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Collana	American College of Laboratory Animal Medicine series The mouse in biomedical research ; ; 1
Altri autori (Persone)	FoxJames G
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Soggetti	Mice as laboratory animals Animal models in research
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Nota di contenuto	Front Cover; The Mouse in Biomedical Research: History, Wild Mice, and Genetics; Copyright Page; Table of Contents; List of Reviewers; List of Contributors; Foreword; Preface; Chapter 1. Building a Better Mouse: One Hundred Years of Genetics and Biology; Chapter 2. Systematics of the genus Mus; Chapter 3. The Secret World of Wild Mice; Chapter 4. Breeding Systems: Considerations, Genetic Fundamentals, Genetic Background, and Strain Types; Chapter 5. Mouse Strain and Genetic Nomenclature: an Abbreviated Guide; Chapter 6. The Mouse Genome; Chapter 7. Gene Mapping; Chapter 8. Genetic Monitoring Chapter 9. CytogeneticsChapter 10. Mouse Embryology: Research Techniques and a Comparison of Embryonic Development between Mouse and Man; Chapter 11. Gamete and Embryo Manipulation; Chapter 12. Chemical Mutagenesis in Mice; Chapter 13. Gene-Specific Mutagenesis; Chapter 14. Gene Transfer Studies Using Mouse Models; Chapter 15. Mouse and Human Pluripotent Stem Cells; Chapter 16. Drugs and the Mouse: Pharmacology, Pharmacogenetics, and Pharmacogenomics; Index; Colour Plates
Sommario/riassunto	History, Wild Mice, and Genetics, the first volume in the four volume

set, The Mouse in Biomedical Research, provides information about the history, biology and genomics of the laboratory mouse (*Mus musculus*), as well as basic information on maintenance and use of mouse stocks. Mouse origins and relationships are covered in chapters on history, evolutionary taxonomy and wild mice. Genetics and genomics of the mouse are covered in chapters on genetic nomenclature, gene mapping, cytogenetics and the molecular organization of the mouse genome. Maintenance of laboratory mice is descr

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