

ABSTRACT

Title: Cytoskeleton-based Therapeutics for Mankind: From Hypertrophic Cardiomyopathy to Malaria

Abstract:

Cells rely heavily on cytoskeletal proteins to carry out essential functions such as muscle movement, transportation of cargo, cell migration, and development. In recent years, there has been considerable progress in using this knowledge to create treatments for various human diseases. We will explore some such academic and biotech stories related to developing cytoskeletal-based therapies for hypertrophic cardiomyopathy, a life-threatening cardiac disease, and how this information is now being applied to address global health concerns such as malaria and other parasitic diseases.