



Autophagy: Cancer, Other Pathologies, Inflammation, Immunity, Infection, and Aging: Volume 8 Human Diseases (Hardback)

By -

Elsevier Science Publishing Co Inc, United States, 2016. Hardback. Condition: New. Language: English . Brand New Book. Understanding the importance and necessity of the role of autophagy in health and disease is vital for the studies of cancer, aging, neurodegeneration, immunology, and infectious diseases. Comprehensive and forward-thinking, these books offer a valuable guide to both cellular processes while inciting researchers to explore their potentially important connections. Volume 8 Autophagy and Human Diseases, concentrates on the role of Autophagy in human diseases, including tumorigenesis. The diseases discussed include melanoma, liver cancer, pancreatic cancer, and neurodegenerative disorders. Loss of autophagy in the central nervous system causes neurodegeneration (Alzheimers disease, Huntington s disease, Parkin s disease, and Amyotrophic Lateral Sclerosis). Melanoma is one of the most serious diseases in humans. Autophagy plays a key role in the anticancer response to Chemotherapy. However, autophagy can increase or decrease the effectiveness of chemotherapy. The reasons for these contradictory effects are explained. Autophagy also plays a role in idiopathic inflammatory diseases, infection, and immunity. An explanation is given how autophagy is closely linked to control of innate and adaptive immune responses in host defense in part by regulating cytokine production. The role of autophagy in cutaneous...



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