

<<Innate Immunity to P>>

图书基本信息

书名：<<Innate Immunity to Pulmonary Infection - No. 279肺感染先天性免疫>>

13位ISBN编号：9780470026564

10位ISBN编号：0470026561

出版时间：2007-1

出版时间：John Wiley & Sons Inc

作者：Novartis Foundation

页数：228

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### 内容概要

Part of the prestigious Novartis Foundation series, this volume uniquely addresses the use of innate immunity to treat or prevent infectious diseases of the lung. **Innate Immunity to Pulmonary Infection:** Provides a comprehensive overview of pulmonary infectious diseases, including basic pathology, current and potential therapies, and detailed consideration of the innate biological resistance mechanisms in the lung. **Thoroughly examines the major topic of innate immunity in immunology, which is now seen as key to the pathogenesis of and vaccination strategies for infectious diseases** Describes the genetic and environmental factors which determine the outcome of infection, such as latency of Tuberculosis, blood stream invasion from local infection, and local target tissue damage. **Covers the roles of cells such as neutrophils, macrophages and dendritic cells and of molecular components such as Toll-like receptors** Discusses the clinical applications of the new knowledge regarding innate immunity and how this can be used in both treatment and prevention ? ( vaccination ) strategies. **Includes contributions from an international and interdisciplinary group of experts**

**Innate Immunity to Pulmonary Infection is an essential resource for researchers in both industry and academia. It is of interest for all those interested in the disciplines of immunology, virology, biology, biotechnology and genetics.**

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## 书籍目录

Symposium on Innate immunity to pulmonary infection, held at the Wolfson Pavillion, University of Cape Town Medical School, South Africa, 28-30 November 2005  
 Editors: Derek J. Chadwick (Organizer) and Jamie Goode  
 This symposium is based on a proposal made by Siamon Gordon and Gordon Brown  
 Siamon Gordon Chair's introduction  
 Eric D. Bateman and Anamika Jithoo Lung diseases in South Africa: an overview  
 Discussion Paul D. van Helden, Marlo Mo11er, Chantal Babb, Robin Warren, Gerhard Walzl, Pieter Uys and Eileen Hoal  
 TB epidemiology and human genetics Discussion David P. Speert  
 Bacterial infections of the lung in normal and immunodeficient patients Discussion Malik Peiris  
 Pathogenesis of avian flu H5N1 and SARS Discussion Claudia Montagnoli, Silvia Bozza, Roberta Gaziano, Teresa Zelante, Pierluigi Bonifazi, Silvia Moretti, Silvia Bellocchio, Lucia Pitzurra and Luigina Romani  
 Immunity and tolerance to *Aspergillus fumigatus* Discussion Cecilia Garlanda, Barbara Bottazzi, Giovanni Salvatori, Rita De Santis, Alessia Cotena, Livija Deban, Viriginia Maina, Federica Moalli, Andrea Doni, Tania Veliz-Rodriguez and Alberto Mantovani  
 Pentraxins in innate immunity and inflammation Discussion Anthony W. Segal  
 How superoxide production by neutrophil leukocytes kills microbes Discussion Ralph M. Steinman  
 Linking innate to adaptive immunity through dendritic cells Discussion Gordon D. Brown  
 Macrophage receptors and innate immunity: insights from dectin-1 Discussion Bernhard Ryffel, Muazzam Jacobs, Shreemanta Parida, Tania Botha, Dieudonnee Togbe and Valerie Quesniaux  
 Toll-like receptors and control of mycobacterial infection in mice Discussion T. J. Williams and C. t. Weller  
 Population of lungs by mast cells Discussion John K. Sheehan, Mehmet Kesimer and Raymond Pickles  
 Innate immunity and mucus structure and function Discussion R. B. Sire, H. Clark, K. Hajela and K. R. Mayilyan  
 Collectins and host defence Discussion Bart N. Lambrecht and Leonie S. van Rijt  
 Infections and asthma pathogenesis: a critical role for dendritic cells? Discussion t. A. Vella and O. J. Finn  
 Innate and adaptive immunity in lung cancer Discussion Siamon Gordon  
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