

Contents

| | | |
|---|--|-----|
| 1 | Introduction | 1 |
| | K. Smith and P.-M. Binder | |
| 2 | Neurobiology: Language By, In, Through and Across the Brain | 13 |
| | Ralph-Axel Müller | |
| 3 | Dialogue: Interactive Alignment and Its Implications for Language Learning and Language Change | 47 |
| | Simon Garrod and Martin J. Pickering | |
| 4 | Learning: Statistical Mechanisms in Language Acquisition | 65 |
| | Elizabeth Wonnacott | |
| 5 | Evolution: Language Use and the Evolution of Languages | 93 |
| | William Croft | |
| 6 | Transitions: The Evolution of Linguistic Replicators | 121 |
| | Simon Kirby | |
| 7 | Genes: Interactions with Language on Three Levels—Inter-Individual Variation, Historical Correlations and Genetic Biasing | 139 |
| | Dan Dediu | |
| 8 | Language in Nature: On the Evolutionary Roots of a Cultural Phenomenon | 163 |
| | Willem Zuidema | |

| | | |
|-----------|--|------------|
| 9 | Self-Organization: Complex Dynamical Systems in the Evolution of Speech | 191 |
| | Pierre-Yves Oudeyer | |
| 10 | Environment: Language Ecology and Language Death | 217 |
| | Suzanne Romaine | |
| 11 | Conclusions | 235 |
| | P.-M. Binder and K. Smith | |
| | Index | 245 |