



Silvia Fre Chef d'équipe

EQUIPE FRE

silvia.fre@curie.fr Tél : +33 1 56 24 69 36

Publications clés

Année de publication : 2019

Bethan Lloyd-Lewis, Philippos Mourikis, Silvia Fre (2019 Jul 20)

Notch signalling: sensor and instructor of the microenvironment to coordinate cell fate and organ morphogenesis.

Current opinion in cell biology : 16-23 : [DOI : S0955-0674\(18\)30179-0](https://doi.org/10.1016/j.cocub.2019.06.001)

Année de publication : 2018

Anna M Lilja, Veronica Rodilla, Mathilde Huyghe, Edouard Hannezo, Camille Landragin, Olivier Renaud, Olivier Leroy, Steffen Rulands, Benjamin D Simons, Silvia Fre (2018 May 23)

Clonal analysis of Notch1-expressing cells reveals the existence of unipotent stem cells that retain long-term plasticity in the embryonic mammary gland.

Nature cell biology : [DOI : 10.1038/s41556-018-0108-1](https://doi.org/10.1038/s41556-018-0108-1)

Année de publication : 2015

María Elena Fernández-Sánchez, Sandrine Barbier, Joanne Whitehead, Gaëlle Béalle, Aude Michel, Heldmuth Latorre-Ossa, Colette Rey, Laura Fouassier, Audrey Claperon, Laura Brullé, Elodie Girard, Nicolas Servant, Thomas Rio-Frio, Hélène Marie, Sylviane Lesieur, Chantal Housset, Jean-Luc Gennisson, Mickaël Tanter, Christine Ménager, Silvia Fre, Sylvie Robine, Emmanuel Farge (2015 Jul 2)

Mechanical induction of the tumorigenic β -catenin pathway by tumour growth pressure.

Nature : 92-5 : [DOI : 10.1038/nature14329](https://doi.org/10.1038/nature14329)

Veronica Rodilla, Alessandro Dasti, Mathilde Huyghe, Daniel Lafkas, Cécile Laurent, Fabien Reyat,

La voie de signalisation Notch dans les cellules souches et les tumeurs

Silvia Fre (2015 Feb 17)

Luminal progenitors restrict their lineage potential during mammary gland development.

PLoS biology : e1002069 : [DOI : 10.1371/journal.pbio.1002069](https://doi.org/10.1371/journal.pbio.1002069)

Année de publication : 2014

Maia Chanrion, Inna Kuperstein, Cédric Barrière, Fatima El Marjou, David Cohen, Danijela Vignjevic, Lev Stimmer, Perrine Paul-Gilloteaux, Ivan Bièche, Silvina Dos Reis Tavares, Giuseppe Fulvio Boccia, Wulfran Cacheux, Didier Meseure, Silvia Fre, Loredana Martignetti, Patricia Legoux-Né, Elodie Girard, Luc Fetler, Emmanuel Barillot, Daniel Louvard, Andreï Zinovyev, Sylvie Robine (2014 Apr 9)

Concomitant Notch activation and p53 deletion trigger epithelial-to-mesenchymal transition and metastasis in mouse gut.

Nature communications : 5005 : [DOI : 10.1038/ncomms6005](https://doi.org/10.1038/ncomms6005)

Année de publication : 2013

Daniel Lafkas, Veronica Rodilla, Mathilde Huyghe, Larissa Mourao, Hippokratris Kiaris, Silvia Fre (2013 Oct 7)

Notch3 marks clonogenic mammary luminal progenitor cells in vivo.

The Journal of cell biology : 47-56 : [DOI : 10.1083/jcb.201307046](https://doi.org/10.1083/jcb.201307046)

Année de publication : 2011

Silvia Fre, Edouard Hannezo, Sanja Sale, Mathilde Huyghe, Daniel Lafkas, Holger Kissel, Angeliki Louvi, Jeffrey Greve, Daniel Louvard, Spyros Artavanis-Tsakonas (2011 Jul 5)

Notch lineages and activity in intestinal stem cells determined by a new set of knock-in mice.

PloS one : e25785 : [DOI : 10.1371/journal.pone.0025785](https://doi.org/10.1371/journal.pone.0025785)

Année de publication : 2009

Silvia Fre, S K Pallavi, Mathilde Huyghe, Marick Laé, Klaus-Peter Janssen, Sylvie Robine, Spyros Artavanis-Tsakonas, Daniel Louvard (2009 Feb 27)

Notch and Wnt signals cooperatively control cell proliferation and tumorigenesis in the intestine.

Proceedings of the National Academy of Sciences of the United States of America : 6309-14 : [DOI : 10.1073/pnas.0900427106](https://doi.org/10.1073/pnas.0900427106)

Année de publication : 2005

Silvia Fre, Mathilde Huyghe, Philippos Mourikis, Sylvie Robine, Daniel Louvard, Spyros Artavanis-



Membres de l'équipe

La voie de signalisation Notch dans les cellules souches et les tumeurs

Tsakonas (2005 Jun 16)

Notch signals control the fate of immature progenitor cells in the intestine.

Nature : 964-8