

Special Issue

Recent Advances in Computational Drug Discovery: From In Silico Screening to Multiscale De Novo Drug Design

Message from the Guest Editor

Diseases continue to plague modern societies, and over time, through the process known as drug discovery, a plethora of therapeutic options has been introduced to cure illnesses. Unfortunately, the scientific community still faces several challenges in drug development. On one hand, it is well-established that the chemical space to be covered in the search for new drugs is vast, being formed by approximately 1060 small molecules. On the other hand, diseases are difficult to treat because of their multifactorial nature, such as drug resistance. Consequently, designing a new drug is increasingly expensive, complex, and time-consuming.

To accelerate and improve drug discovery, in silico approaches have become an integral part of all the drug discovery projects, helping to rationalize the design of potent and versatile therapeutic agents.

We are inviting the scientific community to submit original research contributions, short communications, or review articles that highlight the most recent advances in the applications of in silico approaches to all the areas involved in drug discovery.

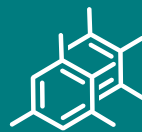
Guest Editor

Prof. Dr. Alejandro Speck-Planche

LAQV@REQUIMTE/Department of Chemistry and Biochemistry, Faculty of Sciences, University of Porto, Porto, Portugal

Deadline for manuscript submissions

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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