

## Special Issue

# Emerging Drug Targets: New Challenges for the Medicinal Chemist

### Message from the Guest Editor

More than 25 years after the “Lipinski’s rule of five” and in the era of drug repurposing, this Special Issue aims to present innovations in modern medicinal chemistry that enable us to understand the importance of developing small molecules for use as drug candidates against emerging targets. In the world of big data, of databases containing millions of fragments, and of artificial intelligence, the discovery and validation of novel pharmacological targets remains a focus of research. This Special Issue aims to collect original contributions that describe the study of new or repurposed compounds targeting innovative pathways or macromolecular interactors. Mechanistic studies, target validation, rational drug design and the repurposing of drugs fall within the scope of this Special Issue. Research and review articles are welcome.

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### Guest Editor

Dr. Giovanni Ribaudò

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### Deadline for manuscript submissions

30 September 2025



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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