



FIFTH EDITION

CLINICAL LABORATORY ANIMAL MEDICINE

An Introduction

**Lesley A. Colby
Megan H. Nowland
Lucy H. Kennedy**



WILEY Blackwell

Clinical Laboratory Animal Medicine

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Fifth Edition

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An up-to-date, user-friendly guide to the anatomy and physiology, care, common diseases, and treatment of small mammals, select agricultural species, nonhuman primates



The revised fifth edition of *Clinical Laboratory Animal Medicine: An Introduction* is an accessible guide to basic information for conducting animal research safely and responsibly. It includes a review of the unique anatomic and physiologic characteristics of laboratory animals, husbandry practices, and veterinary care of many animals frequently used in research, including rodents, rabbits, ferrets, zebrafish, nonhuman primates, and agricultural animals.

The updated fifth edition adds two new chapters on zebrafish and large animals, new information on transgenic models and genetic editing, and expanded coverage of environmental enrichment and pain management. The book presents helpful tip boxes, images, and review questions to aid in comprehension and learning, and a companion website provides editable review questions and answers, instructional PowerPoints, additional images not found in the book, and video clips. This important text:

- Provides a complete introduction to laboratory animal husbandry, diseases, and treatments
- Offers a user-friendly format with helpful content that highlights important concepts
- Contains new knowledge relating to technical methodologies, diseases, drug dosages, laws and regulations, and organizations
- Covers information on regulations, facilities, equipment, housing, and research variables as well as veterinary care
- Includes new chapters on zebrafish and cattle, sheep, goats, and pigs



Written for veterinary technicians, veterinary students, practicing veterinarians, and research scientists, the fifth edition of *Clinical Laboratory Animal Medicine* continues to offer an essential guide to the ethical treatment and anatomic and physiological characteristics of research animals.

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This book is accompanied by a companion website at:
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The Website features editable chapter review exercises and answers; teaching PowerPoint presentations; and images in PowerPoint.

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