



an Open Access Journal by MDPI

Metabolomics-Driven Drug Discovery and Evaluation

Guest Editors:

Dr. Fengguo Xu

School of Pharmacy and MOE
Key Laboratory of Drug Quality
Control & Pharmacovigilance,
China Pharmaceutical University,
24 Tongjia Lane, Nanjing 210009,
China

Dr. Jianbo Wan

Institute of Chinese Medical
Sciences (ICMS) and State Key
Laboratory of Quality Research in
Chinese Medicine, University of
Macau, Research Building N22
Avenida da Universidade, Taipa,
Macau, China

Deadline for manuscript
submissions:

closed (10 July 2023)

Message from the Guest Editors

Dear Colleagues,

Over the past few decades, metabolomics have evolved from a pure exploratory tool to a more mature quantitative biochemical technology. Metabolomics has now become an accepted and widely applied approach in drug development and evaluation. Functional metabolomics can help to find targets for drug development, suggest the mechanism of drug action, and indicate binding partners of compounds. Pharmacometabolomics play a crucial role in therapeutic drug monitoring (TDM) and clinical individualized drug therapy. Meanwhile, biologically active metabolites are a valuable resource for the development of drug candidates.

This Special Issue seeks novel research contributions in, but not limited to, the following areas:

- Targets discovery for drug development;
- Mechanism of drug action;
- Metabolomics “Big Data” driven strategy for drug discovery;
- Drug individual response;
- The function of biologically active metabolites;
- Drug repurposing;
- Pharmaceutical applications of metabolomics.

We welcome and look forward to your submissions.



mdpi.com/si/145255

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Amedeo Lonardo

1. Formerly Director of the Simple Operating Unit "Metabolic Syndrome", Azienda Ospedaliero-Universitaria, 41126 Modena, Italy
2. Formerly Professor of Internal Medicine, School of Specialization of Allergology and Clinical Immunology, University of Modena and Reggio Emilia, 41121 Modena, Italy

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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 - Q2 (*Biochemistry and Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

Contact Us

Metabolites Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metabolites
metabolites@mdpi.com
[X@MetabolitesMDPI](https://twitter.com/MetabolitesMDPI)