

# Special Issue

## Spatial Metabolomics

### Message from the Guest Editors

Metabolomics aims to characterize all the small molecules derived by cellular processes. In particular, studying metabolites and lipids in their native spatial context is at the forefront of metabolomics and lipidomics research. Along these lines, one of the latest challenges in spatial metabolomics is to map metabolites and lipids with cellular and subcellular spatial resolution. Recent instrumental advancements now allow commercial MSI instruments to offer near single-cell lateral resolutions while still having sufficient sensitivity to detect endogenous metabolites and lipids within the micromolar concentration range.

Furthermore, the integration of MSI with new separation techniques, can further improve the mass resolution and annotation of isobaric and isomeric species. This Special Issue “Spatial Metabolomics”, is dedicated to the strategies for investigating spatial metabolomics, and it is open to method development, bioinformatic solutions and concepts, as well as the application of spatial metabolomics to study cell metabolism and to answer biomedical questions.

---

### Guest Editors

Prof. Dr. Giuseppe Paglia

School of Medicine and Surgery, University of Milano-Bicocca, 20126 Milano, Italy

Dr. Andrew Smith

Clinical Proteomics and Metabolomics Unit, Department of Medicine and Surgery, University of Milano-Bicocca, 20854 Monza, Italy

---

### Deadline for manuscript submissions

closed (30 June 2021)



## Metabolites

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 6.9  
Indexed in PubMed



[mdpi.com/si/53650](https://mdpi.com/si/53650)

*Metabolites*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[metabolites@mdpi.com](mailto:metabolites@mdpi.com)

[mdpi.com/journal/  
metabolites](https://mdpi.com/journal/metabolites)





# Metabolites

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 6.9  
Indexed in PubMed



[mdpi.com/journal/  
metabolites](https://mdpi.com/journal/metabolites)



## About the Journal

### 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.

---

### Editor-in-Chief

Dr. Amedeo Lonardo  
Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-  
Universitaria, 41126 Modena, Italy

---

### Author Benefits

#### 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)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).