



Céline Vallot Chef d'équipe

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Key publications

Year of publication 2021

Marsolier, Justine Prompsy, Pacôme Durand, Adeline Lyne, Anne-Marie Landragin, Camille Trouchet, Amandine Bento, Sabrina Tenreira Eisele, Almut Foulon, Sophie Baudre, Léa Grosselin, Kevin Bohec, Mylène Baulande, Sylvain Dahmani, Ahmed Sourd, Laura Letouzé, Eric Marangoni, Elisabetta Perié, Leïla Vallot, Céline (2021 Jan 4)

H3K27me3 is a determinant of chemotolerance in triple-negative breast cancer

*bioRxiv*bioRxiv : [DOI : 10.1101/2021.01.04.423386](https://doi.org/10.1101/2021.01.04.423386)

Year of publication 2020

Pacôme Prompsy, Pia Kirchmeier, Justine Marsolier, Marc Deloger, Nicolas Servant, Céline Vallot (2020 Nov 12)

Interactive analysis of single-cell epigenomic landscapes with ChromSCape.

Nature communications : 5702 : [DOI : 10.1038/s41467-020-19542-x](https://doi.org/10.1038/s41467-020-19542-x)

Sebastian Müller, Fabien Sindikubwabo , Tatiana Cañeque, Anne Lafon, Antoine Versini, Bérangère Lombard, Damarys Loew, Ting-Di Wu, Christophe Ginestier, Emmanuelle Charafe-Jauffret, Adeline Durand, Céline Vallot, Sylvain Baulande, Nicolas Servant, Raphaël Rodriguez (2020 Oct 1)

CD44 regulates epigenetic plasticity by mediating iron endocytosis

Nature Chemistry : 12 : 929-938 : [DOI : 10.1038/s41557-020-0513-5](https://doi.org/10.1038/s41557-020-0513-5)

Felix Raimundo, Celine Vallot, Jean-Philippe Vert (2020 Aug 25)

Tuning parameters of dimensionality reduction methods for single-cell RNA-seq analysis.

Genome biology : 212 : [DOI : 10.1186/s13059-020-02128-7](https://doi.org/10.1186/s13059-020-02128-7)

Year of publication 2019

Kevin Grosselin, Adeline Durand, Justine Marsolier, Adeline Poitou, Elisabetta Marangoni, Fariba Nemati, Ahmed Dahmani, Sonia Lameiras, Fabien Reyat, Olivia Frenoy, Yannick Pousse, Marcel Reichen, Adam Woolfe, Colin Brenan, Andrew D. Griffiths*, Céline Vallot* & Annabelle Gérard* (2019 May 31)

High-throughput single-cell ChIP-seq identifies heterogeneity of chromatin states in breast cancer

Nature Genetics : 51 : 1060-1066 : [DOI : 10.1038/s41588-019-0424-9](https://doi.org/10.1038/s41588-019-0424-9)

Year of publication 2017

Céline Vallot, Catherine Patrat, Amanda J Collier, Christophe Huret, Miguel Casanova, Tharvesh M Liyakat Ali, Matteo Tosolini, Nelly Frydman, Edith Heard, Peter J Rugg-Gunn, Claire Rougeulle (2017 Jan 5)

XACT Noncoding RNA Competes with XIST in the Control of X Chromosome Activity during Human Early Development.

Cell stem cell : 102-111 : [DOI : 10.1016/j.stem.2016.10.014](https://doi.org/10.1016/j.stem.2016.10.014)

Year of publication 2015

Céline Vallot, Jean-François Ouimette, Mélanie Makhlof, Olivier Féraud, Julien Pontis, Julien Côme, Cécile Martinat, Annelise Bennaceur-Griscelli, Marc Lalande, Claire Rougeulle (2015 Apr 30)

Erosion of X Chromosome Inactivation in Human Pluripotent Cells Initiates with XACT Coating and Depends on a Specific Heterochromatin Landscape.

Cell stem cell : 533-46 : [DOI : 10.1016/j.stem.2015.03.016](https://doi.org/10.1016/j.stem.2015.03.016)

Year of publication 2013

Céline Vallot, Christophe Huret, Yann Leseque, Alissa Resch, Noufissa Oudrhiri, Annelise Bennaceur-Griscelli, Laurent Duret, Claire Rougeulle (2013 Jan 22)

XACT, a long noncoding transcript coating the active X chromosome in human pluripotent cells.

Nature genetics : 239-41 : [DOI : 10.1038/ng.2530](https://doi.org/10.1038/ng.2530)

Year of publication 2010

Céline Vallot, Nicolas Stransky, Isabelle Bernard-Pierrot, Aurélie Hérault, Jessica Zucman-Rossi,



Members

Dynamics of epigenetic plasticity in cancer

Elodie Chapeaublanc, Dimitri Vordos, Agnès Laplanche, Simone Benhamou, Thierry Leuret,
Jennifer Southgate, Yves Allory, François Radvanyi (2010 Dec 20)

A novel epigenetic phenotype associated with the most aggressive pathway of bladder tumor progression.

Journal of the National Cancer Institute : 47-60 : [DOI : 10.1093/jnci/djq470](https://doi.org/10.1093/jnci/djq470)