

Cambridge University Press

978-0-521-88318-4 - Speciation and Patterns of Diversity

Edited by Roger K. Butlin, Jon R. Bridle and Dolph Schluter

Table of Contents

[More information](#)

# Contents

<i>List of contributors</i>	page vii
<i>Preface</i>	ix
<i>Acknowledgements</i>	xi
1 Speciation and patterns of biodiversity <i>Roger K. Butlin, Jon R. Bridle and Dolph Schluter</i>	1
2 On the arbitrary identification of real species <i>Jody Hey</i>	15
3 The evolutionary nature of diversification in sexuals and asexuals <i>Timothy G. Barraclough, Diego Fontaneto, Elisabeth A. Herniou and Claudia Ricci</i>	29
4 The poverty of the protists <i>Graham Bell</i>	46
5 Theory, community assembly, diversity and evolution in the microbial world <i>Thomas P. Curtis, Nigel C. Wallbridge and William T. Sloan</i>	59
6 Limits to adaptation and patterns of biodiversity <i>Jon R. Bridle, Jitka Polechová and Tim H. Vines</i>	77
7 Dynamic patterns of adaptive radiation: evolution of mating preferences <i>Sergey Gavrillets and Aaron Vose</i>	102
8 Niche dimensionality and ecological speciation <i>Patrik Nosil and Luke Harmon</i>	127
9 Progressive levels of trait divergence along a 'speciation transect' in the Lake Victoria cichlid fish <i>Pundamilia</i> <i>Ole Seehausen</i>	155
10 Rapid speciation, hybridization and adaptive radiation in the <i>Heliconius melpomene</i> group <i>James Mallet</i>	177

Cambridge University Press

978-0-521-88318-4 - Speciation and Patterns of Diversity

Edited by Roger K. Butlin, Jon R. Bridle and Dolph Schluter

Table of Contents

[More information](#)

vi CONTENTS

11	Investigating ecological speciation <i>Daniel J. Funk</i>	195
12	Biotic interactions and speciation in the tropics <i>Douglas W. Schemske</i>	219
13	Ecological influences on the temporal pattern of speciation <i>Albert B. Phillimore and Trevor D. Price</i>	240
14	Speciation, extinction and diversity <i>Robert E. Ricklefs</i>	257
15	Temporal patterns in diversification rates <i>Andy Purvis, C. David L. Orme, Nicola H. Toomey and Paul N. Pearson</i>	278
16	Speciation and extinction in the fossil record of North American mammals <i>John Alroy</i>	301
	<i>Index</i>	324

The colour plate section is placed between pages 180 and 181