

# Publications de l'équipe *Evolution and Development of Germ Cells*

## Key Publications

### [The deubiquitinase USP8 targets ESCRT-III to promote incomplete cell division](#)

Mathieu J., Michel-Hissier P., Boucherit V., Huynh JR.

**Science** 2022 May 20;376(6595):818-823. [Full text](#)

### [Collective Cell Sorting Require Contractile Cortical Waves in Germline Cells](#)

Chanet S, Huynh JR.

**Current Biology** 2020 Nov 2;30(21):4213-4226

### [tRNA processing defects induce replication stress and Chk2-dependent disruption of piRNA transcription](#)

Molla-Herman A, Vallés AM, Ganem-Elbaz C, Antoniewski C, Huynh JR.

**the EMBO Journal** 2015 Dec 14;34(24):3009-27.

### [Microtubule-driven nuclear rotations promote meiotic chromosome dynamics](#)

Christophorou N, Rubin T, Bonnet I, Piolot T, Arnaud M, Huynh JR.

**Nature Cell Biology** 2015 Nov;17(11):1388-400.

### [Aurora B and Cyclin B Have Opposite Effects on the Timing of Cytokinesis Abscission in Drosophila Germ Cells and in Vertebrate Somatic Cells](#)

Mathieu J, Cauvin C, Moch C, Radford SJ, Sampaio P, Perdigoto CN, Schweisguth F, Bardin AJ, Sunkel CE, McKim K, Echard A, Huynh JR.

**Developmental Cell**. 2013 Aug 12;26(3):250-65.

### [Live-imaging of single stem cells within their niche reveals that a U3snorNP component segregates asymmetrically and is required for self-renewal in Drosophila](#)

Fichelson P, Moch C, Ivanovitch K, Martin C, Sidor CM, Lepesant JA, Bellaïche Y, Huynh JR.

**Nature Cell Biology** 2009 Jun;11(6):685-93.

### [Integrin-independent repression of cadherin transcription by talin during axis formation in Drosophila](#)

Bécam IE, Tanentzapf G, Lepesant JA, Brown NH, Huynh JR.

**Nature Cell Biology** 2005 May;7(5):510-6.

## Publications

*Publication year: 2020*

[Collective Cell Sorting Require Contractile Cortical Waves in Germline Cells](#)

**Chanet S, Huynh JR.**

Curr Biol. 2020 Sep 4

[Isolation of stage-specific germ cells using FACS in \*Drosophila\* gemarium.](#) **Vallés AM, Huynh JR.**

Methods Cell Biol. 2020;158:11-24.

*Publication year: 2019*

[Mixing and Matching Chromosomes during Female Meiosis](#)

**Rubin T, Macaisne N, Huynh JR.**

Cells. 2020 Mar 12;9(3). Review.

*Publication year: 2018*

[The replicative histone chaperone CAF1 is essential for the maintenance of identity and genome integrity in adult stem cells](#)

**Clémot M, Molla-Herman A, Mathieu J, Huynh JR, Dostatni N.**

Development. 2018 Aug 28;145(17)

*Publication year: 2017*

[Bam and Otu can regulate stem cell fate by stabilizing cyclin A](#)

**Mathieu J, Huynh JR.**

Proc Natl Acad Sci U S A. 2017 Jun 13;114(24):6154-6156.

*Publication year: 2016*

[How to pre-pair chromosomes for meiosis](#)

**Rubin T, Christophorou N, Huynh JR.**

Cell Cycle. 2016;15(5):609-10.

*Publication year: 2015*

[Mosaic Analysis in the \*Drosophila melanogaster\* Ovary](#)

**Rubin T, Huynh JR.**

Methods Mol Biol. 2015;1328:29-55.

[tRNA processing defects induce replication stress and Chk2-dependent disruption of piRNA transcription](#)

**Molla-Herman A, Vallés AM, Ganem-Elbaz C, Antoniewski C, Huynh JR.**

EMBO J. 2015 Dec 14;34(24):3009-27.

[Microtubule-driven nuclear rotations promote meiotic chromosome dynamics](#)

**Christophorou N, Rubin T, Bonnet I, Piolot T, Arnaud M, Huynh JR.**

Nat Cell Biol. 2015 Nov;17(11):1388-400.

[Abcission Is Regulated by the ESCRT-III Protein Shrub in Drosophila Germline Stem Cells](#)

**Matias NR, Mathieu J, Huynh JR.**

PLoS Genet. 2015 Feb 3;11(2)

[ALIX and ESCRT-III Coordinately Control Cytokinetic Abcission during Germline Stem Cell Division In Vivo](#)

**Eikenes ÅH, Malerød L, Christensen AL, Steen CB, Mathieu J, Nezis IP, Liestøl K, Huynh JR, Stenmark H, Haglund K.**

PLoS Genet. 2015 Jan 30;11(1)

*Publication year: 2014*

[EMS Mutagenesis in the Pea Aphid Acyrthosiphon pisum](#)

**Tagu D, Le Trionnaire G, Tanguy S, Gauthier JP, Huynh JR.**

G3 (Bethesda). 2014 Apr 16;4(4):657-67.

*Publication year: 2013*

[Aurora B and Cyclin B Have Opposite Effects on the Timing of Cytokinesis Abcission in Drosophila Germ Cells and in Vertebrate Somatic Cells](#)

**Mathieu J, Cauvin C, Moch C, Radford SJ, Sampaio P, Perdigoto CN, Schweisguth F, Bardin AJ, Sunkel CE, McKim K, Echard A, Huynh JR.**

Dev Cell. 2013 Aug 12;26(3):250-65.

[Synaptonemal Complex Components Promote Centromere Pairing in Pre-meiotic Germ Cells](#)

**Christophorou N, Rubin T, Huynh JR.**

PLoS Genet. 2013;9(12)

[A Mosaic Genetic Screen for Genes Involved in the Early Steps of Drosophila Oogenesis](#)

**Jagut M, Mihaila-Bodart L, Molla-Herman A, Alin MF, Lepesant JA, Huynh JR.**

G3 (Bethesda). 2013 Mar;3(3):409-25.

*Publication year: 2010*

[lethal giant larvae is required with the par genes for the early polarization of the Drosophila oocyte](#)

**Fichelson P, Jagut M, Lepanse S, Lepesant JA, Huynh JR.**

Development. 2010 Mar;137(5):815-24.

*Publication year: 2009*

[Live-imaging of single stem cells within their niche reveals that a U3snoRNP component segregates asymmetrically and is required for self-renewal in Drosophila](#)

**Fichelson P, Moch C, Ivanovitch K, Martin C, Sidor CM, Lepesant JA, Bellaiche Y,**

**Huynh JR.**

Nat Cell Biol. 2009 Jun;11(6):685-93.

[Croissance asymétrique et regeneration](#)

**Fichelson P, Huynh JR.**

Med Sci (Paris). 2009 Oct;25(10):780-1. Review. French

*Publication year: 2007*

[Regulation of germline stem cells the niche expands in Drosophila.](#)

**Jagut M, Huynh JR.**

Med Sci (Paris). 2007 Jun-Jul;23(6-7):611-8. Review. French

[Asymmetric Divisions of Germline Cells](#)

**Fichelson P, Huynh JR.**

Prog Mol Subcell Biol. 2007;45:97-120. Review.

[Genetic control of intercellular adhesion or how cadherins shape the fruitfly Drosophila melanogaster.](#)

**Bécam I, Huynh JR.**

Med Sci (Paris). 2007 Mar;23(3):285-90. Review. French

*Publication year: 2005*

[Integrin-independent repression of cadherin transcription by talin during axis formation in Drosophila](#)

**Bécam IE, Tanentzapf G, Lepesant JA, Brown NH, Huynh JR.**

Nat Cell Biol. 2005 May;7(5):510-6.

*Publication year: 2004*

[The Origin of Asymmetry Early Polarisation of the Drosophila Germline Cyst and Oocyte](#)

**Huynh JR, St Johnston D.**

Curr Biol. 2004 Jun 8;14(11):R438-49.Review.

[The Drosophila hnRNPAB Homolog, Hrp48, Is Specifically Required for a Distinct Step in osk mRNA Localization](#)

**Huynh JR, Munro TP, Smith-Litière K, Lepesant JA, St Johnston D.**

Dev Cell. 2004 May;6(5):625-35.