



Metabolomics and Chronic Obstructive Lung Diseases

Guest Editor:

Dr. Jessica Lasky-Su

Channing Division of Network
Medicine, Brigham and Women's
Hospital and Harvard Medical
School, Boston, MA, USA

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Message from the Guest Editor

Dear Colleagues,

The generation of metabolomic data in large epidemiological cohorts is now a reality, enabling the use of metabolomics to study the pathogenesis of many high impact diseases. Chronic obstructive lung diseases (COLDs) represent a group of common respiratory illnesses. COLDs are complex in nature, with influences from both genetics and the environment. While genetic variants have been identified for several COLDs, much remains to be understood about the ways in which these variants impact disease. Metabolomics represents an area of research that has the potential to contribute substantially to the understanding of disease etiology. This Special Issue highlights the use of metabolomics in COLDs. Specific areas include, but are not limited to, using metabolomics to study the etiology of COLDs; the generation of metabolic biomarkers for COLDs; the integration of multi-omic data for COLDs, bioinformatics, statistical, network, and analytic approaches that are relevant for COLDs, study design for the metabolomics of COLDs, and tissue-specific metabolomics for respiratory disease.

Assoc. Prof. Jessica Lasky-Su, Sc.D.
Guest Editor





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Editor-in-Chief

Dr. Amedeo Lonardo

Internal Medicine, Ospedale
Civile di Baggiovara, Azienda
Ospedaliero-Universitaria, 41126
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
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