# Pilar Cervelló Aran

*WG Member*

PhD student at *Hospital Universitari Sant Joan de Reus* and the *Institut d'Investigació Sanitària Pere Virgili* (IISPV), Reus, Spain, and doctoral candidate at the Faculty of Biomedicine, *Universitat Rovira i Virgili* (URV), Tarragona.

She holds a Bachelor's degree in Biotechnology from the University of Lleida and a Master's degree in Tumour Immunology and Cancer Immunotherapies from the University of Zaragoza and completed an Erasmus mobility stay at the University of Helsinki. Her doctoral research focuses on translational oncology and multi-omics approaches for cancer prevention and early detection. She gained early research experience at the Disease Models in *Drosophila melanogaster* group at the Biomedical Research Institute of Lleida (IRBLleida), contributing to the identification of novel genes involved in colorectal cancer development. She later worked at *Hospital Clínic de Barcelona* within the *Institut d'Investigació Biomèdica August Pi i Sunyer* (IDIBAPS), as part of the Immunogenetics and Immunotherapy group, contributing to the detection of tumor-reactive T-cell selection in breast cancer therapies.

She currently works as a research technician at IISPV within the oncological, translational, epidemiological, and clinical (GIOTEC) research group. She has contributed to several competitive projects, including METAspread (2024PROD00115), focused on a metabolomics-based lateral flow assay for colorectal cancer detection (AGAUR Producte), CRCimpact (IMPACTE 2024, AGAUR), aimed at promoting early colorectal cancer detection, and the Life Fluids project (1388, Life Fluids 2.0), supporting scientific outreach and population-based engagement activities. She has participated in international scientific meetings, including the Metabolomics 2025 Conference (Prague), where she presented a poster on cancer research. She is also actively involved in science communication and public engagement, through public lectures and outreach activities organized in collaboration with patient associations, including *La Lliga Contra el Càncer*.

In 2026, she was awarded a four-year PFIS PhD fellowship from the *Instituto de Salud Carlos III* (ISCIII). Within this framework, she contributes to the FIS project (PI24/00794), focused on multi-omics biomarker discovery for colorectal cancer diagnosis and patient cancer stratification, integrating metabolomics and genomics to advance early cancer detection strategies. Her research interests include cancer prevention, early detection, biomarker discovery, translational oncology and multi-omics data integration to support clinical and public health decision-making.