

1. Record Nr.	UNINA9910869170903321
Autore	Tripathi Anurag
Titolo	Inflammation Resolution and Chronic Diseases // edited by Anurag Tripathi, Ashish Dwivedi, Shailendra Gupta, Shiv Poojan
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819701575
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (333 pages)
Collana	Biomedical and Life Sciences Series
Altri autori (Persone)	DwivediAshish GuptaShailendra PoojanShiv
Disciplina	616.0473
Soggetti	Immunology Inflammation Pharmacology Diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1_Overview of Inflammation.-Chapter 2_Risk factors associated with inflammation and management strategies.-Chapter 3_Cellular signalling in inflammation.-Chapter 4_Players of Inflammation in the Containment of Intracellular Infections.-Chapter 5_Regulation of T cell response in inflammation from killing to healing.-Chapter 6_Role of Inflammation in Tissue Regeneration and Repair.-Chapter 7_Inflammation and cancer.-Chapter 8_Inflammation resolution: Future Prospects and advancements in technologies.-Chapter 9_Are multi-component drugs better in resolving the inflammation compared to the single component drugs? -- Chapter 10_Effect of ageing on Inflammation Resolution -- Chapter 11_Multi-omics data integration in understanding inflammation and inflammation resolution -- Chapter 12_Clinical trials and outcomes in anti-inflammatory therapies -- Chapter 13_Mechanistic understanding of inflammation resolution using the Atlas of Inflammation Resolution (AIR).
Sommario/riassunto	This book provides recent advances in the understanding of the central processes in the resolution of inflammation. It also describes the active, specialized pathways that bring the resolution of inflammation. Further,

the book examines the key molecular and cellular events that are involved in the resolution of inflammation processes involved in tissue repair and regain of physiological function. Importantly, it sheds light on the cellular and molecular processes through which conventional inflammatory cytokines control mammalian tissue repair and regeneration. It also explores the perturbation of processes that are involved in the resolution of inflammation with aging and reviews clinical trials of anti-inflammatory and immunomodulatory therapies. Towards the end, the book discusses the role of inflammation in the development and progression of cancer. This book is an invaluable resource for scientists, academicians, and research scholars interested in the latest cutting-edge knowledge in the field of immunology, inflammation, inflammation resolution, and inflammatory diseases.
