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Nota di contenuto	Autophagy and immunity / Xu Liu and Daniel J. Klionsky -- Techniques for studying autophagy / Isei Tanida and Masato Koike -- Role of autophagy in DNA virus infections in vivo / Xionan Dong and Beth Levine -- Studying RNA viruses and autophagy in vivo / Mehrdad Alirezaei and J. Lindsay Whitton -- Autophagy and picornavirus infection / Tom Wileman, Zhigang Zhou, Matthew Whelband, Eleanor Cottam, Stephen Berryman, Terry Jackson, and Rebecca Roberts -- Flaviviruses and autophagy / Tristan X. Jordan and Glenn Randall -- Autophagy : a home remodeler for Hepatitis C virus / Marine L.B. Hillaire, Elodie Decembre, and Marlene Dreux -- Modulating autophagy to cure Human Immunodeficiency Virus type-1 / Stephen A. Spector and Grant R. Campbell -- Autophagy in the infected cell : insights from pathogenic bacteria / Andrea Sirianni and Serge Mostowy -- Rab proteins in autophagy: streptococcus model / Ichiro Nakagawa -- Helicobacter pylori infection control by autophagy / Laura K. Greenfield, Frances Dang, and Nicola L. Jones -- Interactions between salmonella and the autophagy system / Teresa L.M. Thurston and David W. Holden -- Host factors that recruit autophagy as defense against toxoplasma gondii / Carlos S. Subauste -- Mycobacterium tuberculosis

and the autophagic pathway / Gabriela Maria Recalde and Maria Isabel Colombo -- Autophagy enhances the efficacy of BCG vaccine / Arshad Khan, Christopher R. Singh, Emily Soudani, Pearl Bakhru, Sankaralingam Saikolappan, Jeffrey D. Cirillo, N. Tony Eissa, Subramanian Dhandayuthapani, and Chinnaswamy Jagannath -- Autophagy's contribution to innate and adaptive immunity : an overview / Christina Bell, Michel Desjardins, Pierre Thibault, and Kerstin Radtke -- Autophagy in immune responses to viruses / Christophe Viret and Mathias Faure -- Processing and MHC presentation of antigens after autophagy-assisted endocytosis, exocytosis and cytoplasm degradation / Christian Munz.

Sommario/riassunto

Autophagy, Infection, and the Immune Response provides a unified overview of the roles of cellular autophagy during microbial infection. Introductory chapters ground the reader by laying out the autophagic pathway from a cellular perspective, and listing assays available for measuring autophagy. Subsequent chapters address virus interactions with autophagy machinery, the various roles of autophagy parasitic infection, and interactions of bacteria with the autophagic pathway. Concluding chapters explore the relationships of autophagy to systemic immune responses, including antigen presentatio
