



Small Molecules, Influence of Molecular Pathways 2.0

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Message from the Guest Editor

Small organic molecules that have a molecular weight <1.5 kDa are generated or possibly modified by living cells and various biosystems. Techniques to identify small molecules have been successfully applied in a wide variety of fields, such as chemistry, engineering, medicine, and biology. In many areas, the hunt for small molecules has been extensively applied to study the intra- and extracellular metabolites present. In addition, they play major roles in metabolic pathways that may include energy metabolism, structural molecules, signaling, and others. It has been noted that these are dynamic molecules strongly influenced by genetics, diet, age, lifestyle, drugs, disease, and inflammation. As precision medicine progresses, small molecules that include lipids and others are being noted for their potential to act as unique biomarkers or other indicators.

The aim of this Special Issue is to present both original articles and review papers on the techniques and molecular mechanisms regulated or affected by small organic molecules. Studies on cell-based models, animal models, plant-based systems, and human studies are welcomed.





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Message from the Editor-in-Chief

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