



Molecular Biomarkers in Cancer and Their Applications

Guest Editor:

Dr. Cristina Peña

1. Medical Oncology Department,
Instituto Ramón y Cajal de
Investigación Sanitaria (IRYCIS),
Alcalá University, 28034 Madrid,
Spain

2. Centro de Investigación
Biomédica en Red de Cancer
(CIBERONC), 28029 Madrid, Spain

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Message from the Guest Editor

A molecular biomarker in cancer is a measurable indicator, including genetic variations, differences in messenger RNA (mRNA) and/or protein expression, post-translational modifications of proteins, metabolite levels, among others. A large amount of literature has demonstrated the potential of different molecular biomarkers for clinical utility. Thus, molecular biomarkers guide disease diagnostics or drug treatment in many settings. Based on their clinical use, they can be classified as diagnostic, prognostic, pharmacodynamic or predictive cancer biomarkers. Currently, the use of liquid biopsy, mainly blood or serum, to identify molecular biomarkers is showing high potential to better understand tumor heterogeneity and tumor molecular behavior in order to identify the best type of treatment.





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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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