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Nota di contenuto	Chapter 1 Introduction to Animal Neuroethics: What and Why? -- PART I NEUROSCIENCE OF NONHUMAN MINDS -- Chapter 2 Sentience and Consciousness as Bases for Attributing Interests and Moral Status: Considering the Evidence—and Speculating Slightly Beyond -- Chapter 3 The Human Challenge in Understanding Animal Cognition -- Chapter 4 Mental Capacities of Fishes -- Chapter 5 Bovine Prospection, the Mesocorticolimbic Pathways, and Neuroethics: Is a Cow's Future Like Ours? -- Chapter 6 Speciesism and Human Supremacy in Animal Neuroscience -- PART II NEUROETHICAL ISSUES AND NONHUMAN ANIMALS -- Chapter 7 On Mitigating the Cruelty of Natural Selection Through Humane Genome Editing -- Chapter 8 In Defense of Neural Disenhancement to Promote Animal Welfare -- Chapter 9 The Four Cs of Modern (Neuro)ethology and Neuroethics: Cognition, Complexity, Conation and Culture -- Chapter 10 Large Brains in Small Tanks:

Intelligence and Social Complexity as an Ethical Issue for Captive Dolphins and Whales -- Chapter 11 Animal Rights and Captivity in a Non-Ideal World -- Chapter 12 Nonhuman, All Too Human: Towards Developing Policies for Ethical Chimera Research -- Chapter 13 The Role of Neuroscience in Precise, Precautionary, and Probabilistic Accounts of Sentience -- PART III NEUROETHICS AND NONHUMAN ANIMAL RESEARCH ETHICS -- Chapter 14 A Threshold Standard for Regulating Invasive Nonhuman Primate Research in the Age of the Major Brain Projects -- Chapter 15 The Right to Bodily Sovereignty and Its Importance to Mental and Physical Well-Being -- Chapter 16 The Trouble with Animal Models in Brain Research -- Chapter 17 Animal Models and the Search for Drug Treatments for Traumatic Brain Injury.

Sommario/riassunto

This edited volume represents a unique addition to the available literature on animal ethics, animal studies, and neuroethics. Its goal is to expand discussions on animal ethics and neuroethics by weaving together different threads: philosophy of mind and animal minds, neuroscientific study of animal minds, and animal ethics. Neuroethical questions concerning animals' moral status, animal minds and consciousness, animal pain, and the adequacy of animal models for neuropsychiatric disease have long been topics of debate in philosophy and ethics, and more recently also in neuroscientific research. The book presents a transdisciplinary blend of voices, underscoring different perspectives on the broad questions of how neuroscience can contribute to our understanding of nonhuman minds, and on debates over the moral status of nonhuman animals. All chapters were written by outstanding scholars in philosophy, neuroscience, animal behavior, biology, neuroethics, and bioethics, and cover a range of issues and species/taxa. Given its scope, the book will appeal to scientists and students interested in the debate on animal ethics, while also offering an important resource for future researchers. Chapter 13 is available open access under a CC BY 4.0 license at link.springer.com.
