

## Special Issue

# Innovative Approaches in Drug Design: The Pathway from Molecular Mechanisms to New Therapeutic Interventions

### Message from the Guest Editors

The field of drug design is undergoing a transformative phase characterized by the exploration of pioneering strategies that transcend traditional paradigms. At the heart of these innovative actions lies a deep understanding of the molecular foundations of diseases, coupled with the development of sophisticated tools and technologies which, informed by structural biology, computational chemistry, pharmacology, and bioinformatics, are aimed at manipulating these complex biological pathways. The elucidation of three-dimensional structures of relevant biomolecules at atomic resolution enables the precise targeting of specific molecular targets implicated in disease progression. In this Special Issue, we welcome articles dealing with all aspects of drug design research, from basic to clinical studies, and invite scientists and drug specialists to publish their original research works, review articles, and communications on this wide health domain.

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### Guest Editors

Dr. Cristina Manuela Dragoi  
Dr. Alina Crenguta Nicolae  
Dr. Ion-Bogdan Dumitrescu

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### Deadline for manuscript submissions

closed (20 January 2025)



## Biomedicines

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## About the Journal

### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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### Editor-in-Chief

Prof. Dr. Felipe Fregni

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