



## Mechanisms and models in rheumatoid arthritis [

Henderson, Brian

PhD

Edwards, J. C. W. (

Jonathan Charles Wright)

Pettipher, E. R.

Academic Press,

c1995

Libros electrónicos

Monografía

Rheumatoid arthritis is a bewilderingly complex disease involving the interactions of many, and varied, cell populations and multiple families of low and high molecular mass mediators. We are only slowly beginning to understand the mechanisms that produce the local and systematic pathology clinically recognized as rheumatoid arthritis. Increasingly, use is being made of experimental models of this disease in an effort to test hypotheses about putative pathological mechanisms and to investigate the effect of novel therapeutic agents. A major section of this book covers these experimental models in great detail from their development through to reviews of the most recent information on each model. Mechanisms and Models in Rheumatoid Arthritis brings together a group of eminent researchers from the fields of clinical rheumatology, pathology, experimental pathology, immunology, connective tissue biochemistry, microbiology, pharmacology and developmental biology to describe the current views of the cellular and humoral mechanisms that drive the pathology of rheumatoid arthritis and experimental models of rheumatoid arthritis. Key Features: \* The book is divided into five sections: \* The clinical spectrum, aetiopathogenesis, the role of microbial superantigens in pathology and the present and future therapies for rheumatoid arthritis \* The pathology of rheumatoid arthritis, the development and role of synovial pannus and the use of immunohistochemistry in defining synovial pathology \* Cell populations involved in synovitis with chapters on synovial cells, chondrocytes, bone cells, leukocytes and leukocyte trafficking \* Mediators, with coverage of: cytokines and cytokine inhibitors, growth factors, free radicals and inflammatory lipid mediators, neuropeptides and proteases \* Current studies on experimental models of rheumatoid arthritis

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**Título:** Mechanisms and models in rheumatoid arthritis Recurso electrónico] [edited by] B. Henderson, J.C.W. Edwards, and E.R. Pettipher

**Editorial:** London San Diego Academic Press c1995

**Descripción física:** xiv, 548 p. ill

**Mención de serie:** Books on ScienceDirect

**Bibliografía:** Includes bibliographical references and index

**Contenido:** Cellular Mechanisms in Rheumatoid Arthritis: Histopathology of Rheumatoid Joint. Pannus. Synovial Cells. Bone Cells and Bone Remodelling in Rheumatoid Arthritis. T Lymphocyte/Macrophage Interactions. Leukocyte Adhesion and Leukocyte Traffic in Rheumatoid Arthritis. Humoral Mechanisms in Rheumatoid Arthritis.: Inflammatory Cytokines Including the IL-8 Supergene Family. Cytokine Inhibitors, Growth Factors. Lipid Mediators. Oxidants/Free Radicals. Neuropeptides. Proteases and Connective Tissue Breakdown. Animal Models of Rheumatoid Arthritis: Role of Animal Models in the Study of Rheumatoid Arthritis: A General Review. Immunogenetics of Animal Models of Rheumatoid Arthritis. Adjuvant Arthritis: The First Model? Arthritis Induced By Bacteria and Viruses. Streptococcal Cell Wall Arthritis. Collagen-Induced Arthritis. Antigen-Induced Arthritis in Rodents. Antigen-Induced Arthritis in the Rabbit. Animal Models of Rheumatoid Arthritis. Spontaneous Arthritis Models. Cytokine-Induced Arthritis. Animal Models and Anti-Rheumatic Drug Development

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**Detalles del sistema:** Modo de acceso: World Wide Web

**Fuente de adquisición directa:** ScienceDirect (M)

**ISBN:** 9780123404404 0123404401

**Materia:** Arthritis, Rheumatoid Arthritis, Infectious- microbiology Disease Models, Animal Arthritis. larpcal Reumatoide artritis. gtt Modellen. gtt Rheumatoid arthritis Rheumatoid arthritis- Animal models

**Autores:** Henderson, Brian PhD Edwards, J. C. W. ( Jonathan Charles Wright) Pettipher, E. R.

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## **Baratz Innovación Documental**

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es