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Publications clés

Année de publication : 2017

Maxim V C Greenberg, Juliane Glaser, Máté Borsos, Fatima El Marjou, Marius Walter, Aurélie Teissandier, Déborah Bourc'his (2017 Jan 2)

Transient transcription in the early embryo sets an epigenetic state that programs postnatal growth.

Nature genetics : 110-118 : [DOI : 10.1038/ng.3718](https://doi.org/10.1038/ng.3718)

Année de publication : 2016

Joan Barau, Aurélie Teissandier, Natasha Zamudio, Stéphanie Roy, Valérie Nalesso, Yann Héroult, Florian Guillou, Déborah Bourc'his (2016 Nov 19)

The DNA methyltransferase DNMT3C protects male germ cells from transposon activity.

Science (New York, N.Y.) : 909-912

Marius Walter, Aurélie Teissandier, Raquel Pérez-Palacios, Déborah Bourc'his (2016 Jan 27)

An epigenetic switch ensures transposon repression upon dynamic loss of DNA methylation in embryonic stem cells.

eLife : [DOI : 10.7554/eLife.11418](https://doi.org/10.7554/eLife.11418)

Année de publication : 2014

Rachel Duffié, Sophie Ajjan, Maxim V Greenberg, Natasha Zamudio, Martin Escamilla del Arenal, Julian Iranzo, Ikuhiro Okamoto, Sandrine Barbaux, Patricia Fauque, Déborah Bourc'his (2014 Mar 5)

Décisions épigénétiques et reproduction chez les mammifères

The Gpr1/Zdbf2 locus provides new paradigms for transient and dynamic genomic imprinting in mammals.

Genes & development : 463-78 : [DOI : 10.1101/gad.232058.113](https://doi.org/10.1101/gad.232058.113)

Année de publication : 2013

Mounia Guenatri, Rachel Duffié, Julian Iranzo, Patricia Fauque, Déborah Bourc'his (2013 Jan 8)

Plasticity in Dnmt3L-dependent and -independent modes of de novo methylation in the developing mouse embryo.

Development (Cambridge, England) : 562-72 : [DOI : 10.1242/dev.089268](https://doi.org/10.1242/dev.089268)

Année de publication : 2012

Charlotte Proudhon, Rachel Duffié, Sophie Ajjan, Michael Cowley, Julian Iranzo, Guillermo Carbajosa, Heba Saadeh, Michelle L Holland, Rebecca J Oakey, Vardhman K Rakyan, Reiner Schulz, Déborah Bourc'his (2012 Feb 20)

Protection against de novo methylation is instrumental in maintaining parent-of-origin methylation inherited from the gametes.

Molecular cell : 909-20 : [DOI : 10.1016/j.molcel.2012.07.010](https://doi.org/10.1016/j.molcel.2012.07.010)