



## Biofluid-Based Metabolomics for Biomarker Discovery

Guest Editor:

**Dr. Kévin Contrepois**

Integrated Bioanalysis, Clinical  
Pharmacology and Quantitative  
Pharmacology, Clinical  
Pharmacology & Safety Sciences,  
R&D, AstraZeneca, South San  
Francisco, CA 94080, USA

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### Message from the Guest Editor

Dear Colleagues,

Nowadays, advancements in omics technologies allow the routine generation of high-quality and high-content data from any biological sample, among which metabolomics has quickly become a major screening tool in the field of biomarker discovery due to being the product of gene expression and protein activity and, thus, closest to the phenotype. Both precision health and precision medicine strategies rely on biomarkers to assess disease risk, detect early preclinical conditions, assess disease progression and monitor treatment response.

This Special Issue of *Metabolites* is devoted to biomarker discovery in biofluids using metabolomics technologies, topics covered including, but not limited to, the exploration of novel biological matrixes and sampling procedures, methodological development (sample preparation and data acquisition), the improvement of analysis workflows (data annotation and machine learning approaches) as well as advances in biomarker prioritization, both clinical and translational studies being equally desirable. Herein, the definition of metabolites is broad and includes xenobiotics, complex lipids and lipid mediators.





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## 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.

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## Contact Us

*Metabolites* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

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