

ABC Transporters in Microorganisms

Research, Innovation and Value as Targets against Drug Resistance



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A skillful selection of topics and a panel of acknowledged experts as authors ensure that this concise volume will be of exceptional importance to everyone involved in DNA superfamily research as well as scientists interested in microbial physiology and multidrug resistance.

This concise volume describes the latest, up-to-date theory, methodology and applications of ABC transporters in microorganisms. The topics include the structure, physiology and evolution of ABC transporters, as well as their special characteristics in specific microorganisms including bacteria, yeast, trypanosomes and malaria parasites. In particular the book describes the most recent research and innovations relative to the role of ABC transporters in the design of strategies to circumvent drug resistance in microorganisms. Each chapter comprises an exhaustive review of the particular topic and provides insights into the future of the field both from the scientific and clinical perspective.

Essential reading for anyone involved in this field and a recommended volume for all microbiology laboratories.

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