

**POSTDOCTORAL FELLOW AT THE SPANISH NATIONAL CANCER RESEARCH
CENTRE**

We are looking for a highly motivated postdoctoral fellow interested in the identification and functional characterization of predictive genetic markers for precision medicine. The post-doc will be supervised by Dr. Anna González-Neira, head of the Human Genotyping Unit, Human Cancer Genetics Programme at the Spanish National Cancer Research Centre (www.cnio.es)

- Applicants should hold a PhD in a biology-related field and extensive experience in bioinformatics
- Have previous experience in Genome Wide Association Study (GWAS) analyses and high-throughput next-generation sequencing, including Exome-Seq, RNA-Seq and ChIP-Seq.
- Knowledge in statistics risk modeling
- Have working knowledge of basic molecular techniques (PCR, real time PCR, IHQ...) cell culturing and functional studies on genetic variants.
- Experience in chromatin conformation analysis and CRISPR genome editing techniques will be appreciated
- Be fluent in English (written and spoken)
- Ability to write manuscripts independently
- Ability to work both independently and in a team environment

TASKS:

- Analyze large genomic data sets (WES, RNAseq, methylome) and interpret results
- Characterize the role of genetic variation by functional studies
- Development of biomarker-based risk models
- Network with other international partners
- Present results at national and international meetings

RESEARCH GROUP DESCRIPTION

The unit research is focused on the identification of predictive biomarkers for precision medicine. We are interested to identify genetic markers associated with cancer risk and anticancer drug adverse reactions and to gain a better understanding of the mechanisms underlying the susceptibility in cancer patients. For this, we use different strategies using different OMIC data (exome, methylome, transcriptome...), in vitro functional studies and data integration. Our final aim is to develop novel predictive models to be translated into the clinic to improve the diagnosis, prognosis and treatment of patients.

Applicants should send their applications by e-mail to personal@cnio.es, clearly quoting the Reference: **AIPOSCEGEN** in the subject line of the e-mail.

Applications and resumes without a reference will not be considered.

For further details contact: agonzalez@cnio.es