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## Publications clés

Année de publication : 2019

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Mireille Bétermier, Valérie Borde, Jean-Pierre de Villartay (2019 Dec 11)

**Coupling DNA Damage and Repair: an Essential Safeguard during Programmed DNA Double-Strand Breaks?**

*Trends in cell biology* : [DOI : S0962-8924\(19\)30201-6](https://doi.org/10.1016/j.tcb.2019.11.001)

Année de publication : 2018

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De Muyt A, Pyatnitskaya A, Andréani J, Ranjha L, Ramus C, Laureau R, Fernandez-Vega A, Holloch D, Girard E, Govin J, Margueron R, Couté Y, Cejka P, Guérois R, Borde V. (2018 Feb 1)

**A meiotic XPF-ERCC1-like complex recognizes joint molecule recombination intermediates to promote crossover formation**

*Genes & Development* : [DOI : 10.1101/gad.308510.117](https://doi.org/10.1101/gad.308510.117)

Adam C, Guérois R, Citarella A, Verardi L, Adolphe F Béneut C, Sommermeyer V, Ramus C, Govin J, Couté Y, Borde V (2018 Feb 1)

**The PHD finger protein Spp1 has distinct functions in the Set1 and the meiotic DSB formation complexes**

*PLoS Genetics* : 14(2) : [DOI : 10.1371/journal.pgen.1007223](https://doi.org/10.1371/journal.pgen.1007223)

Année de publication : 2017

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Yann Duroc, Rajeev Kumar, Lepakshi Ranjha, Céline Adam, Raphaël Guérois, Khan Md Muntaz, Marie-Claude Marsolier-Kergoat, Florent Dingli, Raphaëlle Laureau, Damarys Loew, Bertrand

Llorente, Jean-Baptiste Charbonnier, Petr Cejka, Valérie Borde (2017 Jan 5)

**Concerted action of the MutL $\beta$  heterodimer and Mer3 helicase regulates the global extent of meiotic gene conversion.**

*eLife* : [DOI : 10.7554/eLife.21900](https://doi.org/10.7554/eLife.21900)

**Année de publication : 2013**

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Maria-Elisabetta Serrentino, Emmanuel Chaplais, Vérane Sommermeyer, Valérie Borde (2013 Apr 9)

**Differential association of the conserved SUMO ligase Zip3 with meiotic double-strand break sites reveals regional variations in the outcome of meiotic recombination.**

*PLoS genetics* : e1003416 : [DOI : 10.1371/journal.pgen.1003416](https://doi.org/10.1371/journal.pgen.1003416)

Valérie Borde, Bernard de Massy (2013 Apr 2)

**Programmed induction of DNA double strand breaks during meiosis: setting up communication between DNA and the chromosome structure.**

*Current opinion in genetics & development* : 147-55 : [DOI : 10.1016/j.gde.2012.12.002](https://doi.org/10.1016/j.gde.2012.12.002)

Vérane Sommermeyer, Claire Béneut, Emmanuel Chaplais, Maria Elisabetta Serrentino, Valérie Borde (2013 Jan 10)

**Spp1, a member of the Set1 Complex, promotes meiotic DSB formation in promoters by tethering histone H3K4 methylation sites to chromosome axes.**

*Molecular cell* : 43-54 : [DOI : 10.1016/j.molcel.2012.11.008](https://doi.org/10.1016/j.molcel.2012.11.008)

**Année de publication : 2011**

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Emmanuelle Martini, Valérie Borde, Matthieu Legendre, Stéphane Audic, Béatrice Regnault, Guillaume Soubigou, Bernard Dujon, Bertrand Llorente (2011 Apr 28)

**Genome-wide analysis of heteroduplex DNA in mismatch repair-deficient yeast cells reveals novel properties of meiotic recombination pathways.**

*PLoS genetics* : e1002305 : [DOI : 10.1371/journal.pgen.1002305](https://doi.org/10.1371/journal.pgen.1002305)

**Année de publication : 2009**

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Valérie Borde, Nicolas Robine, Waka Lin, Sandrine Bonfils, Vincent Géli, Alain Nicolas (2009 Aug 6)

**Histone H3 lysine 4 trimethylation marks meiotic recombination initiation sites.**

*The EMBO journal* : 99-111 : [DOI : 10.1038/emboj.2008.257](https://doi.org/10.1038/emboj.2008.257)