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Titolo	Macrophages : Celebrating 140 Years of Discovery / / edited by Vijay Kumar
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Nota di contenuto	1. Introductory Chapter: Macrophages - More than Sentinel Innate Immune Cells -- 2. Macrophage: A Key Player of Teleost Immune System -- 3. The Interactive Role of Macrophages in Innate Immunity -- 4. Lung Macrophages: Pivotal Immune Effector Cells Orchestrating Acute and Chronic Lung Diseases -- 5. Macrophages in the Smooth Muscle Layers of the Gastrointestinal Tract -- 6. The Tale of Mastering Macrophage Environment through the Control of Inflammasome-Mediated Macrophage Activation and cAMP Homeostasis by the Protozoan Parasite Leishmania -- 7. Inflammation-Associated Wound Healing through a Monocytic Lens -- 8. The Role of Macrophages in Controlling the Adaptive Response to Injury: Regeneration Vs. Scarring -- 9. Elucidating the Complex Interrelationship on Early Interactions between Leishmania and Macrophages -- 10. Shifting Macrophage Phenotypes in Leishmaniasis -- 11. Macrophage as the Game Changer of the (Future) Therapeutic Paradigm -- 12. The Ambiguous Role of Macrophages in Pulmonary Tuberculosis -- 13. Role of CD14+ CD16+ Monocytes in the Pathogenesis of Periodontitis Associated Systemic Diseases -- 14. Interaction of Ebola Virus with the Innate Immune System -- 15. Macrophage Polarization in Viral Infectious Diseases: Confrontation with the Reality -- 16. Macrophages and HIV/AIDS Pathogenesis: Lessons from the Rhesus Macaque Model -- 17. The Role of M1- and M2-Type Macrophages in Neurological and Infectious Diseases -- 18. Targeted Regulation and Cellular Imaging of Tumor-Associated Macrophages in Triple-Negative Breast Cancer: From New

	Mechanistic Insights to Candidate Translational Applications -- 19. Pluripotent Stem Cell Derived Macrophages: Current Applications and Future Perspectives.
Sommario/riassunto	Macrophages were first discovered in 1882 when Elia Metchnikoff recognized them as important phagocytic cells that can engulf any foreign material, including fungal spores. This discovery has proved to be a milestone in establishing the field of innate immunity. Macrophages are still ruling the area after 140 years of their discovery. This book explores the diverse role of macrophages in vertebrate immunity, parasitic, bacterial, and viral infections, regeneration, inflammation, and neurological diseases.