

## Special Issue

# A Commemorative Special Issue in Honor of Professor Eliezer J. Barreiro: Early Drug Discovery: From Target Identification and Validation to Lead Optimization

### Message from the Guest Editors

Dedicated to the renowned Professor Eliezer J. Barreiro, this Special Issue honors a visionary and a giant in the field of medicinal chemistry. This Special Issue highlights recent advances in medicinal chemistry that are driving the discovery and development of drugs in their initial stages. We invite original and review articles in the following areas:

- State-of-the-art in different strategies for rational drug design, focusing on the structure of the target protein or ligand, with the addition of contributions and potential on the use of artificial intelligence.
- Challenges and perspectives for the validation of molecular targets.
- Phenotype-driven drug discovery.
- Modern methods of organic synthesis are used to obtain bioactive compounds and drugs.
- Historical aspects of natural products in drug discovery.
- Molecular modification strategies applied to analog-based drug discovery.
- Advances and applications of structural biology and omics in early drug discovery.

### Guest Editors

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### Deadline for manuscript submissions

31 August 2025



## Pharmaceuticals

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## About the Journal

### Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

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### Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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