Atocha Romero, PhD

WG Member

Atocha Romero is a Laboratory Medicine specialist with a PhD in Molecular Biology from the Complutense University of Madrid. She is Head of the Liquid Biopsy Laboratory within the Medical Oncology Department at Hospital Universitario Puerta de Hierro Majadahonda, Madrid.

Since establishing the Liquid Biopsy Laboratory in 2015, she has combined molecular diagnostic practice with translational research in precision oncology. The laboratory provides non-invasive molecular testing and conducts research projects focused primarily on patients with lung cancer.

Her research interests include circulating tumour DNA, blood-based cancer biomarkers, molecular profiling, treatment-response monitoring, mechanisms of resistance and the detection of molecular residual disease. She has contributed to the development and clinical validation of liquid biopsy strategies and to translational studies associated with national and international lung cancer trials.

Dr Romero has led and participated in several competitive research projects, authored more than 100 publications in peer-reviewed scientific journals and supervised doctoral researchers. Her work focuses on translating molecular advances into clinically applicable tools to improve cancer detection, disease monitoring and personalised treatment in lung cancer.