

1. Record Nr.	UNINA9910827674403321
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, Fla., : CRC Press, c2013 Boca Raton : , : Taylor & Francis/CRC Press, , 2013
ISBN	9781040212318 104021231X 9780429165856 0429165854 9781439862582 1439862583
Edizione	[1st ed.]
Descrizione fisica	1 online resource (363 p.)
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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
