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Key publications

Year of publication 2020

Floriane Pelon, Brigitte Bourachot, Yann Kieffer, Ilaria Magagna, Fanny Mermet-Meillon, Ana Costa, Anne-Marie Givel, Youmna Attieh, Jorge Barbazan, Laetitia Fuhrmann, Stéphanie Descroix, Danijela Vignjevic, Pascal Silberzan, Isabelle Bonnet, Claire Bonneau, Maria Carla Parrini, Anne Vincent-Salomon & Fatima Mechta-Grigoriou (2020 Jan 21)

Cancer-associated fibroblast heterogeneity in axillary lymph nodes drives metastases in breast cancer through complementary mechanisms

Nature Communication : 11 : 1-20 : [DOI : 10.1038/s41467-019-14134-w](https://doi.org/10.1038/s41467-019-14134-w)

Year of publication 2019

Denis Krndija, Fatima El Marjou, Boris Guirao, Sophie Richon, Olivier Leroy, Yohanns Bellaiche, Edouard Hannezo, Danijela Matic Vignjevic. (2019 Aug 16)

Active cell migration is critical for steady-state epithelial turnover in the gut.

Science : 365(6454) : 705-710 : [DOI : 10.1126/science.aau3429](https://doi.org/10.1126/science.aau3429)

Ralitza Staneva, Fatima El Marjou, Jorge Barbazan, Denis Krndija, Sophie Richon, Andrew G Clark, Danijela Matic Vignjevic (2019 Feb 16)

Cancer cells in the tumor core exhibit spatially coordinated migration patterns.

Journal of cell science : [DOI : jcs220277](https://doi.org/10.1042/jcs220277)

Year of publication 2018

Jorge Barbazán, Danijela Matic Vignjevic (2018 Oct 12)

Cancer associated fibroblasts: is the force the path to the dark side?

Current opinion in cell biology : 71-79 : [DOI : S0955-0674\(18\)30133-9](https://doi.org/10.1016/j.cob.2015.06.004)

Year of publication 2015

Andrew G Clark, Danijela Matic Vignjevic (2015 Jul 18)

Modes of cancer cell invasion and the role of the microenvironment.

Current opinion in cell biology : 13-22 : [DOI : 10.1016/j.cob.2015.06.004](https://doi.org/10.1016/j.cob.2015.06.004)

Year of publication 2014

Alexandros Glentis, Vasily Gurchenkov, Danijela Matic Vignjevic (2014 Apr 15)

Assembly, heterogeneity, and breaching of the basement membranes.

Cell adhesion & migration : 236-45

Year of publication 2011

Fabien Montel, Morgan Delarue, Jens Elgeti, Laurent Malaquin, Markus Basan, Thomas Risler, Bernard Cabane, Danijela Vignjevic, Jacques Prost, Giovanni Cappello, Jean-François Joanny (2011 Mar 3)

Stress clamp experiments on multicellular tumor spheroids.

Physical review letters : 188102