

Special Issue

Skin Cancer: Molecular Drivers, Biomarkers, Non-Invasive Diagnostics and Therapeutic Strategies

Message from the Guest Editors

Skin cancer represents the most common malignancy worldwide and encompasses a broad spectrum of entities, including melanoma and non-melanoma skin cancers (NMSC). Despite recent advances in prevention and treatment, incidence continues to rise, highlighting the urgent need to better understand molecular mechanisms, identify reliable biomarkers, and implement precision strategies for early detection and therapy monitoring. This Special Issue aims to provide an integrative overview of recent advances in molecular oncology, biomarker discovery, and therapeutic innovation in skin cancer. Topics include oncogenic pathways, tumor–microenvironment interactions, genomic and epigenomic regulation (including microRNAs), and translational therapeutic strategies such as targeted agents and immunotherapies. Emphasis will also be placed on resistance mechanisms, preclinical and clinical models, and the development of non-invasive diagnostic approaches—such as dermoscopy, reflectance confocal microscopy (RCM), line-field confocal optical coherence tomography (LC-OCT), and total-body photography—applied to disease monitoring.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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