

1. Record Nr.	UNINA9910973747803321
Titolo	Animal biotechnology : science-based concerns // Committee on Defining Science-based Concerns Associated with Products of Animal Biotechnology, Committee on Agricultural Biotechnology, Health, and the Environment, Board on Agriculture and Natural Resources, Board on Life Sciences, Division on Earth and Life Studies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2002
ISBN	9780309169332 030916933X 9780309502184 0309502187
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xviii, 181 pages)
Disciplina	660/.65
Soggetti	Animal biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Front Matter""; ""Preface""; ""Acknowledgments""; ""Contents""; ""Tables and Boxes""; ""Executive Summary""; ""1 Introduction""; ""2 Applications of Biotechnology Techniques""; ""3 Animals Engineered for Human Health Purposes""; ""4 Food Safety Concerns""; ""5 Environmental Concerns""; ""6 Animal Health and Welfare""; ""7 Concerns Related to Scientific Uncertainty, Policy Context, Institutional Capacity, and Social Implications""; ""References""; ""Glossary""; ""Appendix A""; ""Appendix B""; ""About the Authors""; ""Board on Agriculture and Natural Resources Publications""; ""Index""
Sommario/riassunto	Identifies science-based and policy-related concerns about animal biotechnology that must be resolved before breakthroughs in genetic-based animal biotechnology can reach their potential. After a short history of the field and definitions of terms, the book describes what is known and what is feared about emerging technologies and questions related to the inadvertent release of dangerous microorganisms, the safety of products derived from biotechnology, and the impact of genetically engineered animals on their environment. There is also

discussion of animal welfare concerns and society's capacity to regulate and manage technology.
