Special Issue

Isotope Guided Metabolomics and Flux Analysis

Message from the Guest Editor

Labeling experiments using stable isotopes are major tools in the analysis of biosynthetic and metabolic processes. Moreover, stable isotope labeled metabolites are widely used as internal references to quantify compounds by isotope dilution analysis. The Special Issue of *Metabolites*, "Isotope Guided Metabolomics and Flux Analysis", will be focused on cutting-edge technologies using stable isotopes for metabolic analysis both from a fundamental as well as an applied point of view. The topics that shall be covered by this Special Issue include recent developments and examples in isotope dilution analysis, as well as in isotope guided metabolic pathway and flux analysis. A special focus shall be given to 13C-labeling methods on a global and single cell level, recent developments and applications in metabolic flux analysis, and applications in the analysis of food and pharmaceutical products. Manuscripts dealing with other challenging issues in the field of isotope guided metabolomics and flux analysis are also highly welcome.

Guest Editor

Prof. Dr. Wolfgang Eisenreich
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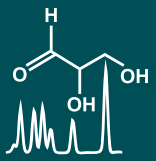
Deadline for manuscript submissions

closed (31 October 2017)



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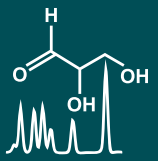

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About the Journal

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
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