Foundations in Evolutionary Cognitive Neuroscience

This book is an introduction to the emerging field of evolutionary cognitive neuroscience, a branch of neuroscience that combines the disciplines of evolutionary psychology and cognitive neuroscience. It outlines the application of cognitive neuroscientific methods (e.g. functional magnetic resonance imaging, transcranial magnetic stimulation, magneto- and electroencephalography, and the use of neuropsychiatric and neurosurgical patients) to answer empirical questions posed from an evolutionary meta-theoretical perspective. Chapters outline the basics of cognitive evolution and how the methods of cognitive neuroscience can be employed to answer questions about the presence of evolved cognitive adaptations. Foundations in Evolutionary Cognitive Neuroscience provides students and researchers with an introduction to this emerging field and presents the major topics of study undertaken by evolutionary cognitive neuroscientists – such as language evolution, intelligence, and face processing – and serves as a primer upon which to base further study in the discipline.

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Contents

List of contributors  page vii

1. Introduction to evolutionary psychology: A Darwinian approach to human behavior and cognition
   AARON T. GOETZ, TODD K. SHACKELFORD, AND STEVEN M. PLATEK  1

2. The evolution of general fluid intelligence
   DAVID C. GEARY  22

3. The role of a general cognitive factor in the evolution of human intelligence
   JAMES J. LEE  57

4. Where there is an adaptation, there is a domain: The form-function fit in information processing
   H. CLARK BARRETT  97

5. Invention and community in the emergence of language: Insights from new sign languages
   MICHAEL A. ARBIB  117

6. Origins of the language: Correlation between brain evolution and language development
   ALFREDO ARDILA  153
vi Contents

7. The evolutionary cognitive neuropsychology of face preferences
   Anthony C. Little and Benedict C. Jones 175

8. Sex differences in the neural correlates of jealousy
   Hidehiko Takahashi and Yoshiro Okubo 205

Index 216
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