# **Special Issue**

# Methyl-Containing Pharmaceuticals

## Message from the Guest Editors

For this Special Issue, we will consider manuscripts focused on any type of target involved in pharmaceutical methyl-containing profiles, from peptides to antifungal/anti-tumoral targets, considering a broad spectrum of applications. For example, there are pharmaceuticals targeting GPCRs (multiple G proteincoupled receptors), GPCRs mediate most of our physiological responses to hormones, neurotransmitters and environmental stimulants, and so they have potential as therapeutic targets for a broad spectrum of diseases. Even the smallest modification of a molecule can lead to the discovery of an important therapeutic effect. The methyl effect is well acknowledged in medicinal chemistry; the insertion of the smallest alkyl group could have important implications in modulating the biological activity, selectivity, metabolism and

pharmacokinetic/pharmacodynamic properties of the bioactive molecules already highlighted. The purpose of this Special Issue is to combine synthetic strategies to methylate potential drug profiles with the identification of pharmaceuticals through significant lead optimization processes to create new biologically active compounds.

### **Guest Editors**

Dr. Anna Fantinati

Dept. Department of Environmental and Prevention Sciences – DEPS, University of Ferrara, Via Fossato di Mortara 17, 44121 Ferrara, Italy

### Dr. Davide Illuminati

Dept. of Chemical, Pharmaceutical and Agricultural Sciences – DOCPAS, University of Ferrara, Via Fossato di Mortara 17, 44121 Ferrara, Italy

### Deadline for manuscript submissions

closed (29 December 2023)



## **Pharmaceuticals**

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/154462

Pharmaceuticals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceuticals@mdpi.com

mdpi.com/journal/ pharmaceuticals





## **Pharmaceuticals**

an Open Access Journal by MDPI

Impact Factor 4.8 CiteScore 7.7 Indexed in PubMed



## **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.

### Editor-in-Chief

### Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Cièncias, Universidade de Lisboa, Lisboa, Portugal

### **Author Benefits**

### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

### **High Visibility:**

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

### Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)

