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Metabolomics and/or Biomarkers for Drug Discovery

Guest Editor:

Prof. Dr. Pollen K. Yeung

Professor of Pharmacy and
Medicine, College of Pharmacy,
Dalhousie University, Halifax, NS
B3H 4R2, Canada

pollen.yeung@dal.ca

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Message from the Guest Editor

Dear Colleagues,

Metabolomics is the study of biological systems using an integrated approach. It focuses mainly on profiling small-molecule metabolites (metabolic profiling), and differs from genomics and proteomics which characterize the profiles of genes and proteins, respectively. On the other hand, biomarkers are objectively and quantitatively measurable indicators of biological or pathogenic processes. Both metabolomics and biomarkers are increasingly used in drug discovery and development, managing disease progression and personalized medicine. This Special Issue is devoted to the application of metabolomics and/or biomarkers in drug discovery and development. Topics covered by this Special Issue will include (not exclusively): Identification of metabolites and/or biomarkers as targets for drugs and natural health products, validation of targets derived from metabolomics and/or biomarkers, metabolites and/or biomarkers as therapeutics, metabolomics and/or biomarkers for drug development, disease modeling and management, and personalized medicine.

Prof. Dr. Pollen K. Yeung

Guest Editor



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Prof. Dr. Markus R. Meyer

Department of Experimental and Clinical Toxicology, Institute of Experimental and Clinical Pharmacology and Toxicology, Center for Molecular Signaling (PZMS), Saarland University, 66421 Homburg, Germany

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
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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metabolites@mdpi.com