

Special Issue

Molecular Mechanisms and Therapies of Malignant Mesothelioma 2.0

Message from the Guest Editor

Malignant mesothelioma (MM) is a rare and aggressive neoplasm related to exposure to asbestos with high impact in public health given its late diagnosis, dismal prognosis, and lack of current efficient therapies. Important insights have recently been made in the understanding of MM's complex biology and the cancer development process. Examples of these include the identification of new biomarkers and the deciphering of gene–environment interactions, deregulated pathways, altered expression of miRNAs, differences in DNA methylation, proteomic composition or metabolic profile, but have not been established in clinical routine use yet.

Given these improvements, new risk assessment procedures and therapeutic strategies are being explored in order to 1) introducing interaction between genetic and epigenetic related variables (as for example bio aging indicators) to better characterize the MM pathway, 2) evaluate new statistical/ML approaches in order to investigate integrative approaches including more than one omics dataset simultaneously.

Guest Editor

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