



## María Soengas Melanoma Group

Melanomas are the only tumors where **metastases** can develop from lesions over a millimetre in depth. Our group at the Spanish National Cancer Research Centre (CNIO) in Madrid, Spain is interested in understanding and blocking this aggressive behavior. We have discovered a variety of genes that define the “**melanoma fingerprint**” (i.e. factors that distinguish melanoma from other diseases), have reported key molecular vulnerabilities that represent tractable **targets for therapeutic intervention** and generated **new animal models for gene discovery and pharmacological testing** (see below).

We are now pursuing a series of competitive projects funded by Spanish and European grants (ERC-Advanced Grant) for **large-scale analyses of melanoma initiation, progression and response to therapy *in vivo***.

### Lab Manager

#### Requirements

- PhD in Biological/Biomedical Sciences
- 3-4 year hands-on expertise in molecular biology techniques, including, but not limited, to tumor cell culture, animal handling, DNA/RNA/protein processing.
- Expertise in laboratory organization and project management.

#### Duties

- Daily organization of the laboratory
- Ordering supplies
- Supervision of operational and safety procedures
- Database management
- Training and supervision of undergraduate and graduate students

### Postdoctoral Fellows

#### Experts in Tumor Biology

- PhD in Biological/Biomedical Sciences
- Proven expertise in mechanisms of tumor initiation, metastasis and response to therapy *in vitro* and *in vivo* (with first authorship publications)
- Background in tumor immunology (sorting and functional characterization of myeloid and lymphoid cells)

#### Experts in Computational Biology

- PhD in Biological/Biomedical/Bioinformatics or Computational Sciences
- Proven expertise in handling and processing of -omic analyses (ATAC-seq, proteomic, transcriptomic studies), with particular emphasis on single cell-based analyses
- Expertise in machine learning would be valuable

### Pre-doctoral Fellows

- Masters in Biological/Biomedical/Computational Sciences
- Hands-on expertise (rotations) in techniques related to cancer biology and/or bioinformatics as indicated above

Those interested in positions indicated here, send CV and contact María Soengas at [msoengas@cni.es](mailto:msoengas@cni.es)

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Tormo et al (2009). *Cancer Cell* 16(2):103-14; Alonso-Curbelo et al. (2014). *Cancer Cell* 26(1):61-76. Garcia-Fernandez M., et al. (2016). *Autophagy* Jul 27:1-15; Pérez-Guijarro et al. (2016). *Nat Commun* Nov 18; 7:13418. Olmeda et al. (2017) *Nature* Jun 28;546(7660):676-680 ; Cifdaloz et al. (2017). *Nat Commun* Dec 21;8(1):2249; Karras et al. (2019) *Cancer Cell* Jan 14;35(1):46-63.