

Special Issue

State-of-the-Art Molecular Oncology in Israel

Message from the Guest Editors

DNA characterization as part of the oncological clinical care and research today is one of the leading aspects in the Oncologist research. Available capabilities in the tool-box utilize a panel of sequencing applications among of which are massive parallel -, whole exome - and whole genome sequencing. These are routinely applied now on clinical samples including plasma and formalin fixed paraffin embedded tissue. In parallel, enhanced know-hows in bioinformatics serve to better extract the pertinent data for a research question. Although genomic, transcriptomic and immunohistochemical analyses of tumor tissues have immensely contributed to early-detection diagnostic and provide a wealth of information, understanding the molecular mechanism of cancer stem cells is in the frontline. Translational means to eradicate cancer stem cells are highly warranted and the focus of current efforts in Oncology.

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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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