



Biochemistry of Antimicrobial Action

T.J. FRANKLIN and G.A. SNOW

Fourth edition



CHAPMAN AND HALL

Biochemistry Of Antimicrobial Action

Eva Bennett



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Comparative Biochemistry of Parasitic Helminths Eva Bennett, 2012-12-06 When Professor John Sprent first suggested in 1982 that the Australian Society for Parasitology should bid for the opportunity to mount the Sixth International Congress of Parasitology the immediate reaction was one of disbelief However in the two years or so before ICOPA 5 in Toronto he used his considerable powers to the utmost and spent himself unstintingly in persuading Australian parasitologists to put together a bid The Society inevitably agreed for it is difficult to prevent such a determined and eminent man from getting his own way A case for an Australian venue was prepared and as President I was charged with the task of convincing the delegates in Toronto that Australia was worth going all the way to see The events of that meeting are now far in the past suffice to say

that in the end Australia won by the narrowest of margins largely due to the energy of my inventive colleagues who put the case for Australia at every possible and improbable moment I do not remember a great deal about the scientific aspects of ICOPA 5 I was far too preoccupied with an awful spectre that of telling John Sprent that I had failed to pay attention to much other than lobbying for votes I do remember however telling myself how much I would enjoy the next ICOPA without the terrible responsibility of capturing ICOPA 7

Antibiotics Giancarlo Lancini, Francesco Parenti, 2013-11-09 Antibiotics are among the most widely prescribed drugs in both human and veterinary medicine Furthermore they are used to protect plants against bacterial and fungal diseases to decontaminate the shells of eggs and to improve weight gain and feed conversion in a variety of food animals Many antibiotics in addition have been essential tools in the elucidation of specific cellular functions Genetic engineering for example would not be what it is today without the use of antibiotics in the selection of easily determined genetic markers Production of antibiotics involves a diverse group of professionals the fermentation technologist the bioengineer the extraction chemist To improve productivity an understanding of the biosynthetic pathway and the mechanisms of its control is often useful After the more than 40 years since the discovery of penicillin the biologist is still unable to answer basic questions Why are antibiotics produced by only a small number of microbial groups What is the function of antibiotics in nature When we started to teach our course on the science of antibiotics at the University of Pavia and the University of Milan we realized that there was no book that presented the basic facts and concepts on all aspects of this diverse science This book therefore arose out of our teaching need Our experience in the discovery development and production of antibiotics has certainly imparted a practical nuance to this book

National Library of Medicine Current Catalog National Library of Medicine (U.S.), 1972 First multi year cumulation covers six years 1965 70

Antimicrobial Peptides Katsumi Matsuzaki, 2019-04-12 This book presents an overview of antimicrobial peptides AMPs their mechanisms of antimicrobial action other activities and various problems that must still be overcome regarding their clinical application Divided into four major parts the book begins with a general overview of AMPs Part I and subsequently discusses the various mechanisms of antimicrobial action and methods for researching them Part 2 It then addresses a range of activities other than antimicrobial action such as cell penetration antiseptics anticancer and immunomodulatory activities Part 3 and explores the prospects of clinical application from various standpoints such as the selective toxicity design and discovery of AMPs Part 4 A huge number of AMPs have been discovered in plants insects and vertebrates including humans and constitute host defense systems against invading pathogenic microorganisms Consequently many attempts have been made to utilize AMPs as antibiotics AMPs could help to solve the urgent problem of drug resistant bacteria and are also promising with regard to sepsis and cancer therapy Gathering a wealth of information this book will be a bible for all those seeking to develop antibiotics anti sepsis or anticancer agents based on AMPs

Biochemical Protozoology As A Basis For Drug Design Graham H. Coombs, 1991-10-07 A compilation of articles on protozoological biochemistry which reviews the subject area and

offers information on current research Included in the Topics Covered Are Energy Metabolism Of Anaerobic Parasitic Protists
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Molluscan Research Vol. 29, No. 1 , Recent Trends on QSAR in the Pharmaeutical Perceptions Mahmud Tareq Hassan
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 used This volume titled Recent Trends on QSAR in the Pharmaceutical Perceptions offers an overview on the latest
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