MOLECULAR AND BIOCHEMICAL PARASITOLOGY

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DESCRIPTION

Molecular and Biochemical Parasitology provides a medium for rapid publication of investigations of the molecular biology and biochemistry of parasitic protozoa and helminths and their molecular interactions with their definitive and intermediate hosts and their vectors.

The main subject areas covered are:

- the structure, biosynthesis, degradation, properties and function of parasite biomolecules - DNA, RNA, proteins, lipids, carbohydrates and small molecular-weight substances host-parasite relationships particularly as related to specific parasite molecules and to the response of host cells to infection vector-parasite relationships at the molecular level intermediary metabolism and bioenergetics drug target characterization and the mode of action of antiparasitic drugs analysis of gene function, expression, and of genome structure and stability analysis of variation in parasite populations relevant to genetic exchange, pathogenesis, drug and vaccine target characterization, and drug resistance; please note that genetic variation data must be supported by phenotypic/experimental data showing the effect of the variation, and that papers reporting solely on allele frequencies in specific regions will not be accepted. parasite protein trafficking, organelle biogenesis, and cellular structure especially with reference to the roles of specific molecules molecular and biochemical aspects of membrane structure and function parasite programmed cell death, development, and cell division at the molecular level methods reports - descriptions of novel or newly-optimized methods with broad applicability to molecular and biochemical parasitology

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