

CONTENTS

<i>List of contributors</i>	vii
<i>Preface</i>	xii
Non-radioisotopic labels for <i>in situ</i> hybridisation histochemistry: a histochemist's view.	
G. Coulton	1
Use of haptenised nucleic acid probes in fluorescent <i>in situ</i> hybridisation	
A. K. Raap, P. M. Nederlof, R. W. Dirks, J. C. A. G. Weigant and M. van der Ploeg	33
The use of complementary RNA probes for the identification and localisation of peptide messenger RNA in the diffuse neuroendocrine system	
A. Giaid, S. J. Gibson, J. Steel, P. Facer and J. M. Polak	43
Contributions of the spatial analysis of gene expression to the study of sea urchin development	
R. C. Angerer, S. D. Reynolds, J. Grimwade, D. L. Hurley, Q. Yang, P. D. Kingsley, M. L. Gagnon, J. Palis and L. M. Angerer	69
Advantages and limitations of <i>in situ</i> hybridisation as exemplified by the molecular genetic analysis of <i>Drosophila</i> development	
P. W. Ingham, A. Hidalgo and A. M. Taylor	97
The use of <i>in situ</i> hybridisation to study the localisation of maternal mRNAs during <i>Xenopus</i> oogenesis	
H. Perry-O'Keefe, C. R. Kintner, J. Yisraeli and D. A. Melton	115
<i>In situ</i> hybridisation in the analysis of genes with potential roles in mouse embryogenesis	
D. G. Wilkinson	131
Evolution of algal plastids from eukaryotic endosymbionts	
G. I. McFadden	143
Localisation of expression of male flower-specific genes from maize by <i>in situ</i> hybridisation	
S. Y. Wright and A. J. Greenland	157
Tissue preparation techniques for <i>in situ</i> hybridisation studies of storage-protein gene expression during pea seed development	
N. Harris, J. Mulcrone and H. Grindley	175

Investigation of gene expression during plant gametogenesis by <i>in situ</i> hybridisation <i>K. G. Jones, S. J. Crossley and H. G. Dickinson</i>	189
Sexing the human conceptus by <i>in situ</i> hybridisation <i>J. D. West</i>	205
Non-isotopic <i>in situ</i> hybridisation in human pathology <i>C. S. Herrington, J. Burns and J. O'D. McGee</i>	241
The demonstration of viral DNA in human tissues by <i>in situ</i> DNA hybridisation <i>M. Wells</i>	271
<i>Index</i>	273