

## CONTENTS

<i>Editors' preface</i>	<i>page ix</i>
<b>L. FERENCZY</b> Microbial protoplast fusion	1
<b>DAVID SHERRATT</b> Gene manipulation <i>in vitro</i>	35
<b>KENNETH N. TIMMIS</b> Methods for the manipulation of DNA <i>in vitro</i>	49
<b>ANDREW A. TRAVERS, CSABA KARI AND HILARY A. F. MACE</b> Transcriptional regulation by bacterial RNA polymerase	111
<b>HERBERT N. ARST, JR</b> Aspects of the control of gene expression in fungi	131
<b>RAY DIXON, CHRISTINA KENNEDY AND MIKE MERRICK</b> Genetic control of nitrogen fixation	161
<b>D. A. HOPWOOD</b> Genetic studies of antibiotics and other secondary metabolites	187
<b>P. HELENA MÄKELÄ AND B. A. D. STOCKER</b> Genetics of the bacterial cell surface	219
<b>JOHN S. PARKINSON</b> Genetics of bacterial chemotaxis	265
<b>PAUL NURSE</b> Genetic analysis of the cell cycle	291
<b>LUCILLE SHAPIRO, PERRY NISEN AND BERT ELY</b> Genetic analysis of the differentiating bacterium: <i>Caulobacter crescentus</i>	317

WERNER K. MAAS	
Genetics of bacterial virulence	341
P. R. DAY	
Genetics of pathogenic fungi	361
S. G. BARTLETT, J. E. BOYNTON AND N. W. GILLHAM	
Genetics of photosynthesis and the chloroplast	379
<i>Index</i>	413