Special Issue

Advances in Molecular Biology of *Entamoeba histolytica*

Message from the Guest Editor

Entamoeba histolytica, the protozoan parasite responsible for human amoebiasis. Understanding the molecular basis of the biological activities of this pathogen has been a challenging topic for scientists. Knowledge of the parasite genome, application of recombinant DNA technology, use of omics data, development of new microenvironments in vitro, and bioinformatics approaches, among other methods, are providing new valuable information on various components of parasite molecular biology. This includes descriptions of genome organization, as well as the structure, function, and interactions of DNA, RNA, and proteins. Other aspects involve molecular mechanisms regulating gene expression, cellular processes, metabolic systems, host–pathogen interactions, relationships with the intestinal microbiome, pathogenicity, or drug resistance.
This Special Issue aims to present the most recent scientific advances in the E. histolytica molecular biology that could contribute to advancements in the diagnosis and control of this human pathogen.

Guest Editor

Dr. Laurence A. Marchat
Sección de Estudios de Posgrado e Investigación, ENMH, Instituto Politécnico Nacional, Ciudad de Mexico 07320, Mexico

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Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

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"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.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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