



Advances in Pharmacomicrobiomics

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Mauro Cataldi
Guest Editor





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Message from the Editor-in-Chief

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