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Soggetti	Evolution (Biology) Biology - Philosophy Cognition in animals Cognitive science Evolutionary developmental biology Evolutionary Biology Philosophy of Biology Animal Cognition Cognitive Science Evolutionary Developmental Biology
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Nota di contenuto	Life and Mind: An Introduction -- Part I: Embodiment, Perception and Cognition -- Animal Understanding and Animal Self-Awareness -- A Methodological Response to the Motley Crew Argument. Explaining Cognitive Phenomena through Enactivism and Ethology -- Causal Closure, Synaptic Transmission, and Emergent Mental Properties -- Color and Competence: A New View of Color Perception -- Menstrual Cycles as Key to Embodied Synchronisation -- Part II: Evolution, Language and Culture -- Is Cultural Selection Creative? -- Incommensurability in Evolutionary Biology: The Extended Evolutionary Synthesis Controversy -- Ontologies in Evolutionary Biology: The Role of The Organism in The Two Syntheses -- Tree Thinking and The Naturalization of Language -- Part III: Gene and Genotype Metaphysics

-- A New Perspective on Type-Token Distinction in The Genotype and Phenotype Concepts -- The Gene as a Natural Kind -- Part IV: Teleology in Biology and Cognitive Sciences -- Evolutionary Causation and Teleosemantics -- Teleological Explanations and Selective Mechanisms. Biological Teleology Beyond Natural Selection. .

Sommario/riassunto

This volume provides a broad overview of some cutting-edge philosophical topics of growing interest at the juncture between cognitive science and biology. The main goal is not to integrate the variety of approaches into a single account, but rather to offer diverse perspectives on a collection of selected biological issues of particular philosophical relevance, reflecting the plurality of current research in these areas. Four conceptual vectors give this volume its coherence: Animal and human cognition: With respect to animal cognition, this volume focuses on self-awareness and methodological flaws in the science of animal consciousness. Regarding human cognition, the authors of this volume address various aspects of so-called 4E cognition. Genetics: The role of genes in the development of mind and life has always been philosophically controversial. In this volume, the authors address the possibility of considering post-genomic genes as natural kinds and the proper analysis of the concept of genotype. Teleology: This volume addresses issues of evolutionary causality and teleosemantics, as well as questions relating to biological teleology and regulation. Evolution: Evolution exemplifies better than any other concept the convergence point between philosophy, biology and cognitive sciences. Among other things, the volume deals with the origin of novelties in evolutionary processes from various viewpoints (e. g. cultural evolution and developmental plasticity). Despite their disparity, all these topics belong to a common naturalistic framework. By presenting them in a single volume, the editors want to emphasize the need to always conduct philosophical research on mind and life with tangential domains in mind. This book is a valuable resource for students and researchers of philosophy with a special interest in life, cognition, and evolution, as well as for biologists and cognitive scientists.
