

## List of publications

- **Nikalayevich E**, Letort G, de Labbey G, Todisco E, Shihabi A, Turlier H, Voituriez R, Yahiatene M, Pollet-Villard X, Innocenti M, Schuh M, Terret M-E, and Verlhac M-H. (2024) *Aberrant cortex contractions impact mammalian oocyte quality*. **Developmental Cell**, S1534580724000479.
- **Nikalayevich E\***, Terret M-E. (2023) *Meiosis: Actin and microtubule networks drive chromosome clustering in oocytes*. **Current Biology**, 33(7): R272-R274 (\* corresponding author)
- Friocourt G, Perrin A, Saunders PA, **Nikalayevich E**, Voisset C, Coutton C, Martinez G, Morel F. (2023) *Bypassing Mendel's First Law: Transmission Ratio Distortion in Mammals*. **Int. J. Mol. Sci.**, 24(2), 1600
- **Nikalayevich E**, Wassmann K. (2022) *A biosensor to measure cleavage efficiency of the meiotic cohesin subunit Rec8 by Separase in mouse oocytes*. **STAR Protocols** 3, 101714
- Letort G, Eichmuller A, Da Silva C, **Nikalayevich E**, Crozet F, Salle J, Minc N, Labrune E, Wolf J-P, Terret M-E and Verlhac M-H. (2022) *An interpretable and versatile machine learning approach for oocyte phenotyping*. **JCS**, 135: jcs260281.
- **Nikalayevich E**, El Jailani S, Dupré A, Cladière D, Gryaznova Y, Fosse C, Buffin E, Touati S A, Wassmann K. (2022) *Aurora B/C-dependent phosphorylation promotes Rec8 cleavage in mammalian oocytes*. **Current Biology**, 32(10) :2281-2290.e4
- **Nikalayevich E\***, Verlhac M-H (2021) *Selfish centromeres, selfless heterochromatin*. **Cell**, 184(19): 4843-4844 (\* corresponding author)
- Bennabi I, Crozet F, **Nikalayevich E**, Chaigne A, Letort G, Manil-Ségalen M, Campillo C, Cadart C, Othmani A, Attia R, Genovesio A, Verlhac M-H, Terret M-E. (2020) *Artificially decreasing cortical tension generates aneuploidy in mouse oocytes*. **Nat Comm**, 11(1659):1-14
- **Nikalayevich E\***, Bouftas N and Wassmann K\* (2018) *Detection of Separase activity using a cleavage sensor in live mouse oocytes*. Book chapter in **Methods in Molecular Biology** series "On mouse oocyte development" (\* corresponding authors)
- **Nikalayevich E**, Ohkura H (2015) *The NURD nucleosome remodelling complex and NHK-1 kinase are required for chromosome condensation in oocytes*. **J. Cell Sci.** 128: 566-575.