

# 《Salmonella Infection》

## 图书基本信息

书名：《Salmonella Infections 沙门氏菌感染》

13位ISBN编号：9780521835046

10位ISBN编号：0521835046

出版时间：2006-2

出版社：Cambridge Univ Pr

作者：Mastroeni, Pietro (EDT)/ Maskell, Duncan (EDT)

页数：381

版权说明：本站所提供下载的PDF图书仅提供预览和简介以及在线试读，请支持正版图书。

更多资源请访问：[www.tushu111.com](http://www.tushu111.com)

# 《Salmonella Infection》

## 内容概要

*Salmonella enterica* encompasses a diverse range of bacteria that cause a spectrum of diseases in many hosts. Advancements in prevention and treatment of *S. enterica* infections have at times been hampered by compartmentalization of research efforts and lack of multidisciplinary approaches. This book attempts to cover a diverse range of topics related to the biology of *S. enterica* infections, including epidemiological and clinical aspects, molecular pathogenesis, immunity to disease and vaccines. *S. enterica* infections are important zoonoses and therefore material on infections of animals and public health issues have also been considered. Each chapter can be read independently, but the full contents of the book will provide the reader with up-to-date knowledge on all the key aspects of salmonellosis in humans and animals. It will therefore be of interest to graduate students and researchers, as well as to clinicians, whose research focuses on this important pathogen.

# 《Salmonella Infection》

## 作者简介

Pietro Mastroeni is a Lecturer in the Department of Veterinary Medicine at the University of Cambridge, where he leads the Bacterial Immunology Team.

# 《Salmonella Infection》

## 书籍目录

List of contributors Preface

- 1 Epidemiological and clinical aspects of human typhoid fever
  - 1.1 Introduction
  - 1.2 Salmonella enterica serovar Typhi
  - 1.3 Epidemiology of typhoid fever
  - 1.4 Pathophysiology of typhoid fever
  - 1.5 Clinical features of typhoid fever
  - 1.6 Diagnosis of typhoid fever
  - 1.7 Management of typhoid fever
  - 1.8 Control and prevention of typhoid fever
  - 1.9 Conclusions
- 2 Antibiotic resistance in Salmonella infections
  - 2.1 Introduction
  - 2.2 Antibiotic resistance in S. enterica serovar Typhi
  - 2.3 Antibiotic resistance in enteric fevers other than typhoid
  - 2.4 Antibiotic resistance in non-typhoid Salmonella enterica serovars
  - 2.5 The causes of resistance
  - 2.6 Conclusions
- 3 Host-specificity of Salmonella infections in animal species
  - 3.1 Introduction
  - 3.2 Salmonella infections of cattle
  - 3.3 Salmonella infections of pigs
  - 3.4 Salmonella infections of domestic fowl and other avian species
  - 3.5 What are the determinants of Salmonella serovar host-specificity?
  - 3.6 Do host-specific serovars use a strategy of stealth to cause systemic disease?
  - 3.7 Dissemination of Salmonella to systemic tissues - an evolutionary dead-end or an alternative means of inter-animal spread?
  - 3.8 Conclusions
  - 3.9 Acknowledgements
- 4 Public health aspects of Salmonella enterica in food production
  - 4.1 Introduction and historical perspective
  - 4.2 Recent trends in S. enterica infections
  - 4.3 Human disease caused by S. enterica and vehicles for its transmission to humans
  - 4.4 Animal reservoirs of S. enterica infection
  - 4.5 Milk and milk products as vehicles of infection
  - 4.6 Meat and meat products and S. enterica
  - 4.7 Contamination of poultry meat with S. enterica
  - 4.8 Eggs and egg products as vehicles of infection and the S. enterica serovar Enteritidis pandemic
  - 4.9 The infectious dose of S. enterica
  - 4.10 Conclusions
- 5 The Salmonella genome: a global view
  - 5.1 Introduction
  - 5.2 Full genome sequences facilitate the study of Salmonella
  - 5.3 Comparative genomics: old and new techniques
  - 5.4 In silico tools for comparative genomics
  - 5.5 Microarray technology as a tool for comparative genomics
  - 5.6 Sequenced Salmonella genomes as tools for comparative genomics
  - 5.7 In silico analysis of Salmonella genomes and comparisons between genome sequences
  - 5.8 Mobile genetic elements: plasmids and bacteriophages
  - 5.9 Fimbrial and pilus genes are highly variable between Salmonella genomes
  - 5.10 Analysis of Salmonella genomes based on microarray technology
  - .....6 Pathogenicity island and virulence of Salmonella enterica
- 7 In vivo identification, expression and function of Salmonella virulence genes
- 8 Mechanisms of immunity to Salmonella infections
- 9 Interactions of S. enterica with phagocytic cells
- 10 Interactions between Salmonella and dendritic cell: what happens along the way?
- 11 Immunity to Salmonella in domestic (food animal) species
- 12 Newer vaccines against typhoid fever and gastrointestinal salmonellosis
- 13 S. enterica-based antigen delivery systems

Index The colour plates are situated between pages 206 and 207

# 《Salmonella Infection》

## 版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:[www.tushu111.com](http://www.tushu111.com)