

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 *Acyrtosiphon 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.
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Publication year: 2010

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

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

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[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](#)

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

Bécam I, Huynh JR.

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Publication year: 2005

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

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[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.

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