

Special Issue

Recent Advances in the Diagnosis and Prognosis of Lung Cancer

Message from the Guest Editor

Lung cancer persists as one of the most widespread and lethal malignancies globally, driving the urgent need for innovative diagnostic and prognostic strategies to improve survival and patient outcomes. This Special Issue spotlights cutting-edge research and technological advancements reshaping the field, with a dual emphasis on precision detection and personalized prognostication. At the forefront of diagnosis, emerging imaging modalities, molecular biomarker discovery, and genomic profiling are revolutionizing early detection and diagnostic accuracy. These tools address critical challenges such as tumor heterogeneity and late-stage presentation, offering hope for timely intervention. Complementing these advances, artificial intelligence (AI)-driven predictive models and genomic signatures are redefining prognostic paradigms, enabling clinicians to stratify risk, predict therapeutic response, and tailor management plans to individual patients. By synthesizing contributions from leading researchers and clinicians, this issue provides a comprehensive examination of both current innovations and future trajectories in lung cancer care.

Guest Editor

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