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Titolo	Apoptosis and beyond : the many ways cells die / / edited by James Radosevich, University of Chicago, United States
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ISBN	1-119-43243-X 1-119-43246-4 1-119-43235-9
Descrizione fisica	1 online resource (xiii, 749 pages) : colour illustrations
Disciplina	571.9/36
Soggetti	Cell death Apoptosis Cell Death
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	These volumes teach readers to think beyond apoptosis and describes all of the known processes that cells can undergo which result in cell death This two-volume source on how cells dies is the first, comprehensive collection to cover all of the known processes that cells undergo when they die. It is also the only one of its kind to compare these processes. It seeks to enlighten those in the field about these many processes and to stimulate their thinking at looking at these pathways when their research system does not show signs of activation of the classic apoptotic pathway. In addition, it links activities like the molecular biology of one process (eg. Necrosis) to another process (eg. apoptosis) and contrasts those that are close to each. Volume 1 of Apoptosis and Beyond: The Many Ways Cells Die begins with a general view of the cytoplasmic and nuclear features of apoptosis. It then goes on to offer chapters on targeting the cell death mechanism; microbial programmed cell death; autophagy; cell injury, adaptation, and necrosis; necroptosis; ferroptosis; anoikis; pyronecrosis; and more. Volume 2 covers such subjects as phenoptosis; pyroptosis; hematopoiesis and eryptosis; cyclophilin d-dependent necrosis; and

the role of phospholipase in cell death.-Covers all known processes that dying cells undergo -Provides extensive coverage of a topic not fully covered before -Offers chapters written by top researchers in the field -Provides activities that link and contrast processes to each other Apoptosis and Beyond: The Many Ways Cells Die will appeal to students and researchers/clinicians in cell biology, molecular biology, oncology, and tumor biology.