

Special Issue

Advances in Pharmacomicrobiomics

Message from the Guest Editor

Precision medicine aims to identify which drugs at which doses represent the best therapy for every single patient. Evidence is being accumulated that commensal microorganisms living in the human body may metabolize and/or accumulate intracellular drugs given to treat specific diseases, they may affect their clinical efficacy. In addition, these microorganisms may affect drug responses by interfering with drug pharmacodynamics. All of these effects may change interindividually and contribute to the variability in drug responses. The term pharmacomicrobiomics has been introduced to describe the contribution of microbiota to the variability in drug pharmacokinetics and pharmacodynamics. This Special Issue is intended to provide an updated overview on the recent progress in the field of pharmacomicrobiomics, also including strategies to modify the composition of microbiota to improve drug responses. Both original studies and review articles are welcomed for this Special Issue, which we hope will represent a stimulating forum for this new field of precision medicine.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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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