Hla and Disease

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From Academic Pr : Hla and Disease before purchasing it in order to gage whether or not it would be worth my time, and all praised Hla and Disease:

The HLA (Human Leukocyte Antigen) system plays a central role in controlling immune responses and influencing susceptibility to a large number of diseases. This book clearly describes the structure, function, and genetics of the HLA system, and the mechanisms that account for HLA associated disease susceptibility, discussed in the context of experimental animal models. The statistical principles relevant to the design and interpretation of HLA and disease studies are presented in simple and accessible language, and several of the major autoimmune diseases that are associated with the inheritance of particular HLA types are discussed in detail. Not only does this volume review the progress that has been made in the fields of HLA biology during the past decade, it also highlights the areas in which future developments are most likely to occur. Features: * Describes the relevance of the HLA (a genetic region involved in self-nonself recognition) to disease. It plays a role in many autoimmune diseases such as diabetes, rheumatoid arthritis and SLE, and also in transplantation tolerance/rejection.

Praise for the First Edition"The text is clear and comprehensible with excellent diagrams and charts. This book is to be recommended to all rheumatologists as a valuable addition to their libraries."--RHEUMATOLOGY IN EUROPE"This

volume reviews the progress achieved in the field of HLA biology, it also highlights areas for future investigation... The volume can be recommended for the interested scientist and scholar."--JOURNAL OF THYMOLOGY"Not only does this volume review the progress that has been made in the field of HLA biology during the past decade, it also highlights the areas in which future developments are likely to occur."--JOURNAL OF INVESTIGATIONAL ALLERGOLOGY AND CLINICAL IMMUNOLOGYFrom the PublisherPraise for the First Edition "The text is clear and comprehensible with excellent diagrams and charts. This book is to be recommended to all rheumatologists as a valuable addition to their libraries." (Rheumatology in Europe) "...The volume can be recommended for the interested scientist and scholar." (Journal of Thymology)From the Back CoverThis comprehensive and definitive work succeeds and expands on the highly successful HLA and Disease published in 1994. This new edition has been updated, redesigned and reorganised into three sections making it an invaluable reference.The introductory section summarises current knowledge on the structure, function, genetics and evolution of the HLA system. It clarifies its complex and ever changing nomenclature and discusses the mechanisms underlying disease associations with HLA alleles. The second section deals with the importance of HLA in the context of different clinical specialities. Individual chapters describe the association between HLA polymorphism and each disease. The final section features chapters on current laboratory practice in histocompatibility and tissue typing.HLA in Health and Disease is essential reading for basic and clinical researchers working in immunology and immunogenetics, transplantation medicine and autoimmunity. It will also be of interest to anyone in the fields of rheumatology, diabetology, nephrology, allergy, dermatology, neurology, endocrinology, cancer biology, respiratory medicine, haematology, molecular biology and biochemistry.Key Features* Structure, function and genetics of HLA* HLA nomenclature* Evolution of HLA polymorphisms* HLA associations in arthritis and rheumatology, renal disease, neurology, diabetes and endocrinology, gastroenterology, respiratory disease, ophthalmology, infections, dermatology and psychiatry* HLA and organ transplantation* Serological and PCR-based methods in HLA typing* Cellular techniques in testing histocompatibility* Edited and written by an international panel of experts in the field