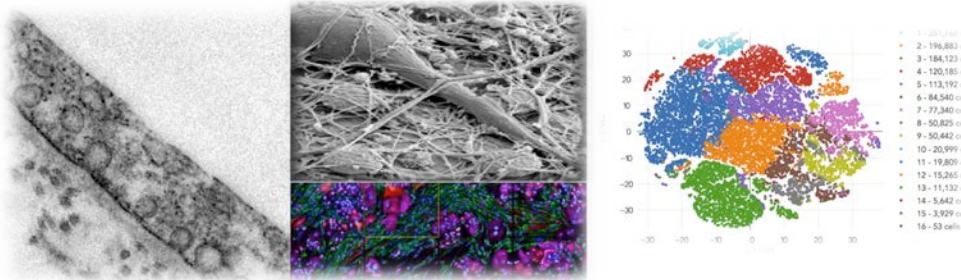


Postdoctoral position: links between tumor stromal remodelling and immunotherapy



The **Mechanoadaptation and Caveolae Biology Lab** at CNIC led by Prof. Miguel Angel del Pozo is recruiting a postdoctoral fellow to lead an emerging research line on mechanisms regulating tumor immunity through stromal remodelling. The selected candidate will combine state-of-the-art immunobiology and exosome biology, advanced *omics* and biophysics with advanced mouse models of disease, in collaboration with top laboratories in the field (Dr. David Sancho, CNIC-Madrid, and Prof. Ignacio Melero CIMA-Navarra) to explore the cellular and molecular links between tumor stromal architecture and tumor immunomodulation. **The project has recently been awarded an AECC grant** (“Caveolin-1-dependent stromal remodeling: a potential novel target for cancer immunotherapy”)

We welcome **highly motivated candidates** to apply to the upcoming **Juan de la Cierva postdoctoral programmes**, as well as other suitable international programmes such as **AACR Immuno-oncology Research Fellowships, EMBO LTF, MSCA-IEF or HFSP**, if mobility requirements are met. Eligible candidates should possess a **strong academic record**, with first authorship of at least **one Q1 publication**. Previous experience preferentially in **immunology**, but also in **extracellular matrix biology, tumor immunity, proteomics**, and/or research with **animal models**, will be very positively valued.

A PDF enclosing a **letter of motivation, CV and contact details of 3 references** should be addressed to the team’s Scientific Manager (msancheza@cnic.es). Informal inquiries for further information can be requested at +34 914531200, ext. 1161.

Links of interest: <https://www.cnic.es/en/investigacion/mechanoadaptation-and-caveolae-biology>
https://www.aecc.es/sites/default/files/content-file/24_09_PROYECTOS_AECC_2020.pdf
www.aecc.es/es/investigacion/proyectos-aecc/descubren-como-actua-molecula-fabricar-escudo-protector-tumores

SELECTED PUBLICATIONS:

1. **L. Albacete-Albacete, [...] MA del Pozo.** “ECM deposition is driven by caveolin1-dependent regulation of exosomal biogenesis and cargo sorting”. (2020) *J Cell Biol* 219(11):e202006178. doi: 10.1083/jcb.202006178.
2. **MA del Pozo, F. Lolo, A. Echarri.** “Caveolae: mechanosensing and mechanotransduction devices linking membrane trafficking to mechanoadaptation”. (2020) *Curr Op Cell Biol* Nov 11;68:113-123. doi: 10.1016/j.ceb.2020.10.008.3
3. **A. Echarri, [...] MA del Pozo.** “An Abl-FBP17 mechanosensing system couples local plasma membrane curvature and stress fiber remodeling during mechanoadaptation”. (2019) *Nat Commun* 10, 5828
4. **Moreno-Vicente R, [...] MA del Pozo.** “Caveolin-1 Modulates Mechanotransduction Responses to Substrate Stiffness through Actin-Dependent Control of YAP”. (2018) *Cell Rep* 25(6):1622-1635.e6
5. **S Minguet, [...] MA del Pozo.** “Caveolin-1-dependent BCR nanoscale organization prevents B cell malfunction and autoimmunity”. (2017) *Nat Immunol* (10):1150-1159
6. **I Navarro-Lérida, [...] MA del Pozo.** “Rac1 nucleocytoplasmic shuttling drives nuclear shape changes and tumor invasion”. (2015). *Dev Cell* 32:318-334. # Highlighted by Dev Cell “Previews”
7. **R Strippoli, [...] MA del Pozo.** “Caveolin-1 deficiency induces a MEK-ERK1/2-Snail-1-dependent epithelial-mesenchymal transition and fibrosis during peritoneal dialysis”. (2015) *EMBO Mol Med.* Mar;7(3):357
8. RG Parton, **MA del Pozo.** “Caveolae as plasma membrane sensors, protectors and organizers” (2013) *Nat Rev Mol Cell Biol* Feb;14(2):98-112
10. **JG Goetz, [...] MA del Pozo** “Biomechanical remodeling of the microenvironment by stromal caveolin-1 favors tumor invasion and metastasis” (2011) *Cell* Jul 8;146(1):148-63

This information does not contain a public job offer. Job offers for specific vacancies are posted on the job portal <https://www.cnic.es/es/trabajar-cnic-0>. Interested candidates should send their applications via the appropriate specific job offer, otherwise they won't be evaluated. The specific job offer is therefore, the only channel of participation in selection processes.