

Special Issue

Metabolic Construction of Gut Microbes

Message from the Guest Editor

As part of the Human Microbiome Project, more than 3000 bacterial strains have been identified in the human body. Genome-scale metabolic models are instrumental in uncovering the operating principles of cellular metabolism for model-guided re-engineering and revealing the mechanism of cross-feeding in microbial communities. The metabolic functions of those strains are still unknown and need to be explored; we aim to identify specific metabolites and enzymes using the bioinformatics approach. Based on various sites within an organism, we must build a metabolic model, accounting for phylum and species level, that will help researchers to target specific metabolites and identify novel drugs.

Guest Editor

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Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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