

# Normative Biology, Husbandry, and Models: A Comprehensive Guide for Animal Care Professionals

Working with animals in research and testing requires a profound understanding of their biology, care, and modeling. The American College of Laboratory Animal Medicine (ACLAM) has created an invaluable guide that delves into these essential aspects: Normative Biology, Husbandry, and Models.



## The Mouse in Biomedical Research: Normative Biology, Husbandry, and Models (American College of Laboratory Animal Medicine Book 3) by Melissa de la Cruz

★★★★★ 5 out of 5

Language : English  
File size : 29087 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 2457 pages



This comprehensive book is a must-have resource for veterinarians, technicians, scientists, and researchers involved in the care and use of laboratory animals. It provides an authoritative overview of the fundamentals of animal husbandry, including housing, nutrition, and health management.

## Normative Biology: Understanding Animal Physiology and Behavior

Normative biology forms the foundation of animal care. This book explores the normal physiology, anatomy, and behavior of common laboratory animal species, including mice, rats, rabbits, hamsters, guinea pigs, and non-human primates.

By understanding the typical characteristics and variations of each species, professionals can identify signs of illness or distress and ensure that animals receive appropriate care and handling.

### **Husbandry: Maintaining Optimal Animal Welfare**

Proper husbandry practices are essential for the well-being and health of laboratory animals. This book covers all aspects of husbandry, from housing design and sanitation to nutrition and enrichment.

Readers will gain insights into creating and maintaining a suitable environment that meets the physical, social, and psychological needs of the animals. This knowledge empowers professionals to optimize animal welfare and minimize stress.

### **Models: Utilizing Animals in Biomedical Research**

Animal models play a crucial role in biomedical research, allowing scientists to study human diseases and test new treatments. This book discusses the principles of animal modeling, including species selection, experimental design, and data interpretation.

Professionals will learn how to choose the most appropriate animal model for their research questions and how to use animals responsibly to obtain reliable results.

## Key Features of the Book

- **Comprehensive Coverage:** Covers the full spectrum of topics related to normative biology, husbandry, and models in laboratory animal care.
- **Authoritative Contributors:** Written by experts from ACLAM, ensuring the most up-to-date and evidence-based information.
- **Practical Guidance:** Provides practical advice and best practices for the care and use of laboratory animals.
- **Detailed Illustrations:** Includes numerous illustrations, tables, and charts to enhance understanding and aid in implementation.
- **Extensive References:** Offers a wealth of references for further exploration and research.

## Benefits for Animal Care Professionals

Normative Biology, Husbandry, and Models offers a multitude of benefits for anyone involved in the care and use of laboratory animals:

- **Enhanced Animal Welfare:** Provides knowledge and skills to promote animal welfare and minimize suffering.
- **Optimized Research Outcomes:** Helps professionals select and use animal models effectively, leading to improved research results.
- **Compliance with Regulations:** Assists in meeting regulatory requirements and ethical guidelines for animal care.
- **Career Advancement:** Provides a comprehensive resource for those seeking professional development in the field of laboratory animal science.

- **Accreditation Support:** Offers valuable information for institutions seeking accreditation by the Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC International).

Normative Biology, Husbandry, and Models by the American College of Laboratory Animal Medicine is an indispensable resource for anyone working with animals in research and testing. Its comprehensive coverage, authoritative contributors, and practical guidance empower professionals to provide optimal care for animals while using them responsibly in biomedical research.

Invest in this essential guide to unlock the secrets of animal care and advance your knowledge in the field of laboratory animal science.



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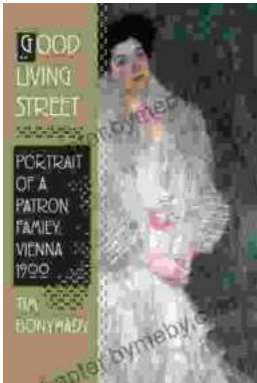
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