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Altri autori (Persone)	HerrmannM, Dr. (Martin) KaldenJ. R (Joachim Robert)
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Nota di contenuto	Apoptosis and Autoimmunity; Preface; Contents; List of Contributors; Part 1 General Features of Apoptosis; 1 Apoptosis and Autoimmunity; 1.1 Introduction; 1.2 Autoimmune Diseases Associated with Targeted Cell Destruction; 1.2.1 What is the Mode of Cell Death?; 1.2.2 What Cells and What Effector Pathways are Responsible for Cell Death?; 1.3 Autoimmune Diseases Associated with Enhanced Cell Growth and Survival; 1.4 Autoimmune Diseases Associated with Abnormal Processing of Dying Cells; 1.5 Conclusions; 1.6 References; 2 Caspase Knockouts: Matters of Life and Death 2.1 Death, Development and Immune Function2.2 Apoptotic Pathways: from Nematode to Mammals; 2.3 Triggering a Killer: General Aspects of Caspase Activation; 2.4 Caspase-1 and -11: More than Mediators of Inflammatory Cytokines?; 2.5 Caspase-8 and the FAS Signaling Pathway; 2.6 Caspase-3: The Chief Executioner?; 2.7 Caspase-9:

Mitochondrial Activation and the Apoptosome; 2.8 Caspase-2: A Duality of Function; 2.9 Caspase-12: Responding to Stress; 2.10 Compensatory Caspase Activation: A Caveat to Knockout Analysis; 2.11 Caspases: More than Simple Killers; 2.12 Concluding Remarks; 2.13 References
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3.7 Influence of Apoptotic Cells on DC Function in Allogeneic MLR3.8 The Presence of Apoptotic Cells can Shift the T(h) Cell Response towards T(h)2; 3.9 Apoptotic Cells Suppress Delayed-type Hypersensitivity (DTH) In Vivo; 3.10 Necrosis and Inflammation; 3.11 Implications of the Anti-inflammatory and Immunodulatory Effects of Apoptotic Cells for Health and Disease; 3.11.1 Apoptosis and Pregnancy; 3.11.2 Apoptosis and Irradiation; 3.11.3 Apoptosis and Cancer; 3.11.4 Apoptosis and Infections; 3.11.5 Apoptosis and Blood Transfusions; 3.12 References; 4 Complement and Apoptosis; 4.1 Introduction
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5.2.3 Corpse Clearance during Acute Inflammation: Pentraxins

Sommario/riassunto

This is the first comprehensive book about the relationship between apoptosis and autoimmune diseases. It offers a unique up-to-date overview on research results on the defective execution of apoptosis and the incomplete clearance of apoptotic cells. The molecular and cellular mechanisms involved are described in detail. As a possible consequence of apoptotic dysfunction, the development of severe autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus) is discussed. An outlook on future research topics includes the evaluation of novel therapeutic strategies.