

## CONTENTS

	<i>List of contributors</i>	ix
1	<b>Introduction</b> James Serpell	1
	<b>PART I ORIGINS AND EVOLUTION</b>	<b>5</b>
2	<b>Origins of the dog: The archaeological evidence</b> Juliet Clutton-Brock	7
3	<b>Origins of the dog: Genetic insights into dog domestication</b> Briggett M. vonHoldt and Carlos A. Driscoll	22
4	<b>Evolution of working dogs</b> Kathryn Lord, Richard A. Schneider and Raymond Coppinger	42
	<b>PART II BEHAVIOR, COGNITION AND TRAINING</b>	<b>67</b>
5	<b>Genetics of dog behavior</b> Linda van den Berg	69
6	<b>Becoming a dog: Early experience and the development of behavior</b> James Serpell, Deborah L. Duffy and J. Andrew Jagoe	93
7	<b>Breed and gender differences in dog behavior</b> Benjamin L. Hart and Lynette A. Hart	118
8	<b>Dog social behavior and communication</b> John Bradshaw and Nicola Rooney	133
9	<b>Ethology, ecology and epidemiology of canine aggression</b> Randall Lockwood	160

10	Social cognition and emotions underlying dog behavior Friederike Range and Zsófia Virányi	182
11	The learning dog: A discussion of training methods Ilana Reisner	210
12	Dogs in today's society: The role of applied animal behavior Stephen Zawistowski and Pamela Reid	227
<b>PART III DOG–HUMAN INTERACTIONS</b>		<b>245</b>
13	Dogs as helping partners and companions for humans Lynette A. Hart and Mariko Yamamoto	247
14	The welfare of dogs in human care Robert Hubrecht, Stephen Wickens and James Kirkwood	271
15	From paragon to pariah: Cross-cultural perspectives on attitudes to dogs James Serpell	300
<b>PART IV LIFE ON THE MARGINS</b>		<b>317</b>
16	Variation in dog society: Between resource dispersion and social flux David W. Macdonald and Geoffrey M. Carr	319
17	The ecology and behavior of feral dogs: A case study from central Italy Luigi Boitani, Francesco Francisci, Paolo Ciucci and Giorgio Andreoli	342
18	Roaming free in the rural idyll: Dogs and their connections with wildlife Joelene Hughes, David W. Macdonald and Luigi Boitani	369
19	Dog population management Elly F. Hiby and Lex R. Hiby	385
20	Epilogue: The tail of the dog James Serpell	404
	<i>Index</i>	413

*Color plates are to be found between pp. 230 and 231*