

Contents

<i>List of contributors</i>	<i>page</i> ix
<i>Foreword</i>	xi
<i>Alan Bird</i>	
<i>Preface</i>	xv
<i>Acknowledgements</i>	xv
1 Introduction – from eye field to eyesight <i>Rachel O. L. Wong</i>	1
2 Formation of the eye field <i>Michael E. Zuber and William A. Harris</i>	8
3 Retinal neurogenesis <i>David H. Rapaport</i>	30
4 Cell migration <i>Leanne Godinho and Brian Link</i>	59
5 Cell determination <i>Michalis Agathocleous and William A. Harris</i>	75
6 Neurotransmitters and neurotrophins <i>Rachael A. Pearson</i>	99
7 Comparison of development of the primate <i>fovea centralis</i> with peripheral retina <i>Anita Hendrickson and Jan Provis</i>	126
8 Optic nerve formation <i>David W. Sretavan</i>	150
9 Glial cells in the developing retina <i>Kathleen Zahs and Manuel Esguerra</i>	172
10 Retinal mosaics <i>Stephen J. Eglen and Lucia Galli-Resta</i>	193
11 Programmed cell death <i>Rafael Linden and Benjamin E. Reese</i>	208
12 Dendritic growth <i>Jeff Mumm and Christian Lohmann</i>	242
13 Synaptogenesis and early neural activity	265

	<i>Evelyne Sernagor</i>	
14	Emergence of light responses <i>Evelyne Sernagor and Leo M. Chalupa</i>	288
	New perspectives	
15	Regeneration: transdifferentiation and stem cells <i>Jennie Leigh Close and Thomas A. Reh</i>	307
16	Genomics <i>Seth Blackshaw</i>	325
17	Zebrafish models of retinal development and disease <i>James M. Fadool and John E. Dowling</i>	342
	<i>Index</i>	371

Colour plate section between pp. 304 and 305.