



SANDRA FERREIRO LÓPEZ

My career as a **biotechnologist** started at “Universidad Francisco de Vitoria” (UFV), where I focused my studies in the health field obtaining two UFV Bright Academic Record Scholarships (2014-2016). I finished this programme doing a four months internship at Newcastle University where I done my bachelor’s thesis about how vangl2 and inversin genes affect the structure involved in left-right asymmetry development.

Along that time I could improve my expertise in several techniques such as microinjections, immunofluorescence, microscopy and PCR, the capacity to solve conflicts with a high level of independency and my English oral and writing skills as a scientist due to the different talks developed during my instance. Furthermore, I presented my project in a Cardiovascular Research Centre Conference Trainees Meeting (June 13th, 2018 at Newcastle University). This meeting was organized for Undergraduate, Master’s and PhD students, being selected to give a brief presentation and **awarded** for the best poster.

Later on, I understood the importance of bioinformatics in science. Technology is present in our life and science also needs from it. For that reason, I decided to specialize myself in **Computational Biology** studying the Master offered by the “Universidad Politécnica de Madrid”. This master has awakened my interest in the Genomic Assisted Breeding area, but it has also reinforced my interest in genomics health applications, willing to be enrolled in genetic diagnosis as a further step.

To delve into the -omics field, for my Master’s thesis I am studying Metabolic Interaction Networks in the Microbiome of patients with Crohn’s disease. The project is being developed with Jaime Iranzo in the “Centro de Biotecnología y Genómica de Plantas” (**CBGP**), one of the **Center of Excellence Severo Ochoa** of Spain.

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