

1. Record Nr.	UNINA9910786241603321
Titolo	Connexin cell communication channels : roles in the immune system and immunopathology / / edited by Ernesto Oviedo-Orta, Brenda R. Kwak, William Howard Evans
Pubbl/distr/stampa	Boca Raton : , : Taylor & Francis/CRC Press, , 2013
ISBN	0-429-16585-4 1-4398-6258-3
Descrizione fisica	1 online resource (363 p.)
Altri autori (Persone)	Oviedo-OrtaErnesto KwakBrenda R EvansW. Howard
Disciplina	591.876041
Soggetti	Gap junctions (Cell biology) Connexins Inflammation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Contents; Preface; Editors; Contributors; Prequel: Gap Junctions, Hemichannels, and Cell-to-Cell Signalling; Chapter 1 - Communication in the Immune System by Connexin Channels; Chapter 2 - Gap Junctions and Connexins in the Hematopoietic-Immune System: Structural Considerations; Chapter 3 - Approaches for Studying the Role(s) of Gap Junctions in the Immune System; Chapter 4 - Gap Junctions in Antigen-Presenting Cells; Chapter 5 - Connect the Immune System: Roles of Gap Junctions in Antigen Presentation and T Cell Activation Chapter 6 - Gap Junctions and Connexins in the Immune Defense Against TumorsChapter 7 - Connexins in Atherosclerosis; Chapter 8 - Connexins in Lung Function and Inflammation; Chapter 9 - Effect of Oxidative Stress on Connexins in the Vasculature; Chapter 10 - Regulation of Gap Junctions and Cellular Coupling within the Microvasculature in Response to Acute Inflammation; Chapter 11 - Impact of Microglial Activation on Astroglial Connexin Expression and Function in Brain Inflammation; Chapter 12 - A Role for Connexins in

Inflammatory Disorders of the Epidermis

Chapter 13 - Translating Basic Research on Cx43 Gap Junctions into
Therapies for Reducing Scarring and Cardiac Arrhythmia

Chapter 14 -
Connexin-Based Therapeutic Approaches to Inflammation in the
Central Nervous System; Chapter 15 - Enhancing Epithelial Tissue
Repair and Reducing Inflammation by Targeting Connexins; Back Cover

Sommario/riassunto

Plasma membrane-associated channels known as gap junctions, along with their protein building blocks-connexins-have an important functional role in a range of immunological processes, including heart function, cell growth and specialization, and early development. Spanning basic science and potential clinical applications, Connexin Cell Communication Channels: Roles in the Immune System and Immunopathology assembles and synthesizes four decades of the most important research carried out in this field. The book first provides a historical overview of the discovery of these membrane channels in
