Record Nr. UNINA9910146242903321 Apoptosis and autoimmunity [[electronic resource] /] / edited by M. **Titolo** Hermann and J.R. Kalden Pubbl/distr/stampa Weinheim, : Wiley-VCH, c2003 **ISBN** 1-280-52038-8 9786610520381 3-527-60529-0 3-527-60145-7 Descrizione fisica 1 online resource (405 p.) Altri autori (Persone) HerrmannM, Dr. (Martin) KaldenJ. R (Joachim Robert) Disciplina 571.9/73 616.97/8 616.978 Soggetti **Apoptosis** Autoimmunity Autoimmune diseases Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "From mechanism to treatments"--Cover. Nota di bibliografia Includes bibliographical references and index. Apoptosis and Autoimmunity; Preface; Contents; List of Contributors; Nota di contenuto 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 Function 2.2 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

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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.