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Titolo	Necrotic Cell Death [[electronic resource] /] / edited by Han-Ming Shen, Peter Vandenabeele
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ISBN	1-4614-8220-8
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (402 p.)
Collana	Cell Death in Biology and Diseases, , 2625-2902
Disciplina	571.936
Soggetti	Cell cycle Apoptosis Oxidative stress Cell biology Cell Cycle Analysis Oxidative Stress Cell Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Necrotic cell death at a glance: concept, mechanisms and biological functions -- Necroptosis: Alternative death modality under death receptors -- RIP1 and RIP3 in necrotic cell death -- PARP-mediated necrotic cell death -- Autophagic cell death, true or false? -- Oxidative stress and necrotic cell death -- Necrosis and DNA damage -- Lysosomes in necrotic cell death.- Necrotic cell death in development -- Necrotic cell death in immunity -- Necrotic cell death in inflammation -- Necrotic cell death and cancer -- Necrotic cell death in ischemia reperfusion injury -- Necrostatin, a necrosis inhibitor as a therapeutic agent -- Necrotic cell death in model organisms (C. elegan) -- Methodology in studying necrotic cell death.
Sommario/riassunto	This essential volume in the Cell Death in Biology and Diseases series presents comprehensive coverage of necrosis from recognized experts at leading academic and medical institutions around the world, thus keeping pace with the emerging research interest in necrosis. Starting with discussion of basic concepts and the molecular mechanisms of

necrosis, this book looks first at the several forms of necrotic cell death that have been identified, including necroptosis, autophagic cell death, and PARP-mediated cell death. As necrotic cell death is increasingly known to play a critical role in many physiological processes, the next chapters discuss its effect on metabolism, inflammation, immunity, and development. Necrotic cell death is closely implicated in human diseases like cancer so the next chapters examine its relevance to human diseases, and final chapters cover methodologies for measuring necrosis.