

Adria Canellas-Socias

Postdoctoral Scholar, Stanford Cancer Institute

Bio

HONORS AND AWARDS

- Pfizer Prize for Scientific Innovation to Young Investigators, Pfizer Foundation (2023)
- EMBO Long-Term Postdoctoral Fellowship, European Molecular Biology Organization (EMBO) (2022-2024)
- Ramon Areces Postdoctoral Fellowship, Ramon Areces Foundation (2022-2023)
- PhD Extraordinary Prize, University of Barcelona (2023)
- Best Research Article in 2023, Catalan Society of Biology (2023)
- Best PhD Thesis - 2nd Prize, Lilly Foundation (2022)
- Cancers Best PhD Thesis Award, MDPI (2022)
- Galen Prize for Biomedical Research, Imperial College London (2016)

STANFORD ADVISORS

- Crystal Mackall, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: https://scholar.google.com/citations?user=Uf7__msAAAAJ&hl=en&authuser=1
- My ORCID: <https://orcid.org/my-orcid?orcid=0000-0002-8373-7803>

Publications

PUBLICATIONS

- **Mechanisms of metastatic colorectal cancer.** *Nature reviews. Gastroenterology & hepatology*
Cañellas-Socias, A., Sancho, E., Batlle, E.
2024
- **Metastatic recurrence in colorectal cancer arises from residual EMP1(+) cells** *NATURE*
Canellas-Socias, A., Cortina, C., Hernando-Momblona, X., Palomo-Ponce, S., Mulholland, E. J., Turon, G., Mateo, L., Conti, S., Roman, O., Sevillano, M., Slebe, F., Stork, D., Caballe-Mestres, et al
2022; 611 (7936): 603+
- **TGF beta drives immune evasion in genetically reconstituted colon cancer metastasis** *NATURE*
Tauriello, D. V. F., Palomo-Ponce, S., Stork, D., Berenguer-Llergo, A., Badia-Ramentol, J., Iglesias, M., Sevillano, M., Ibiza, S., Canellas, A., Hernando Momblona, X., Byrom, D., Matarin, J. A., Calon, et al
2018; 554 (7693): 538+
- **Membrane to cortex attachment determines different mechanical phenotypes in LGR5+ and LGR5- colorectal cancer cells.** *Nature communications*
Conti, S., Venturini, V., Canellas-Socias, A., Cortina, C., Abenza, J. F., Stephan-Otto Attolini, C., Middendorp Guerra, E., Xu, C. K., Li, J. H., Rossetti, L., Stassi, G., Roca-Cusachs, P., Diz-Munoz, et al
2024; 15 (1): 3363

- **CRISPR Knock-Ins in Organoids to Track Tumor Cell Subpopulations.** *Methods in molecular biology (Clifton, N.J.)*
Cortina, C., Canellas-Socias, A.
2024; 2811: 137-154
- **Antitumor T-cell function requires CPEB4-mediated adaptation to chronic endoplasmic reticulum stress.** *The EMBO journal*
Fernandez-Alfara, M., Sibilio, A., Martin, J., Tusquets Uxo, E., Malumbres, M., Alcalde, V., Chanes, V., Canellas-Socias, A., Palomo-Ponce, S., Batlle, E., Mendez, R.
2023: e111494
- **Long-term platinum-based drug accumulation in cancer-associated fibroblasts promotes colorectal cancer progression and resistance to therapy.** *Nature communications*
Linares, J., Sallent-Aragay, A., Badia-Ramentol, J., Recort-Bascuas, A., Méndez, A., Manero-Rupérez, N., Re, D. L., Rivas, E. I., Guiu, M., Zwick, M., Iglesias, M., Martínez-Ciarpaglini, C., Tarazona, et al
2023; 14 (1): 746
- **Cohesin couples transcriptional bursting probabilities of inducible enhancers and promoters** *NATURE COMMUNICATIONS*
Robles-Rebollo, I., Cuartero, S., Canellas-Socias, A., Wells, S., Karimi, M. M., Mereu, E., Chivu, A. G., Heyn, H., Whilding, C., Dormann, D., Marguerat, S., Rioja, I., Prinjha, et al
2022; 13 (1): 4342
- **Mex3a marks drug-tolerant persister colorectal cancer cells that mediate relapse after chemotherapy** *NATURE CANCER*
Alvarez-Varela, A., Novellademunt, L., Barriga, F. M., Hernando-Momblona, X., Canellas-Socias, A., Cano-Crespo, S., Sevillano, M., Cortina, C., Stork, D., Morral, C., Turon, G., Slebe, F., Jimenez-Gracia, et al
2022; 3 (9): 1052-+
- **Functional patient-derived organoid screenings identify MCLA-158 as a therapeutic EGFR x LGR5 bispecific antibody with efficacy in epithelial tumors** *NATURE CANCER*
Herpers, B., Eppink, B., James, M., Cortina, C., Canellas-Socias, A., Boj, S. F., Hernando-Momblona, X., Glodzik, D., Roovers, R. C., van de Wetering, M., Bartelink-Clements, C., Zondag-van der Zande, V., Mateos, et al
2022; 3 (4): 418-+
- **ERK1/2 Signaling Induces Upregulation of ANGPT2 and CXCR4 to Mediate Liver Metastasis in Colon Cancer** *CANCER RESEARCH*
Urosevic, J., Teresa Blasco, M., Llorente, A., Bellmunt, A., Berenguer-Llargo, A., Guiu, M., Canellas, A., Fernandez, E., Burkov, I., Clapes, M., Cartana, M., Figueras-Puig, C., Batlle, et al
2020; 80 (21): 4668-4680