

Third Edition
**MANAGING THE
LABORATORY
ANIMAL FACILITY**
Jerald Silverman



CRC Press
Taylor & Francis Group

Managing The Laboratory Animal Facility

**American Veterinary Medical
Association**



Managing The Laboratory Animal Facility:

Managing the Laboratory Animal Facility Jerald Silverman, 2016-10-14 Praise for the Previous Editions The author brings in management wisdom from the world outside laboratory animal medicine and veterinary medicine As a result there is a rich mixture of the experience of a seasoned professional and the theoretical framework used by schools of management I recommend this book to managers and laboratory animal specialists at any stage of their careers Franklin M Loew DVM PhD DACLAM JAVMA Vol 222 No 6 2003 This book is a good informational resource for any new manager to the field of laboratory management The information is presented in a way that will keep your interest and stimulate you to think how it can benefit you and the facility in which you work Susan K Cutter BS RVT RLATG Purdue University West Lafayette Indiana USA LAMA Review Written in Jerry Silverman's trademark style Managing the Laboratory Animal Facility Third Edition provides the reader with sound management theory and associated management practices that are easy to read easy to understand easy to implement and pertinent to the daily management and leadership of laboratory animal facilities Maintaining the practical focus of previous editions this greatly expanded volume presents the critical knowledge needed to help you make efficient and effective use of the key resources that are used every day by vivarium managers people time money and information New to the Third Edition Incorporating the latest developments in management theory and application the edition contains approximately 100 pages of new and expanded material This more detailed coverage Discusses lean management concepts and practices and their application to laboratory animal science Adds information on many essential topics especially in human resources management in its treatment of negotiations influence and performance reviews Provides a large number of revisions and updates to Appendix 2 in its presentation of Per diem calculations Includes an extensive list of references for further study of specialized topics

Handbook of laboratory animal handling and management Dr. Sangeetha subramani, Dr. Jayasheela, Dr. Leonal Rabins, Dr. Deivanayagame, Dr. Kothandapani sundar, 2022-12-18 This book is entitled as Handbook of Laboratory animal Handling and Management provides basic information about handling restraining during experimentation and management practices Every drug discovery and development of therapeutic medicines and vaccines have been possible only on animal models so it is very important us to know the basic information regarding handling and management of laboratory animals before the start of any scientific Experiments This book also gives information about IAEC Institutional Animal Ethics Committee guidelines and CPCSEA Committee for the Purpose of Control Supervision of Experiments on Laboratory Animals norms regarding use of Laboratory animals in the research studies I am sure that this book would be helpful for the post graduate students in the medical sciences and for the veterinary Graduate students Handbook of Facilities Planning: Laboratory animal facilities

Theodorus Ruys, 1990 **Management of Laboratory Animal Care and Use Programs** Mark A. Suckow, Fred A. Douglas, Robert H. Weichbrod, 2001-11-28 The management of biomedical research using animals has become increasingly

complex due to new technology increased regulatory oversight and recognition of the need for animals free of disease and distress Within this changing environment individuals charged with the management of laboratory animal facilities have a substantial responsibility to the institution the public and the animals Management of Laboratory Animals Care and Use Programs provides both factual and theoretical information drawn from the substantial experience of authors who are noted experts in the field This book will provide individuals with the basic knowledge and information necessary to meet typical professional challenges A co publication with the American Association for Laboratory Animal Science this valuable book serves as the text for the Certified Manager Animal Resources CMAR exam *Essentials of Laboratory Animal Science: Principles and Practices* P. Nagarajan,Ramachandra Gudde,Ramesh Srinivasan,2021-07-23 This book comprehensively reviews the anatomy physiology genetics and pathology of laboratory animals as well as the principles and practices of using laboratory animals for biomedical research It covers the design of buildings used for laboratory animals quality control of laboratory animals and toxicology and discusses various animal models used for human diseases It also highlights aspects such as handling and restraint and administration of drugs as well as breeding and feeding of laboratory animals and provides guidelines for developing meaningful experiments using laboratory animals Further the book discusses various alternatives to animal experiments for drug and chemical testing including their advantages over the current approaches Lastly it examines the potential effect of harmful pathogens on the physiology of laboratory animals and discusses the state of art in in vivo imaging techniques The book is a useful resource for research scientists laboratory animal veterinarians and students of laboratory animal medicine **Guide for the Care and Use of Laboratory Animals** National Research Council,Division on Earth and Life Studies,Institute for Laboratory Animal Research,Committee for the Update of the Guide for the Care and Use of Laboratory Animals,2011-01-27 A respected resource for decades the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts taking into consideration input from the scientific and laboratory animal communities and the public at large The Guide incorporates new scientific information on common laboratory animals including aquatic species and includes extensive references It is organized around major components of animal use Key concepts of animal care and use The Guide sets the framework for the humane care and use of laboratory animals Animal care and use program The Guide discusses the concept of a broad Program of Animal Care and Use including roles and responsibilities of the Institutional Official Attending Veterinarian and the Institutional Animal Care and Use Committee Animal environment husbandry and management A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment husbandry behavioral and population management and more Veterinary care The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian It includes recommendations on animal procurement and transportation preventive medicine including animal biosecurity and clinical care and management The Guide addresses distress and pain recognition and relief

and issues surrounding euthanasia Physical plant The Guide identifies design issues providing construction guidelines for functional areas considerations such as drainage vibration and noise control and environmental monitoring and specialized facilities for animal housing and research needs The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities This updated and expanded resource of proven value will be important to scientists and researchers veterinarians animal care personnel facilities managers institutional administrators policy makers involved in research issues and animal welfare advocates **Laboratory Animal**

Practitioner ,2010 Managing the NIH Bethesda Campus Capital Assets for Success in a Highly Competitive

Global Biomedical Research Environment National Academies of Sciences, Engineering, and Medicine, Division on Engineering and Physical Sciences, Board on Infrastructure and the Constructed Environment, Committee on Assessing the Capital Needs of the National Institutes of Health, 2019-11-02 The National Institutes of Health NIH is the primary agency of the United States government responsible for biomedical and public health research Founded in the late 1870s NIH has produced extraordinary advances in the treatment of common and rare diseases and leads the world in biomedical research It is a critical national resource that plays an important role in supporting national security The 310 acre Bethesda campus supports some 20 000 employees and contractors and it contains more than 12 million square feet of facilities divided amongst nearly 100 buildings including the largest dedicated research hospital in the world The Bethesda campus supports some of the most sophisticated and groundbreaking biomedical research in the world However while some new state of the art buildings have been constructed in recent years essential maintenance for many facilities and the campus overall has been consistently deferred for many years The deteriorating condition of NIH's built environment is now putting its ability to fulfill its mission at substantial risk Managing the NIH Bethesda Campus's Capital Assets for Success in a Highly Competitive Global Biomedical Research Environment identifies the facilities in greatest need of repair on the Bethesda campus and evaluates cost estimates to determine what investment is needed for the NIH to successfully accomplish its mission going forward Management of Animal Care and Use Programs in Research, Education, and Testing Robert H. Weichbrod, Gail A. (Heidbrink) Thompson, John N. Norton, 2017-09-07 AAP Prose Award Finalist 2018 19 Management of Animal Care and Use

Programs in Research Education and Testing Second Edition is the extensively expanded revision of the popular Management of Laboratory Animal Care and Use Programs book published earlier this century Following in the footsteps of the first edition this revision serves as a first line management resource providing for strong advocacy for advancing quality animal welfare and science worldwide and continues as a valuable seminal reference for those engaged in all types of programs involving animal care and use The new edition has more than doubled the number of chapters in the original volume to present a more comprehensive overview of the current breadth and depth of the field with applicability to an international audience Readers are provided with the latest information and resource and reference material from authors

who are noted experts in their field The book Emphasizes the importance of developing a collaborative culture of care within an animal care and use program and provides information about how behavioral management through animal training can play an integral role in a veterinary health program Provides a new section on Environment and Housing containing chapters that focus on management considerations of housing and enrichment delineated by species Expands coverage of regulatory oversight and compliance assessment and assurance issues and processes including a greater discussion of globalization and harmonizing cultural and regulatory issues Includes more in depth treatment throughout the book of critical topics in program management physical plant animal health and husbandry Biomedical research using animals requires administrators and managers who are knowledgeable and highly skilled They must adapt to the complexity of rapidly changing technologies balance research goals with a thorough understanding of regulatory requirements and guidelines and know how to work with a multi generational multi cultural workforce This book is the ideal resource for these professionals It also serves as an indispensable resource text for certification exams and credentialing boards for a multitude of professional societies Co publishers on the second edition are ACLAM American College of Laboratory Animal Medicine ECLAM European College of Laboratory Animal Medicine IACLAM International Colleges of Laboratory Animal Medicine JCLAM Japanese College of Laboratory Animal Medicine KCLAM Korean College of Laboratory Animal Medicine CALAS Canadian Association of Laboratory Animal Medicine LAMA Laboratory Animal Management Association and IAT Institute of Animal Technology

The COST Manual of Laboratory Animal Care and Use Bryan Howard,Timo Nevalainen,Gemma Perretta,2016-04-19 COST European Cooperation in the field of Scientific and Technical Research is an intergovernmental initiative in science and research intended to promote the coordination of nationally funded research in Europe Four working groups discuss the housing of animals their environmental needs refinement of procedures genetically modified animals and cost benefit analysis Based on the activities of these working groups this book provides the European best practices for individuals and institutions working with laboratory animals The text also discusses the ethical evaluation of experiments and procedures involving animals *Laboratory Animal Housing* ,1978 **Journal of the American Veterinary Medical Association** American Veterinary Medical Association,2017 **The Laboratory Cat** Brent J. Martin,1997-11-25 This guide was created especially for individuals performing research with cats whose duties include animal facility management animal husbandry regulatory compliance and technical procedures involved with their research Basic information and common procedures are presented in detail The Laboratory Hamster and Gerbil Karl J. Field,Amber L. Sibold,1998-12-04 The Laboratory Hamster and Gerbil details basic information and common procedures for individuals performing research with hamsters and gerbils It includes duties of animal facility management animal husbandry regulatory compliance and technical procedures and assists in the humane care and use of hamsters and gerbils in the laboratory It prov *Management of Animal Care and Use Programs in Research, Education, and Testing* Robert H. Weichbrod,Gail A. (Heidbrink) Thompson,John N.

Norton, 2017-09-07 AAP Prose Award Finalist 2018 19 Management of Animal Care and Use Programs in Research Education and Testing Second Edition is the extensively expanded revision of the popular Management of Laboratory Animal Care and Use Programs book published earlier this century. Following in the footsteps of the first edition, this revision serves as a first line management resource providing for strong advocacy for advancing quality animal welfare and science worldwide and continues as a valuable seminal reference for those engaged in all types of programs involving animal care and use. The new edition has more than doubled the number of chapters in the original volume to present a more comprehensive overview of the current breadth and depth of the field with applicability to an international audience. Readers are provided with the latest information and resource and reference material from authors who are noted experts in their field. The book emphasizes the importance of developing a collaborative culture of care within an animal care and use program and provides information about how behavioral management through animal training can play an integral role in a veterinary health program. Provides a new section on Environment and Housing containing chapters that focus on management considerations of housing and enrichment delineated by species. Expands coverage of regulatory oversight and compliance assessment and assurance issues and processes including a greater discussion of globalization and harmonizing cultural and regulatory issues. Includes more in depth treatment throughout the book of critical topics in program management: physical plant, animal health and husbandry. Biomedical research using animals requires administrators and managers who are knowledgeable and highly skilled. They must adapt to the complexity of rapidly changing technologies, balance research goals with a thorough understanding of regulatory requirements and guidelines and know how to work with a multi generational multi cultural workforce. This book is the ideal resource for these professionals. It also serves as an indispensable resource text for certification exams and credentialing boards for a multitude of professional societies. Co publishers on the second edition are ACLAM American College of Laboratory Animal Medicine, ECLAM European College of Laboratory Animal Medicine, IACLAM International Colleges of Laboratory Animal Medicine, JCLAM Japanese College of Laboratory Animal Medicine, KCLAM Korean College of Laboratory Animal Medicine, CALAS Canadian Association of Laboratory Animal Medicine, LAMA Laboratory Animal Management Association and IAT Institute of Animal Technology. Laboratory Animal Science, 1990

American Journal of Veterinary Research, 2017 Volumes for 1956 include selected papers from the proceedings of the American Veterinary Medical Association. **A Manual For Laboratory Animal Management** Jonathan David

Ward, 2008-10-21 Laboratory animal research remains a very important part of basic research and drug development. With the worldwide increase in biotechnology, more and more researchers are required to use animals for research. However, many have basic or little training in experimental techniques or in the background information which remains very important. This book rectifies the problem by providing animal researchers and technicians with the essentials for conducting their work in the laboratory, offering detailed protocols and information that can be referred to on a daily basis. Broadly covering a number

of important topics it draws attention to many of the techniques required to conduct animal research well and responsibly in order to obtain better experimental results

Practical Management of Research Animal Care and Use Programs

Javier Guillén, Viola Galligoni, 2024-11-06 This book provides a complete guide to all the aspects to consider during planning establishing and managing ethically and efficiently research animal care and use programs taking into account all stakeholders involved in the process Practical information on how to address the general and particular needs of all animal care and use program areas is provided Consequently the reader is supported with getting their project ethically and legally compliant and implemented efficiently with organizing safe and appropriate facilities and equipment as well as hiring sufficiently trained personnel Furthermore strategies for impactful internal and external communication are outlined Responsible use of animals in research can be nothing but teamwork The environment and professional experience of all involved stakeholders are the key for ensuring quality science as well as animal and personnel welfare Research animal care and use programs represent a complex system in which animals legislation and good practices facility personnel and researchers interact on a daily basis Thoughtful planning from the first step ensures animal welfare and improves the quality of in vivo experimentation This book addresses animal program managers veterinarians researchers and technicians working in research animal facilities Chapter 18 is available open access under a Creative Commons Attribution 4.0 International License via link [springer.com](https://www.springer.com) *Agindex*, 1987

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