



Contents

<i>List of Figures</i>	viii
<i>List of Tables</i>	xi
<i>Preface to the First Edition</i>	xii
<i>Preface to the Fourth Edition</i>	xiv
<i>Acknowledgements</i>	xv
<i>Abbreviations</i>	xix
<i>About the Companion Website</i>	xxi
1 The Biology of Change	1
2 Methods and Populations	17
3 From Gene to Brain	32
4 Building a Brain	43
5 Vision, Orienting, and Attention	83
6 Perceiving and Acting in a World of Objects	110
7 Perceiving and Acting in the Social World	121
8 Learning and Long-Term Memory	153
9 Language	166
10 Prefrontal Cortex, Working Memory, and Decision-Making	183
11 Cerebral Lateralization	197
12 Educational Neuroscience	205
13 Interactive Specialization	221
14 Toward an Integrated Developmental Cognitive Neuroscience	240
<i>References</i>	251
<i>Index</i>	300