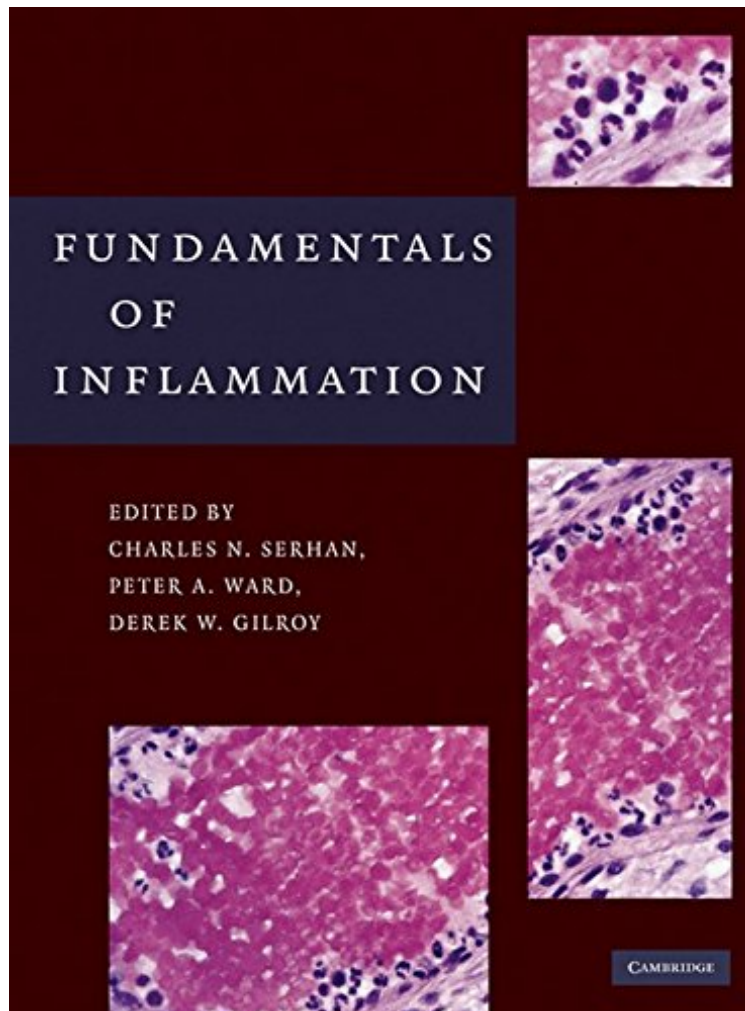


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The acute inflammatory response is the body's first system of alarm signals that are directed toward containment and elimination of microbial invaders. Uncontrolled inflammation has emerged as a pathophysiologic basis for many widely occurring diseases in the general population that were not initially known to be linked to the inflammatory response, including cardiovascular disease, asthma, arthritis, and cancer. To better manage treatment, diagnosis, and prevention of these wide-ranging diseases, multidisciplinary research efforts are underway in both academic and industry settings. The purpose of this book is to provide an introduction to the cell types, chemical mediators, and

general mechanisms of the host's first response to invasion. World-class experts from institutions around the world have written chapters for this introductory text. The text is presented as an introductory springboard for graduate students, postdoctoral Fellows, medical scientists, and researchers from other disciplines who wish to gain an appreciation and working knowledge of current cellular and molecular mechanisms fundamental to inflammation.

"A comprehensive volume that brings together many important and contemporary aspects of inflammation. The book will serve as an excellent guide to the current understanding of how "inflammation" contributes in such diverse ways to disease processes, and to the resolution of the same through natural processes or clinical treatment." Andrew Mellor, *Quarterly of Biology*

About the Author Charles N. Serhan, PhD, is the Simon Gelman Professor of Anesthesia at Brigham and Women's Hospital, Director of the Center for Experimental Therapeutics and Reperfusion Injury, and Professor of Biochemistry and Molecular Pharmacology at Harvard Medical School, Cambridge, Massachusetts. He is one of the world's top researchers on inflammation and mediation. Peter A. Ward, MD, is Stobbe Professor of Pathology at the University of Michigan Health Systems, Ann Arbor, Michigan. Dr Ward is past President of the United States and Canadian Academy of Pathology. Derek W. Gilroy, PhD, is a lecturer in the Centre for Clinical Pharmacology, University College London, United Kingdom. He has received the Bayer Aspirin Prize and is a Wellcome Trust Research Career Development Fellow.