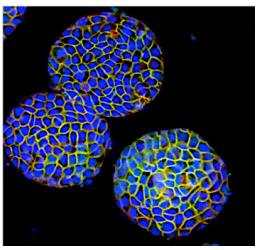
Instituto de Neurociencias
Consejo Superior de Investigaciones Científicas
Universidad Miguel Hernández

Prof. M. Angela Nieto



Postdoc position for 2 years

Postdoctoral contract for 2 years available in the lab of Prof. M. Angela Nieto, "Cell movements in development and disease" at Neuroscience Institute (CSIC-UMH) in Alicante, Spain **Available from March 1st, 2022** (negotiable).

We are seeking a highly motivated candidate to join us on a wide project within the frame of a Grant entitled **Microenvironmental regulators of organ-specific metastatic colonization as therapeutic targets** funded by the Spanish Association against cancer (**aecc**). In cancer, the most challenging and critical process for patient outcome is metastasis formation. We have been working for more than 20 years on the mechanisms that drive cell plasticity in development, fibrosis and cancer. We have used an unbiased approach to select candidates that regulate cell plasticity at the metastatic niche and can induce colonization and proliferation. The potential antimetastatic therapeutic targets will be tested in mouse and zebrafish cancer models, and patient-derived samples and xenografts (PDXs).

Selected references:

- Ocaña et al. (2012) Metastatic colonization requires the repression of the epithelial-mesenchymal transition inducer Prrx1. **Cancer Cell** 22, 709-724.
- Grande et al. (2015). Snail1-induced partial epithelial-to-mesenchymal transition drives renal fibrosis in mice and can be targeted to reverse established disease. **Nat. Med.** 21, 989-997.
- Nieto et al. (2016). EMT: 2016. **Cell** 166, 21-45.
- Brabletz et al. (2018). EMT in cancer. **Nat Rev Cancer** 18, 128-134.
- Fazilaty et al. (2019). A Gene Regulatory Network to Control EMT Programs in Development and Disease. **Nat Comm.** 10, 5115.
- Li et al. (2020). Genetic Fate Mapping of Transient Cell Fate Reveals N-Cadherin Activity and Function in Tumor Metastasis. Dev Cell 54, 593-607.

Interested candidates with proven experience in cancer research please send a letter of motivation describing the interest in our project together with a full CV and two contacts for reference letters.

Contact by e-mail

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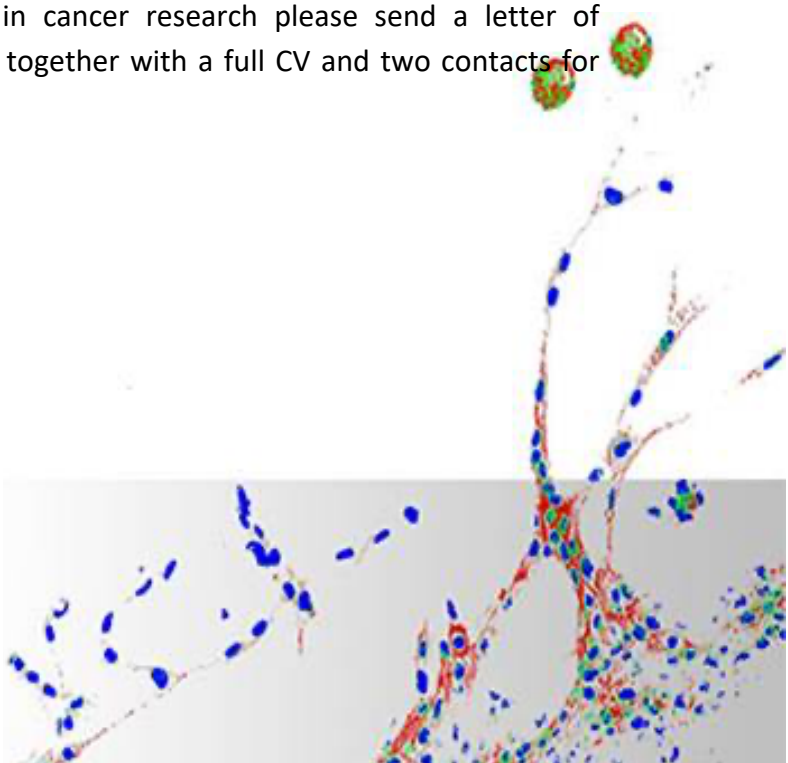

EXCELENCIA SEVERO OCHOA
2014-2022