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Titolo	Autophagy Regulation of Innate Immunity // edited by Jun Cui
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Descrizione fisica	1 online resource (IX, 203 p. 20 illus., 19 illus. in color.)
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Nota di contenuto	Introduction -- Autophagy Regulation of Mammalian Immune Cells -- Autophagy in Plant Immunity -- Autophagy Regulation of Bacterial Pathogen Invasion -- Autophagy and viral infection -- The Interplay between Pattern Recognition Receptors and Autophagy in Inflammation -- Regulation of Inflammasome by Autophagy -- The Cross-regulation between Autophagy and Type I Interferon Signaling in Host Defense -- Selective Autophagy Regulates Innate Immunity through Cargo Receptor Network -- Autophagy and Immune-related Diseases -- Targeting Autophagy with Small-molecule Modulators in Immune-related diseases.
Sommario/riassunto	This book discusses novel concepts and discoveries concerning the regulation of innate immunity by autophagy and autophagy-related proteins. In the past decade, there have been major advances in our understanding of the molecular mechanisms of autophagy and its physiological functions. This book highlights emerging studies on the underlying mechanisms of autophagy regulation of innate immunity, including inflammation, antiviral immunity and anti-bacterial responses and the signaling pathways that prompt or inhibit the initiation and

progression of related diseases. It also offers new ideas and strategies for future drugs based on manipulating autophagy, especially selective autophagy mediated by cargo receptors. Providing a comprehensive overview of the autophagy regulation of innate immunity, it is a valuable resource for graduate students and researchers in the fields of immunology, cell biology and translational medicine.
