

Volume  
165



Leon V. Berhardt  
Editor

# Advances in Medicine and Biology

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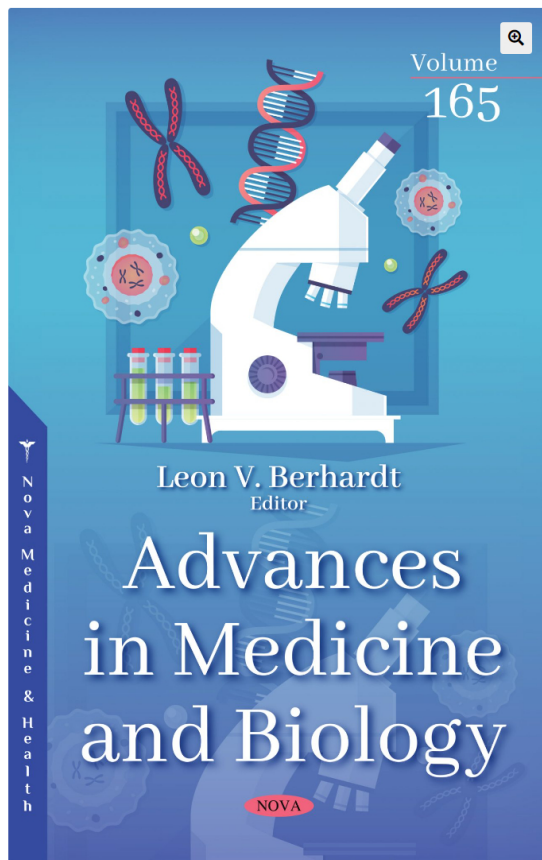
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## Advances in Medicine and Biology. Volume 165

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Advances in Medicine and Biology. Volume 165 first presents promising information about the essential goal of effective and safe medication for target patients with the appropriate genotypes.

The authors explore the diverse causes of neonatal leukemoid reaction in premature infants proposed by Hill and Duncan in 1941, such as intrauterine infection and maternal steroid administration.

This compilation also explores hypoxia-inducible factor-1, a key gene regulator for cellular adaptation to hypoxia which leads to a transcriptional response under physiological as well as pathological conditions.

From a historical perspective, Wilms' tumor treatment is assessed, focusing on the different approaches of the two main groups, the Children's Oncology Group and the International Society of Paediatric Oncology.

The genetics and genomics of Plasmodium, which include multiple parameters and factors affecting disease transmission, are assessed in an effort to enhance our knowledge about the disease.

Following this, whole slide imaging or virtual microscopy is used for the quantitative evaluation of liver biopsy specimens of patients with chronic hepatitis.

The closing study examines data which reveals changes in the functioning of the ceruloplasmin/transferrin system, decreasing the content of toxic ions of Fe<sup>2+</sup> in the plasma of patients with Parkinson's disease. These changes are a pathogenetically significant factor of Parkinson's disease at all stages.

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