



## Retinal Degenerative Diseases [

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Monografía

This book will contain the proceedings of the XIV International Symposium on Retinal Degeneration (RD2010), held July 13-17, 2010, in Mont-Tremblant, Quebec, Canada. The volume will present representative state-of-the-art research in almost all areas of retinal degenerations, ranging from cytopathologic, physiologic, diagnostic and clinical aspects; animal models; mechanisms of cell death; candidate genes, cloning, mapping and other aspects of molecular genetics; and developing potential therapeutic measures such as gene therapy and neuroprotective agents for potential pharmaceutical therapy

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**Contenido:** Retinal Degenerative Diseases; Preface; About the Editors; Contents; Contributors; Travel Awards; Part I: AMD: Basic Mechanisms, Inflammation and Immunity; Chapter 1: A Window to Innate Neuroimmunity: Toll-Like Receptor-Mediated Cell Responses in the Retina; 1.1 Introduction; 1.2 TLRs and Neuroimmunity; 1.3 TLRs and Age-Related Macular Degeneration; 1.4 Short Interfering RNA-Based Drugs Activate TLR3 Pathways; References; Chapter 2: Autoimmune Biomarkers in Age-Related Macular Degeneration: A Possible Role Player in Disease Development and Progression; 2.1 Introduction 2.2 Evidence in Favor of a Role for Autoimmunity in AMD Pathogenesis 2.3 Preliminary Results from Our Research Support the Role of Autoimmunity in AMD; 2.4 Experimental Framework and Future Directions; References; Chapter 3: Local Vs. Systemic Mononuclear Phagocytes in Age-Related Macular Degeneration and Their Regulation by CCL2-CCR2 and CX3CL1-CX3CR1 Chemokine Signalling; 3.1 Introduction; 3.2 Mononuclear Phagocytes Comprise a Heterogeneous Population of Systemic and Local Innate Immune Cells; 3.3 Activation of Mononuclear Phagocytes Is Controlled by Signals from the Microenvironment 3.4 Evidence of the Involvement of Myeloid Cells in the Pathophysiology of AMD 3.5 The

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