



Mouse Genetics: Concepts and Applications

By Lee M. Silver

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Mouse Genetics offers for the first time in a single comprehensive volume a practical guide to mouse breeding and genetics. Nearly all human genes are present in the mouse genome, making it an ideal organism for genetic analyses of both normal and abnormal aspects of human biology. Written as a convenient reference, this book provides a complete description of the laboratory mouse, the tools used in analysis, and procedures for carrying out genetic studies, along with background material and statistical information for use in ongoing data analysis. It thus serves two purposes, first to provide students with an introduction to the mouse as a model system for genetic analysis, and to give practicing scientists a detailed guide for performing breeding studies and interpreting experimental results. All topics are developed completely, with full explanations of critical concepts in genetics and molecular biology. As investigators around the world are rediscovering both the heuristic and practical value of the mouse genome, the demand for a succinct introduction to the subject has never been greater. *Mouse Genetics* is intended to meet the needs of this wide audience.

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Editorial Review

Review

"Mapping the human genome and identifying genes that contribute to susceptibility and resistance to disease are currently major preoccupations in biomedical science. The foundations for much of this sophisticated field of research were established in the mouse Lee Silver in a pleasing and easy style presents a unique synthesis of modern molecular genetics and the biology of the laboratory mouse Provides exciting reading for the student and continuing education for the more applied worker An exciting introduction to the comprehensive biology that is involved in the intriguing mysteries of the evolutionary process."

--*Science*

"Students and researchers involved in mouse genetic research will find Silver's book a welcome addition to their shelves." --*Choice*

About the Author

Lee M. Silver is at Princeton University.

Users Review

From reader reviews:

Will Guertin:

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