

ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY Volume 329

Dendritic Cells In Fundamental And Clinical Immunology

Huangqi Zhang

Dendritic Cells In Fundamental And Clinical Immunology:

Dendritic Cells in Fundamental and Clinical Immunology Eduard W. A. Kamperdijk, Paul Nieuwenhuis, Elizabeth C. Dendritic Cells in Fundamental and Clinical Immunology Paola Ricciardi-Castagnoli, 2013-11-11 These proceedings contain selected contributions from the participants to the Fourth International Symposium on Dendritic cells that was held in Venice Lido Italy from Oc tober 5 to 10 1996 The symposium was attended by more than 500 scientists coming from 24 different countries Studies on dendritic cells DC have been greatly hampered by the difficulties in preparing sufficient cell numbers and in a reasonable pure form At this meeting it has been shown that large quantities of DC can be generated from precursors in both mice and humans and this possibility has enormously encouraged studies aimed to characterize DC physiology and DC specific genes and to employ DC therapeutically as adjuvants for im munization The possibility of generating large numbers of autologous DC that can be used in the manipulation of the immune response against cancer and infectious diseases has tremendously boosted dendritic cell research and the role of DC in a number of medi cal areas has been heatedly discussed Dendritic Cells in Fundamental and Clinical Immunology Jacques Banchereau, Daniel Schmitt, 2012-12-06 These Proceedings contain the contributions of the partIcIpants of the Third International Symposium on Dendritic Cells that was held in Annecy France from June 19 to June 24 1994 This symposium represented a follow up of the first and second international symposia that were held in Japan in 1990 and in the Netherlands in 1992 Dendritic cells are antigen presenting cells and are found in all tissues and organs of the body They can be classified into 1 interstitial dendritic cells of the heart kidney gut and lung 2 Langerhans cells in the skin and mucous membranes 3 interdigitating dendritic cells in the thymic medulla and secondary lymphoid tissue and 4 blood dendritic cells and lymph dendritic cells veiled cells Although dendritic cells in each of these compartments are all CD45 leukocytes that arise from the bone marrow they may exhibit differences that relate to maturation state and microenvironment Dendritic cells are specialized antigen presenting cells for T lymphocytes they process and present antigens efficiently in situ and stimulate responses from naive and memory T cells in the paracortical area of secondary lymphoid organs Recent evidence also demonstrates their role in induction of tolerance By contrast the primary and secondary B cell follicles contain follicular dendritic cells that trap and retain intact antigen as immune complexes for long periods of time The origin of follicular dendritic cells is not clear but most investigators believe that these cells are not leukocytes Dendritic Cells in Fundamental and Clinical Immunology Paola Ricciardi-Castagnoli, 2014-01-15 Dendritic Cells in Fundamental and Clinical Immunology Eduard W. A. Kamperdijk, Paul Nieuwenhuis, Elizabeth C. M. Hoefsmit, 1993 Third international symposium on dendritic cells in fundamental and clinical immunology Third international symposium on dendritic cells in fundamental and clinical immunology, 1994 **Dendritic Cells in Fundamental and Clinical Immunology** Paola Ricciardi-Castagnoli, 1997-08-31 These proceedings contain selected contributions from the participants to the Fourth

International Symposium on Dendritic cells that was held in Venice Lido Italy from Oc tober 5 to 10 1996 The symposium was attended by more than 500 scientists coming from 24 different countries Studies on dendritic cells DC have been greatly hampered by the difficulties in preparing sufficient cell numbers and in a reasonable pure form At this meeting it has been shown that large quantities of DC can be generated from precursors in both mice and humans and this possibility has enormously encouraged studies aimed to characterize DC physiology and DC specific genes and to employ DC therapeutically as adjuvants for im munization The possibility of generating large numbers of autologous DC that can be used in the manipulation of the immune response against cancer and infectious diseases has tremendously boosted dendritic cell research and the role of DC in a number of medi cal areas has been heatedly discussed **Applied Toxicology:** Approaches Through Basic Science Jürg P. Seiler, Eugenio Vilanova, 2012-12-06 Ultraviolet radiation a component of sunlight has been recognized by photobiologists dermatologists and oculists as a potential hazard for human health because of its genotoxic carcinogenic and immunotoxic properties Its effects on human health include the induction of skin cancers ocular damage and impairment of immunity to certain infections A few decennia ago it was demonstrated that UV photons can affect the activity of the immune system through interactions with the skin This means that UV not only changes normal cells into cancer cells but also permits the outgrowth of the UV transformed cells by depressing the immune system An intriguing question is what interactions between UV radiation and the skin initiates alterations in immune function in the exposed skin and systemically i e in other places than the exposed skin During the last 20 years many studies have been performed in order to investigate the immunosuppressive activities of UVB in laboratory animals and in human volunteers In particular effects of UVB radiation on resistance to tumours and skin associated infections have been examined In addition effects of UVB radiation on immune parameters such as contact hypersensitivity and delayed type hypersensitivity both type IV hypersensitivity reactions mixed lymphocyte reactions mixed skin lymphocyte reactions antigen presentation and numbers and function of Langerhans cells have been studied intensively The antigenicity of murine tumours which are caused by UVB radiation was one of the first items to be investigated Kripke 1974 5th International Symposium on Dendritic Cells in Fundamental and Clinical Immunology International Symposium on Dendritic Cells in Fundamental and Clinical Immunology. 5, 1998, Pittsburgh, Pa..,1998 Basic and Clinical Immunology E-Book Mark Peakman, Diego Vergani, 2009-04-24 Within this one volume both basic science and clinical immunology are demystified for the medical and other health sciences student The basic immunological processes are described first with a level of detail restricted to what is appropriate for medical and similar curricula In the second part of the book immunological mechanisms behind major diseases of the various body systems are explained Throughout the text clinical details are highlighted and more in depth material is differentiated from the main text Covers both basic science and clinical immunology in one volume Specifically aimed at medical students and appropriate for integrated system based curricula Main text supported by in depth key point

and clinical boxes Now full colour throughout Specialised material removed and replaced with clearer introductory explanations Clearer illustrations thanks to rewritten captions Fundamental Immunology William E. Paul, 2012-12-10 Fundamental Immunology Seventh Edition This standard setting textbook has defined the field of immunology since 1984 and is now in its Seventh Edition continuing to deliver the detailed authoritative and timely coverage readers expect This comprehensive up to date text is ideal for graduate students post doctoral fellows basic and clinical immunologists microbiologists and infectious disease physicians and any physician treating diseases in which immunologic mechanisms play a role Now full color throughout the book s fully revised and updated content reflects the latest advances in the field Current insights enhance readers understanding of immune system function. The text's unique approach bridges the gap between basic immunology and the disease process Extensive coverage of molecular biology explains the molecular dynamics underlying immune disorders and their treatment Abundant illustrations and tables deliver essential information at a glance Plus a convenient companion website features the fully searchable text with all references linked to PubMed Look inside and discover Fully revised and updated content reflects the latest advances in the field Current insights enhance readers understanding of immune system function Unique approach bridges the gap between basic immunology and the disease process Extensive coverage of molecular biology explains the molecular dynamics underlying immune disorders and their treatment Abundant illustrations and tables deliver essential information at a glance PLUS A convenient companion website features the fully searchable text with all references linked to PubMed Pick up your copy today 5th International Symposium on Dendritic Cells in Fundamental and Clinical Immunology, 1998 Peptide-Based Cancer Vaccines W. Martin Kast, 2000-10-01 The field of peptide based cancer vaccines has evolved tremendously in the last decade of this century. The exploration on how to apply the peptide knowledge for vaccination purposes began when it was demonstrated that these peptides after being mixed into adjuvants actually induced T cell responses that could prevent virus infections and tumor growth in experimental animal models. The results of animal models are currently translated into clinical applications with all their associated difficulties and heterogeneity Initial promising data do appear warranting further research in this area This Basic and Clinical Immunology Mark Peakman, Diego Vergani, 2009 book pays tribute to key researchers in the field The focus of this text is on the human immunology required by students to understand and treat common immunological diseases animal research is included only where essential for an understanding of the subject 5th International Symposium on Dendritic Cells in Fundamental and Clinical Immunology, 1998 5th International Symposium on Dendritic Cells in Fundamental and Clinical Immunology, Program, Abstracts, 1998 5th International Symposium on Dendritic Cells in Fundamental and Clinical Immunology, Pittsburgh, Pennsylvania, USA, September 23-28, 1998, 1998 The Molecular Basis of Cellular Defence Mechanisms Jamie Goode, 1997-03-27 An interdisciplinary approach to cell systems and their corresponding regulatory factors Presents the latest data on cellular defense mechanisms from experts in

hematology and immunology Basic & Clinical Immunology Daniel P. Stites, Abba I. Terr, Tristram G. Parslow, 1994 Basic Clinical Immunology has been totally reorganized and updated to continue its reputation as the superior textbook and review for both students and practitioners The eighth edition presents an extensively reorganized and updated section on basic immunology in the clear uncomplicated style that makes LANGE the ideal choice for contemporary comprehensive medical information Organized into four sections Basic Laboratory Clinical Immunology and Immunotherapy this text enables readers to easily comprehend this difficult subject Features totally reorganized and up to date section on basic immunology normal immunologic function and disease processes emphasized expanded Immunotherapy section thoroughly updated and expanded coverage of immunodeficiency diseases Immunologic Laboratory Tests section extensively updated with new methods and techniques new chapter Molecular Genetic Techniques for Clinical Analysis of the Immune System and numerous illustrations simplify the identification of cells and their chemical products and receptors Duct Syndrome - Pathophysiology and Treatment D. Alvaro, A. Benedetti, M. Strazzabosco, 1997 Vanishing bile duct syndrome comprises a number of chronic cholestatic diseases caused by primary immunological and functional damage to the biliary epithelium Important advances have recently been made in the biology physiology and treatment of vanishing bile duct syndrome In particular recent progress in the biology and physiology of the intrahepatic biliary epithelium has added considerably to the current understanding of the pathophysiology of this syndrome

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