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LYSOSOMES
IN BIOLOGY AND PATHOLOGY
2

J. T. DINGLE
HONOR B. FELL

Editors

Lysosomes In Biology And Pathology

J. T. Dingle



Lysosomes In Biology And Pathology:

Lysosomes in Biology and Pathology J. T. Dingle, 1969 **Lysosomes in Biology and Pathology** J.T. Dingle, Honor B. Fell, 1973 Lysosomes in Biology and Pathology J. T. Dingle, 1969 **Biology of the Lysosome** John B. Lloyd, Robert W. Mason, 2012-12-06 Volume 27 provides a comprehensive review of current knowledge of lysosome function in mammalian cells The book s unique contribution is its series of chapters that offers unparalleled treatment of the metabolic activities of lysosomes Lysosomes in Biology and Pathology J. T. Dingle, 1969 **Lysosomes in Biology and Pathology** J. T. Dingle, H. B. Fell, 1973 *Lysosomes in Biology and Pathology* J. T. Dingle, 1976 *Lysosomes* Paul Saftig, 2007-03-20

Lysosomes are membrane surrounded organelles which are present in all animal cells The importance of this organelle is underlined by an increasing number of human diseases which are associated with an impaired function of the lysosomal compartment This book summarizes the current state of the art knowledge about this unique organelle It addresses the biogenesis of this compartment the transport of lysosomal proteins the role of the lysosomal membrane in lysosomal stability and transport the function of lysosomal proteases and hydrolases lysosomal storage disorders and new concepts on how to treat these diseases In addition to these classical topics new insights into lysosomal functions are covered by chapters dealing with specialized lysosomes involved in bone resorption and plasma membrane repair the lysosomal transcriptome and proteome and the emerging role of lysosomes in special forms of autophagy This book will provide readers with a comprehensive overview into how this fascinating organelle works and how research in the field is developing

Lysosomes in Biology and Pathology P. J. Jacques, I. H. Shaw, 1979 *Pathobiology of Cell Membranes* Benjamin F. Trump, Antti U. Arstila, 2013-10-22 Pathobiology of Cell Membranes Volume I represents the first in a multivolume treatise designed for pathologists and cell biologists interested in the role of membrane alterations in disease processes The treatise will emphasize concepts related to membrane alterations in cell injury as well as methods for elucidating such changes The book begins with a discussion of the general conceptual aspects of cell injury and some details about the role of membrane alterations in the pathogenesis of both lethal and sublethal cellular reactions This is followed by separate chapters on applications of circular dichroism to the study of membranes a cell injury mechanism involving membrane components at the molecular level and fundamental aspects of cell volume regulation and the modification of this regulation by primary or secondary damage of the cell membrane Subsequent chapters deal with comparative roles of lysosomal and other membrane damage in cell injury the role of membrane movements and various types of lysosome formation toxic effects on mitochondrial membranes and the concept of a biological membrane in health and disease at the tissue level

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