

Dr. Elena Guerini Rocco is a Pathologist at the Division of Pathology of the European Institute of Oncology (IEO), serving as the Director of the Oncology Genetics Unit. She is also an Assistant Professor of Pathology at the Department of Oncology and Hemato-Oncology of the University of Milan. Additionally, she is a member of the Molecular Tumor Board at the Institute.

## RESEARCH ACTIVITY

Dr. Elena Guerini Rocco's translational research activities are focused on the study of new prognostic/predictive biomarkers in solid tumors combining traditional pathology with cutting-edge molecular analyses and with multiplex outlooks in molecular pathology and immunopathology. In this regard, she is also involved in the implementation into clinical practice of the most updated biomarker testing approaches and molecular diagnostic workflows. She is the author of numerous scientific publications in indexed journals and book chapters, resulting from national and international collaborations.

<https://pubmed.ncbi.nlm.nih.gov/?term=elena+guerini+rocco&sort=date>

## CLINICAL ACTIVITY

Dr. Guerini Rocco's clinical focus revolves around molecular diagnostics and predictive pathology, particularly in molecular profiling of solid tumors. This includes diagnostic, prognostic, and predictive biomarker analysis using state-of-the-art immunohistochemical and sequencing platforms (next-generation sequencing, NGS). As the medical coordinator for the Pathology Division within the Molecular Tumor Board (MTB) at the Institute, she actively contributes to the evaluation and discussion of clinical cases, ensuring a comprehensive understanding of biomarker status in patients with solid tumors.

## TEACHING ACTIVITY

Elena Guerini Rocco is a Lecturer in Pathological Anatomy at the University of Milan, where she lectures in the International Degree Course of the Faculty of Medicine (International Medical School, IMS) as head of the pathological anatomy module in the course "Clinical Oncology and Radiotherapy". She is also a lecturer responsible for the pathology module in the Bachelor's Degree Program in Biomedical Laboratory Techniques and the Physiotherapy Degree Program. Dr. Guerini Rocco is a Lecturer in the School of Specializations in Pathological Anatomy and the School of Specialization in Radiotherapy; she is also a member of the Teaching Board of the School of Doctorate in Translational Medicine. In addition to her academic activity, Dr. Elena Guerini Rocco is a lecturer and scientific leader in numerous national and international educational events aimed at guaranteeing continuous medical education for professionals in the field of predictive oncological pathology.