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## Publications clés

Année de publication : 2019

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Simon Gemble, Anthony Simon, Carole Pannetier, Marie Dumont, Solène Hervé, Franz Meitinger, Karen Oegema, Raphaël Rodriguez, Geneviève Almouzni, Daniele Fachinetti, Renata Basto (2019 Sep 10)

**Centromere Dysfunction Compromises Mitotic Spindle Pole Integrity.**

*Current biology* : CB : 3072-3080.e5 : [DOI : S0960-9822\(19\)30932-7](https://doi.org/10.1016/j.cub.2019.09.010)

Année de publication : 2018

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Aaron Mendez-Bermudez, Liudmyla Lototska, Serge Bauwens, Marie-Josèphe Giraud-Panis, Olivier Croce, Karine Jamet, Agurtzane Irizar, Macarena Mowinckel, Stéphane Koundrioukoff, Nicolas Nottet, Genevieve Almouzni, Mare-Paule Teulade-Fichou, Michael Schertzer, Mylène Perderiset, Arturo Londoño-Vallejo, Michelle Debatisse, Eric Gilson, Jing Ye (2018 May 3)

**Genome-wide Control of Heterochromatin Replication by the Telomere Capping Protein TRF2**

*Molecular cell* : 70 : 449-461.e5 : [DOI : 10.1016/j.molcel.2018.03.036](https://doi.org/10.1016/j.molcel.2018.03.036)

Luigia Pace, Christel Goudot, Elina Zueva, Paul Gueguen, Nina Burgdorf, Joshua J. Waterfall, Jean-Pierre Quivy, Geneviève Almouzni, Sebastian Amigorena (2018 Jan 12)

**The epigenetic control of stemness in CD8+ T cell fate commitment**

*Science* : 359 : 177-186 : [DOI : 10.1126/science.aah6499](https://doi.org/10.1126/science.aah6499)

**Année de publication : 2017**

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Dan Filipescu, Monica Naughtin, Katrina Podsypanina, Vincent Lejour, Laurence Wilson, Zachary A Gurard-Levin, Guillermo A Orsi, Iva Simeonova, Eleonore Toufektchan, Laura D Attardi, Franck Toledo, Geneviève Almouzni (2017 Mar 31)

**Essential role for centromeric factors following p53 loss and oncogenic transformation.**

*Genes & development* : 463-480 : [DOI : 10.1101/gad.290924.116](https://doi.org/10.1101/gad.290924.116)

**Année de publication : 2016**

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Sebastian Müller, Geneviève Almouzni (2016 Dec 1)

**Chromatin dynamics during the cell cycle at centromeres.**

*Nature Reviews Genetics* : 192-208 : [DOI : 10.1038/nrg.2016.157](https://doi.org/10.1038/nrg.2016.157)

Christèle Maison, Delphine Bailly, Jean-Pierre Quivy, Geneviève Almouzni (2016 Jul 19)

**The methyltransferase Suv39h1 links the SUMO pathway to HP1 $\alpha$  marking at pericentric heterochromatin.**

*Nature communications* : 12224 : [DOI : 10.1038/ncomms12224](https://doi.org/10.1038/ncomms12224)

Lisa Prendergast, Sebastian Müller, Yiwei Liu, Hongda Huang, Florent Dingli, Damarys Loew, Isabelle Vassias, Dinshaw J Patel, Kevin F Sullivan, Geneviève Almouzni (2016 Jun 11)

**The CENP-T/-W complex is a binding partner of the histone chaperone FACT.**

*Genes & development* : 1313-26 : [DOI : 10.1101/gad.275073.115](https://doi.org/10.1101/gad.275073.115)

**Année de publication : 2015**

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Hiroaki Tachiwana, Sebastian Müller, Julia Blümer, Kerstin Klare, Andrea Musacchio, Geneviève Almouzni (2015 Apr 1)

**HJURP involvement in de novo CenH3(CENP-A) and CENP-C recruitment.**

*Cell reports* : 22-32 : [DOI : 10.1016/j.celrep.2015.03.013](https://doi.org/10.1016/j.celrep.2015.03.013)

**Année de publication : 2014**

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Dan Filipescu, Sebastian Müller, Geneviève Almouzni (2014 Oct 8)

**Histone H3 variants and their chaperones during development and disease: contributing to epigenetic control.**

*Annual review of cell and developmental biology* : 615-46 : [DOI : 10.1146/annurev-cellbio-100913-013311](https://doi.org/10.1146/annurev-cellbio-100913-013311)

Catherine Dehainault, Alexandra Garancher, Laurent Castéra, Nathalie Cassoux, Isabelle Aerts, François Doz, Laurence Desjardins, Livia Lumbroso, Rocío Montes de Oca, Geneviève Almouzni,

Dominique Stoppa-Lyonnet, Celio Pouponnot, Marion Gauthier-Villars, Claude Houdayer (2014 May 23)

**The survival gene MED4 explains low penetrance retinoblastoma in patients with large RB1 deletion.**

*Human molecular genetics* : 5243-50 : [DOI : 10.1093/hmg/ddu245](https://doi.org/10.1093/hmg/ddu245)

Sebastian Müller, Rocio Montes de Oca, Nicolas Lacoste, Florent Dingli, Damarys Loew, Geneviève Almouzni (2014 Apr 8)

**Phosphorylation and DNA binding of HJURP determine its centromeric recruitment and function in CenH3(CENP-A) loading.**

*Cell reports* : 190-203 : [DOI : 10.1016/j.celrep.2014.06.002](https://doi.org/10.1016/j.celrep.2014.06.002)

Sebastian Müller, Geneviève Almouzni (2014 Jan 1)

**A network of players in H3 histone variant deposition and maintenance at centromeres.**

*Biochimica et biophysica acta* : 241-50 : [DOI : 10.1016/j.bbagr.2013.11.008](https://doi.org/10.1016/j.bbagr.2013.11.008)

**Année de publication : 2013**

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Nicolas Lacoste, Adam Woolfe, Hiroaki Tachiwana, Ana Villar Garea, Teresa Barth, Sylvain Cantaloube, Hitoshi Kurumizaka, Axel Imhof, Geneviève Almouzni (2013 Jun 25)

**Mislocalization of the centromeric histone variant CenH3/CENP-A in human cells depends on the chaperone DAXX.**

*Molecular cell* : 631-44 : [DOI : 10.1016/j.molcel.2014.01.018](https://doi.org/10.1016/j.molcel.2014.01.018)

Salomé Adam, Sophie E Polo, Geneviève Almouzni (2013 Apr 26)

**Transcription recovery after DNA damage requires chromatin priming by the H3.3 histone chaperone HIRA.**

*Cell* : 94-106 : [DOI : 10.1016/j.cell.2013.08.029](https://doi.org/10.1016/j.cell.2013.08.029)

Miguel Casanova, Michał Pasternak, Fatima El Marjou, Patricia Le Baccon, Aline V Probst, Geneviève Almouzni (2013 Jan 3)

**Heterochromatin reorganization during early mouse development requires a single-stranded noncoding transcript.**

*Cell reports* : 1156-67 : [DOI : 10.1016/j.celrep.2013.08.015](https://doi.org/10.1016/j.celrep.2013.08.015)

**Année de publication : 2012**

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Rhys S Allan, Elina Zueva, Florence Cammas, Heidi A Schreiber, Vanessa Masson, Gabrielle T Belz, Danièle Roche, Christèle Maison, Jean-Pierre Quivy, Geneviève Almouzni, Sebastian Amigorena (2012 Mar 8)



## Membres de l'équipe Dynamique de la Chromatine

### **An epigenetic silencing pathway controlling T helper 2 cell lineage commitment.**

*Nature* : 249-53 : [DOI : 10.1038/nature11173](https://doi.org/10.1038/nature11173)

**Année de publication : 2009**

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Benjamin Klapholz, Bruce H Dietrich, Catherine Schaffner, Fabiana Hérédia, Jean-Pierre Quivy, Geneviève Almouzni, Nathalie Dostatni (2009 May 1)

### **CAF-1 is required for efficient replication of euchromatic DNA in *Drosophila* larval endocycling cells.**

*Chromosoma* : 235-48 : [DOI : 10.1007/s00412-008-0192-2](https://doi.org/10.1007/s00412-008-0192-2)