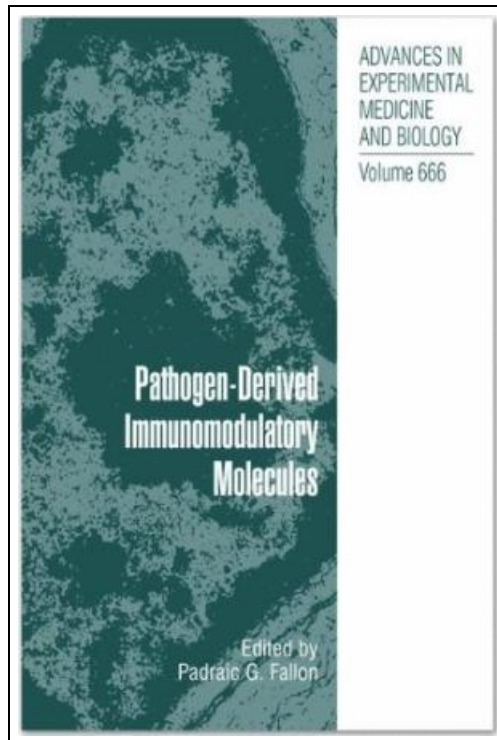


## Pathogen-Derived Immunomodulatory Molecules Advances in Experimental Medicine and Biology



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### **Reviews**

*Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.*  
*(Kade Ankunding)*

## PATHOGEN-DERIVED IMMUNOMODULATORY MOLECULES ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY

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Springer. Hardcover. Condition: New. 183 pages. Dimensions: 10.2in. x 6.8in. x 0.6in. Pathogen-Derived Immunomodulatory Molecules is a book title that may require some explanation. Pathogens that are present today have evolved following a long association with man and have developed unique strategies that have been optimized by natural selection to subvert the host immunity. As we approach the 200th anniversary of Charles Darwins birth, it is appropriate to appreciate that Darwin recognized that pathogens (infections) play a significant and potent role in natural selection, encompassed by the concept infection begets natural selection. This book therefore examines the molecules that pathogens produce, which can modulate or usurp the functions of the immune system. The idea of using molecules from pathogens as a therapeutic is an ancient concept in medicine. Such a strategy is exemplified by vaccination, with pathogen molecules employed to induce protective immunity against the given or related species of pathogen. The following chapters explore the concept of using pathogen-derived immune modulating molecules as a therapy. In doing so, they may provide the drug cabinet of the future for treating a spectrum of unrelated disease. Herein, a range of immune modulating molecules or strategies from various pathogens is examined in one volume. The intention of the book was to have chapters addressing immunomodulating molecules from different pathogens. The range of pathogens considered includes bacteria (chapters by Williams, van Strijp and Rooijackers), viruses (chapters by Bowie, McFadden), protozoan parasites (Aliberti), helminths (Harnett, Fallon), fungi (Sorrell) and parasitic ticks (Anguita). Chapters also address specific immunomodulatory molecules or strategies. The diversity of aspects addressed in the book is highlighted by Lucas and colleagues review of the saga of viral serine proteinase inhibitors, with a focus on Serp-1, the first new generation of pathogen immunomodulatory molecule currently in clinical trials. While Elliott and Weinstock have...



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