



## Myelodysplastic Syndromes: Advances and Challenges in Pathophysiology and Therapeutic Approaches

Guest Editor:

**Dr. Maria Cuzzola**

Hospital “Grande Ospedale  
Metropolitano”, Reggio Calabria,  
Italia

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### Message from the Guest Editor

Dear Colleagues,

Myelodysplastic syndromes (MDS) are a group of heterogeneous myeloid clonal diseases originating from hematopoietic stem cells, characterized by abnormal differentiation and development of myeloid cells, manifested as ineffective hematopoiesis, refractory cytopenia, hematopoietic failure, and a high risk of transformation to acute myeloid leukemia (AML). Since the etiology and pathogenesis have not been fully elucidated, there is no unified, specific treatment plan for MDS. Chemotherapy, immunotherapy, thalidomide and its analogues, and hematopoietic stem cell transplantation are the most researched treatments for MDS. In this Special Issue, we highlight recent advances in our understanding of the pathophysiology of MDS and new therapeutic approaches, and we welcome submissions of original research papers and review papers.

Dr. Maria Cuzzola

*Guest Editor*





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### Prof. Dr. Felipe Fregni

1. Neuromodulation Center and  
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MA 02114, USA  
2. Department of Epidemiology,  
Harvard T.H. Chan School of  
Public Health, Boston, MA 02115,  
USA

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*Biomedicines* Editorial Office  
MDPI, St. Alban-Anlage 66  
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