

## CONTENTS

<i>Foreword</i>	<i>page</i> vii
<i>by A. S. G. CURTIS</i>	
Cell-cell recognition: molecular aspects. Recognition and its relation to morphogenetic processes in general	1
<i>by M. M. BURGER, W. BURKART, G. WEINBAUM AND J. JUMBLATT</i>	
Cell-cell recognition in multicellular assembly: levels of specificity	25
<i>by M. S. STEINBERG</i>	
Cell-cell recognition: positioning and patterning systems	51
<i>by A. S. G. CURTIS</i>	
Sex cell contact in <i>Chlamydomonas</i> , a model for cell recognition	83
<i>by LUTZ WIESE AND WALTRAUD WIESE</i>	
Mating-type interactions in Yeasts	105
<i>by MARJORIE CRANDALL</i>	
Recognition and response in the pollen-stigma interaction	121
<i>by J. HESLOP-HARRISON</i>	
Cellular interactions during graft formation in plants, a recognition phenomenon?	139
<i>by M. M. YEOMAN, D. C. KILPATRICK, M. B. MIEDZYBRODZKA AND A. R. GOULD</i>	
Cell-surface cAMP receptors in <i>Dictyostelium</i>	161
<i>by P. C. NEWELL AND I. A. MULLENS</i>	
Cellular recognition in slime mould development	173
<i>by D. R. GARROD, ALMA P. SWAN, A. NICOL AND D. FORMAN</i>	
Second-set graft rejections: do they occur in invertebrates?	203
<i>by R. P. DALES</i>	
Modulations of the cell surface and the effects on cellular interactions	221
<i>by RICHARD L. HOOVER</i>	
	[ v ]

Glycoproteins in the recognition of substratum by cultured fibroblasts	241
<i>by D. A. REES, R. A. BADLEY, C. W. LLOYD,     D. THOM AND C. G. SMITH</i>	
The potential roles for ganglioside GM <sub>2</sub> and GM <sub>1</sub> synthetase in retinotectal specificity	261
<i>by MICHAEL PIERCE, RICHARD B. MARCHASE AND     STEPHEN ROTH</i>	
Morphogenetics as an alternative to chemospecificity in formation of nerve connections	275
<i>by T. HORDER AND K. A. C. MARTIN</i>	
Possible clues to the mechanism underlying the selective migration of lymphocytes from the blood	359
<i>by W. L. FORD, M. E. SMITH AND P. ANDREWS</i>	
Lymphoid cell positioning: a new proposal for the mechanism of control of lymphoid cell migration	393
<i>by MARIA DE SOUSA</i>	
Self-recognition as a means of cell communication in the immune system	411
<i>by DAVID H. KATZ</i>	
Cell surface structures, differentiation and malignancy in the haemopoietic system	429
<i>by MELVYN GREAVES</i>	
Poster session abstracts	443
<i>Author index</i>	445
<i>Subject index</i>	461