



## Nutrient Metabolites and Their Receptors in Human Diseases

Guest Editor:

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### Message from the Guest Editor

The gut microbiota participate in food digestion, producing a variety of metabolites associated with both human health and disease. These nutrient- and diet-derived metabolites come in the form of short-, medium-, and long-chain fatty acids; secondary bile acids; microbial tryptophans; and other amino acid metabolites resulting from proteinolysis, branched-chain amino acids, phosphatidylcholine metabolites, choline, L-carnitine, and other metabolites derived from high-fat food digestion. There is great potential and ample opportunity to identify and characterize not only how all these metabolites are produced in the human body, but also their physiological actions in cells and tissues, as well as the receptors that mediate their cellular actions. Moreover, this exciting field remains unexplored.

**Keywords:** diabetes; metabolic disorders; cardiovascular disease; receptor; signal transduction; fatty acid; amino acid; metabolism; inflammation





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