She has trained 15 doctoral students and 18 master's students. She was president of the French Society of Immunology and of the European Federation of Immunological Societies, EFIS. Promoting immunology in Europe, she founded the first European Congress of Immunology (ECI, 5000 participants) in 2006 in Paris. The ECI is today one of the most renowned international conferences in the field of immunology. She is editor-in-chief of the section "Cancer Immunology and Immunotherapy " in Frontiers in Immunology and editor-in-chief of " La Revue Immunité et cancer ".

6 principales publications (* contribution équivalente des auteurs)

ORCID : 0000-0003-1735-8722 ; 268 publications in peer review journals since 1970 h=69

1. MEYLAN M, PETITPREZ F, BECHT E, BOUGOUIN A, GIGLIOLI I,VERKARRE V, LACROIX G, VERNEAU J, SUN CM, LAURENT- PUIG P, VANO Y, ELAÏDI R, MÉJEN A, SANCHEZ-SALAS R, BARRET E, CATHELINEAU X, OUDARD S, REYNAUD CA, DE REYNIÈS A, **SAUTÈS-FRIDMAN C,** FRIDMAN WH , Tertiary lymphoid structures generate and propagate anti-tumor antibody-producing plasma cells in renal cell cancer. Immunity, in press
2. W. H. FRIDMAN, F. PETITPREZ, M.MEYLAN, WEI-WU CHEN, C.M. SUN, L.T. ROUMENINA **C. SAUTÈS-FRIDMAN**· B cells and cancer J. Exp Med, 2021, 4;218(1):e20200851.
3. PETITPREZ, A. DE REYNIÈS, E. Z. KEUNG, T.W. CHEN, C.M. SUN, J. CALDERARO, Y.M. JENG, L.P. HSIAO, L. LACROIX, A. BOUGOÜIN, M. MOREIRA, G. LACROIX, I. NATARIO, J. ADAM, C. LUCCHESI, Y. LAIZET, M. TOULMONDE, M. A. BURGESS, V. BOLEJACK, D. REINKE, K. M. WANI, W.L. WANG, A. J. LAZAR, C. L. ROLAND, J. A. WARGO, A. ITALIANO , **C. SAUTÈS-FRIDMAN**, H. A. TAWBI*, W.H. FRIDMAN*. B cells are associated to sarcoma survival and immunotherapy response Nature, 2020 577:556-560. (with News and views)

4. **SAUTÈS-FRIDMAN C**, PETITPREZ F, CALDERARO J, FRIDMAN WH. Tertiary lymphoid structures in the era of cancer immunotherapy. Nat Rev Cancer. 2019 Jun;19(6):307-325.
5. CALDERARO J, PETITPREZ F, BECHT E, LAURENT A, HIRSCH TZ, ROUSSEAU B, LUCIANI A, AMADDEO G, DERMAN J, CHARPY C, ZUCMAN-ROSSI J, FRIDMAN WH, **SAUTÈS-FRIDMAN C**. Intra-tumoral tertiary lymphoid structures are associated with a low risk of early recurrence of hepatocellular carcinoma. J Hepatol. 2019 Jan;70(1):58-65.
6. GIRALDO NA, BECHT E, VANO Y, PETITPREZ F, LACROIX L, VALIDIRE P, SANCHEZ-SALAS R, INGELS A, OUDARD S, MOATTI A, BUTTARD B, BOURASS S, GERMAIN C, CATHELINEAU X, FRIDMAN WH, **SAUTÈS-FRIDMAN C**. Tumor-Infiltrating and Peripheral Blood T-cell Immunophenotypes Predict Early Relapse in Localized Clear Cell Renal Cell Carcinoma. Clin Cancer Res. 2017 Aug 1;23(15):4416-4428