



Instituto Universitario de Investigación
**Biocomputación y Física
de Sistemas Complejos**
Universidad Zaragoza

David Ortega Alarcón

He graduated in Biochemistry, with a master's degree in Translational Biomedical Research. He did his PhD thesis on the biophysical characterization of MeCP2 as a reader of epigenetic marks in DNA and histones and its potential as a pharmacological target, under the direction of Adrián Velázquez and Olga Abián at the University of Zaragoza, with stays at the Josep Carreras Institute. Currently, he is a postdoctoral researcher at IIS-Aragon in the digestive pathology group.



Researcher profile

Currently, he is an R3 level researcher, working on two lines of research: the study of intrinsically disordered protein interactions, focusing on their use as pharmacological targets to treat cancer and neurodevelopmental problems, and on projects to identify new biomarkers that allow early detection of diseases and classify patients according to their risk.

Lack of stable structure

Importance of his research

His research focuses on intrinsically disordered proteins (IDPs), especially their role in pancreatic cancer and their potential as therapeutic targets. He develops methodologies to identify inhibitors of key IDPs, such as c-MYC and NURP1, improving the design of drugs targeting “unmodulatable” proteins. Their work contributes to improving the efficacy of oncology treatments, increasing the survival and quality of life of patients.

