

Articles:

Colin A, Letort G, Razin N, **Almonacid M**, et al. **Active Diffusion in Oocytes Nonspecifically Centers Large Objects During Prophase I and Meiosis I.** J Cell Biol 2020 Mar 2; 219(3).

Almonacid M et al. **Active fluctuations of the nuclear envelope shape the transcriptional dynamics in oocytes.** Developmental Cell 2019 Oct 21;51(2):145-157.

(Preview from: Mogessie, B. **Conducting Chromatin Motion: Actin Dynamizes Contents of the Oocyte Nucleus.** Developmental Cell 2019 Oct 21;51(2):133–134.)

Ahmed WW*, Fodor E*, **Almonacid M*** et al. **Active mechanics reveal molecular-scale force kinetics in living oocytes.** Biophysical Journal 2018 Apr 10;114(7):1667-1679. *co-premiers auteurs

Fodor E*, Ahmed WW*, **Almonacid M*** et al. **Nonequilibrium dissipation in living oocytes.** EPL (Europhysics Letters) 2016; 116, 30008. *co-premiers auteurs

Almonacid M*, Ahmed WW* et al. **Active diffusion positions the nucleus in mouse oocytes.** Nature Cell Biology 2015 Apr; 17(4): 470-9. *co-premiers auteurs

Chaigne A, Campillo C, Gov NS, Voituriez R, Azoury J, Umaña-Diaz C, **Almonacid M**, et al. **A soft cortex is essential for asymmetric spindle positioning in mouse oocytes.** Nature Cell Biology 2013 Aug; 15(8):958-66.

Reviews:

Almonacid M and Verlhac MH. **A new mode of mechano-transduction shakes the oocyte nucleus, thereby fine tunes gene expression modulating the developmental potential.** C R Biol 2021 Feb4; 343(3), 223–234.

Revue invitée pour le prix de l'Académie des Sciences « Grandes Avancées Françaises en Biologie »

Almonacid M*, Terret ME, Verlhac MH. **Nuclear positioning as an integrator of cell fate.** Curr Opin Cell Biol. 2019 Feb;56:122-129. *corresponding author

Almonacid M*, Terret ME, Verlhac MH. **Control of nucleus positioning in mouse oocytes.** Semin Cell Dev Biol. 2018 Oct; 82:34-40. *corresponding author

Almonacid M*, Terret ME, Verlhac MH*. **Actin-based spindle positioning: new insights from female gametes.** J Cell Science 2014 Feb 1;127(Pt 3):477-83. *co-corresponding authors

Technical review:

Almonacid M*. **Photoactivation of Actin in Mouse Oocyte.** Methods Mol Biol. 2018; 1818:145-151. *corresponding author