

Special Issue

Gene Expression Profiling in *Leishmania*: From Basic Research to Vaccines and Drug Targets

Message from the Guest Editors

Leishmaniasis is a vector-borne neglected parasitic disease associated with poverty, caused by obligate intracellular protozoan parasites of the *Leishmania* genus. Gene expression profiling contributes to a better understanding of the parasite's biology. This background might benefit vaccine and drug target candidate discovery. The eradication of leishmaniasis is far from being achieved. *Leishmania* genomes contain more than 8,000 protein-coding genes. New approaches simultaneously targeting numerous proteins (i.e., drug combinations or vaccines immunizing against many antigens) may lead to a significant advance in this field. For this Special Issue, we welcome research articles, reviews, and commentaries on the gene expression profiling of wild-type and genetically modified *Leishmania* parasites or their extracellular vesicles, including data mining, meta-analysis of previous datasets, strategies to select new vaccine and drug target candidates, methodological aspects of high-throughput gene expression analysis and other proposals related to the topic.

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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