

# Full List of Publications

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Last Update: February 2023.

74) Coloma J, Gonzalez-Rodriguez N, Balaguer FA, Gmurczyk K, Aicart-Ramos C, Nuero ÓM, Luque-Ortega JR, Calugaru K, Lue NF, Moreno-Herrero F, Llorca O. **Nucleic Acids Res.** (2023).

<https://doi.org/10.1093/nar/gkac1261>

*Molecular architecture and oligomerization of Candida glabrata Cdc13 underpin its telomeric DNA-binding and unfolding activity.*

73) De Bragança S, Aicart-Ramos C, Arribas-Bosacoma R, Rivera-Calzada A, Unfried J P, Prats-Mari L, Marín-Baquero M, Fortes P, Llorca\* O, Moreno-Herrero\* F. **Cell Reports** (2023).

<https://doi.org/10.1016/j.celrep.2022.111917>

*APLF and long non-coding RNA NIHCOLE promote stable DNA synapsis in non-homologous end joining*

72) Aicart-Ramos\* C, Hormeño S, Wilkinson OJ, Dillingham MS, Moreno-Herrero\* F. **Methods in Enzymology** (2022).

<https://doi.org/10.1016/bs.mie.2022.03.010>

*Long DNA constructs to study helicases and nucleic acid translocases using optical tweezers*

71) Hormeño S, Wilkinson OJ, Aicart-Ramos C, Kuppa S, Antony E, Dillingham MS\*, Moreno-Herrero F\*. **PNAS** (2022)

<https://doi.org/10.1073/pnas.2112376119>

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70) Unfried JP, Marín-Baquero M, Rivera-Calzada A, Razquin N, Martín-Cuevas EM, de Bragança S, Aicart-Ramos C, McCoy C, Prats-Mari L, Arribas-Bosacoma R, Lee L, Caruso S, Zucman-Rossi J, Sangro B, Williams G, Moreno-Herrero F, Llorca O, Lees-Miller SP and Fortes P. **Cancer Research** (2021)

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69) Balaguer FA, Aicart-Ramos C, Fisher GL, de Bragança S, Martin-Cuevas EM, Pastrana CL, Dillingham MS\*, Moreno-Herrero F\*. **eLife** (2021)

<https://doi.org/10.7554/eLife.67554>

*CTP promotes efficient ParB-dependent DNA condensation by facilitating one-dimensional diffusion from parS.*

- 68) Marin-Gonzalez A, Vilhena J G, Perez R\* and Moreno-Herrero\* F. **Quarterly Reviews of Biophysics** (2021).  
<https://doi.org/10.1017/S0033583521000068>  
*A molecular view of DNA flexibility*
- 67) Gutierrez-Escribano P, Hormeño S, Madariaga-Marcos J, Solé R, O'Reilly FJ, Morris K, Aicart-Ramos C, Aramayo R, Montoya A, Kramer H, Rappaport J, Torres-Rosell J, Moreno-Herrero\* F and Aragón\* L. **Molecular Cell** (2020).  
<https://doi.org/10.1016/j.molcel.2020.11.012>  
*Purified Smc5/6 Complex Exhibits DNA Substrate Recognition and Compaction*
- 66) Marin-Gonzalez A, Aicart-Ramos C, Marin-Baquero M, Martín-González A, Suomalainen M, Kannan A, Vilhena JG, Moreno-Herrero\* F ad Pérez\* R. **Nucleic Acids Research** (2020).  
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*Double-stranded RNA bending by AU-tract sequences*
- 65) Madariaga-Marcos J, Corti R, Hormeño S and Moreno-Herrero\* F. **Scientific Reports** (2020).  
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*Characterizing microfluidic approaches for a fast and efficient reagent exchange in single-molecule studies*
- 64) Wilkinson† OJ, Carrasco† C, Aicart-Ramos C, Moreno-Herrero\* F and Dillingham\* MS. **Nucleic Acids Research** (2020).  
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- 63) Arroyo R, Echaide M, Wilmanowski R, Martin-Gonzalez A, Batllori E, Galindo A, Rosenbaum JS, Moreno-Herrero F, Kingma PS and Perez-Gil J. **Biochim Am J Physiol Lung Cell Mol Physiol** (2020).  
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*Structure and activity of human surfactant protein D from different natural sources*
- 62) Arroyo R, Echaide M, Moreno-Herrero F, Perez-Gil J and Kingma PS. **Biochim Biophys Acta Proteins Proteom** (2020).  
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- 59) Marin-Gonzalez A, Vilhena JG, Moreno-Herrero\* F and Perez\* R. **Nanoscale** (2019).  
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*Bacillus subtilis MutS modulates RecA-mediated DNA strand exchange between divergent DNA sequences*
- 56) Marin-Gonzalez A, Vilhena JG, Moreno-Herrero\* F and Perez\* R. **Physical Review Letters** (2019).  
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- 55) Wilkinson OJ, Martín-González A, Kang H, Northall SJ, Wigley DB, Moreno-Herrero F and Dillingham MS\*. **eLife** (2019).  
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*Force determination in lateral magnetic tweezers combined with TIRF microscopy*
- 50) Vilhena JG, Gnecco E, Pawlak R, Moreno-Herrero F, Meyer E and Perez\* R. **Journal of Physical Chemistry B** (2018).

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*Stick-Slip Motion of ssDNA Over Graphene*

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