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The Welfare of Laboratory Animals

Edited by
Eila Kaliste



 Springer



The Welfare Of Laboratory Animals The Welfare Of Laboratory Animals

**National Academies of Sciences,
Engineering, and Medicine, Division on
Earth and Life Studies, Institute for
Laboratory Animal
Research, Roundtable on Science and
Welfare in Laboratory Animal Use**

The Welfare Of Laboratory Animals The Welfare Of Laboratory Animals:

The Welfare of Laboratory Animals Eila Kaliste, 2007-04-18 Animal welfare is attracting increasing interest worldwide but particularly from those in developed countries who now have the knowledge and resources to be able to offer the best management systems for their farm animals as well as potentially being able to offer plentiful resources for companion zoo and laboratory animals The increased attention given to animal welfare in the West derives largely from the fact that the relentless pursuit of financial reward and efficiency has led to the development of intensive animal production systems that offend the conscience of many consumers in those countries In developing countries human survival is still a daily uncertainty so that provision for animal welfare has to be balanced against human welfare Welfare is usually provided for only if it supports the output of the animal be it food work clothing sport or companionship In reality there are resources for all if they are properly husbanded in both developing and developed countries The inequitable division of the world's riches creates physical and psychological poverty for humans and animals alike in all sectors of the world Livestock are the world's biggest land user FAO 2002 and the population particularly of monogastric animals is increasing rapidly to meet the need of an expanding human population Populations of animals managed by humans are therefore increasing worldwide so there is the tendency to allocate fewer resources to each one

Welfare of Laboratory Animals Symposium on the Welfare of Laboratory Animal (1976), 1977 **Laboratory Animal Welfare** Kathryn Bayne, Patricia V. Turner, 2013-09-02 Laboratory Animal Welfare provides a comprehensive up to date look into the new science of animal welfare within laboratory research Animals specifically considered include rodents cats and dogs nonhuman primates agricultural animals avian animals and aquatic animals The book examines the impact of experiment design and environment on animal welfare as well as emergency situations and euthanasia practices Readers will benefit from a review of regulations and policy guidelines concerning lab animal use as well as information on assessing animal welfare With discussions of the history and ethics of animals in research and a debate on contemporary and international issues this book is a go to resource for laboratory animal welfare

Handbook of Laboratory Animal Management and Welfare Sarah Wolfensohn, Maggie Lloyd, 2013-04-15 This bestseller has been an essential book for all those working with laboratory animals since it was first published in 1994 This fourth edition retains all the classic features that have made it a must have reference including emphasis on best practice in order to improve animal welfare The contents have been thoroughly updated and reorganised to make sure it is a really practical book for day to day use in the laboratory The first section of the book covers principles applicable to all species for example husbandry handling and the education and training required by scientists and technical staff working with animals in the laboratory Later chapters focus on specific species or groups of species New to this edition Reflects changes in European legislation and their impact on national legislation Covers recommendations for the education and training of those carrying out animal experiments across Europe New chapters on ethical considerations and balancing animal welfare with

science New information on environmental enrichment for laboratory animals Covers advancements in anaesthesia and analgesia and techniques Spiral bound for ease of use as a bench top reference This book is ideal for all personnel carrying out scientific procedures using animals particularly during training and also for the new researcher It will also be essential reading for study directors designing research programmes animal technicians and veterinarians working with laboratory animal species *Public Health Service policy on humane care and use of laboratory animals* National Institutes of Health (U.S.). Office of Laboratory Animal Welfare, 2002

Use of Laboratory Animals in Biomedical and Behavioral Research National Research Council, Institute of Medicine, Institute for Laboratory Animal Research, Commission on Life Sciences, Committee on the Use of Laboratory Animals in Biomedical and Behavioral Research, 1988-02-01 Scientific experiments using animals have contributed significantly to the improvement of human health Animal experiments were crucial to the conquest of polio for example and they will undoubtedly be one of the keystones in AIDS research However some persons believe that the cost to the animals is often high Authored by a committee of experts from various fields this book discusses the benefits that have resulted from animal research the scope of animal research today the concerns of advocates of animal welfare and the prospects for finding alternatives to animal use The authors conclude with specific recommendations for more consistent government action Transportation of Laboratory Animals National Academies of Sciences, Engineering, and Medicine, Division on Earth and Life Studies, Institute for Laboratory Animal Research, Roundtable on Science and Welfare in Laboratory Animal Use, 2017-11-03 The obligation to treat animals used in research ethically and humanely extends beyond their lives in the laboratory to include their transportation from place to place Yet transporting animals is a highly regulated and complex process that raises many difficult issues To examine these issues the Roundtable on Science and Welfare in Laboratory Animal Use held a workshop on September 3 4 2014 in Washington DC More than 200 people participated in the workshop in person and online including representatives of academic research institutions pharmaceutical and consumer product companies government agencies research advocacy groups professional associations and the public The workshop was designed to draw attention to the essential thoughtful journey planning behind each transport of laboratory animals **What Animals Want** Larry Carbone, 2004 Larry Carbone provides a balanced and reasonable advocacy of animal rights looking at how to ethically and responsibly conduct biomedical and behavioural research that respects the rights and welfare of all subjects including animals **The UFAW Handbook on the Care and Management of Laboratory and Other Research Animals** Robert C. Hubrecht, James Kirkwood, 2010-01-19 The seminal reference on the care of laboratory and captive animals The UFAW Handbook on the Care and Management of Laboratory and Other Research Animals is a must have for anyone working in this field The UFAW Handbook has been the definitive text since 1947 Written for an international audience it contains contributions from experts from around the world The book focuses on best practice principles throughout providing comprehensive coverage with all chapters being peer reviewed by anonymous

referees As well as addressing the husbandry of laboratory animals the content is also of great value to zoos and aquaria Changes for the eighth edition Revised and updated to reflect developments since publication of the previous edition New chapters on areas of growing concern including the 3Rs phenotyping statistics and experimental design welfare assessment legislation training of people caring for lab animals and euthanasia All material combined into one volume for ease of reference This book is published on behalf of UFAW The Universities Federation for Animal Welfare with whom we also publish the UFAW Wiley Blackwell Animal Welfare Book Series This major series of books provides an authoritative source of information on worldwide developments current thinking and best practice in the field of animal welfare science and technology For details of all of the titles in the series see <http://www.wiley.com/go/uface>

Laboratory Animal Welfare, 1987 **Education and Training in the Care and Use of Laboratory Animals**,

Public Health Service Policy on Humane Care and Use of Laboratory Animals National Institutes of Health (U.S.). Office for Protection from Research Risks, 1986 *Design, Implementation, Monitoring, and Sharing of Performance Standards for Laboratory Animal Use* National Academies of Sciences, Engineering, and Medicine, Division on Earth and Life Studies, Institute for Laboratory Animal Research, Roundtable on Science and Welfare in Laboratory Animal Use, 2015-12-04 In order to better understand the critical issues pertaining to the concept of performance standards for laboratory animal use the Institute for Laboratory Animal Research Roundtable on Science and Welfare in Laboratory Animal Use held a public workshop on April 20-21, 2015 The purpose of the workshop was to promote the appropriate and responsible care of animals in research to provide a balanced and civil forum for discussion and collaboration and to help build transparency and trust among stakeholders Participants addressed the challenges of defining developing implementing assessing and validating performance standards to ensure optimal practices management and operations This report summarizes the presentations and discussions from the workshop **Laboratory Animal Welfare** Cheryl Nyberg, Maria A. Porta, Carol Boast, 1994

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

Education and Training in the Care and Use of Laboratory Animals
National Research Council, Division on Earth and Life Studies, Institute for Laboratory Animal Research, Commission on Life Sciences, Committee on Educational Programs in Laboratory Animal Science, 1991-02-01 Federal law now requires that institutions provide training for anyone caring for or using laboratory animals This volume provides the guidelines and resources needed to coordinate a quality training program as well as to meet all legal requirements A core module for all personnel takes no more than four hours to present Most staff then proceed to one or more additional skills development modules including the species specific module that can be customized to any species in use at the institution the pain management module and the surgery module The volume provides content information for required topics from ethics to record keeping and lists sources of additional publications audiovisual programs and computerized teaching aids Included are Ready to use teaching outlines with detailed instructions for presenting material Practical guidelines on logistics covering scheduling budgeting and more Guidelines on how to design training for adults and how to work with investigators who may resist taking training courses This practical guidebook will be necessary for research institutions particularly for staff members responsible for training coordination

Laboratory Animals Javier Guillen, 2013-09-23 Laboratory Animals Regulations and Recommendations for Global Collaborative Research is the only publication to offer a compilation of standards across the world in the care welfare and use of animals in research Timely in the new legislation in numerous regions of the world this book provides the information in easily accessible readable language For professionals across laboratory animal science and biomedical research Laboratory Animals Regulations and Recommendations for Global Collaborative Research provides a broad picture of the regulations required in other areas of the world and is essential to appropriately manage animal care and use programs Offers a worldwide view and global compilation of regulations guidelines and recommendations for laboratory animal research Saves valuable time researching different regional legislation and regulations Provides insight into factors that play roles in the regulatory framework for countries and

geographic regions Written in layman s terms to easily understand legislation and regulations Guide for the Care and Use of Laboratory Animals Institute of Laboratory Animal Resources (U.S.). Committee on Revision of the Guide for Laboratory Animals Facilities and Care,1972 *Animal Rights and Welfare* Gale Research Inc,2018 Guide for the Care and Use of Laboratory Animals Institute of Laboratory Animal Research,Commission on Life Sciences,National Research Council,1996-07-23 A respected resource for decades the Guide for the Care and Use of Laboratory Animals has been revised by a committee of experts based on input from scientists and the public The Guide incorporates recent research on commonly used species including farm animals and includes extensive references It is organized around major components of animal use Institutional policies and responsibilities The committee discusses areas that require policy attention the role and function of the Institutional Animal Care and Use Committee protocols for animal care and use occupational health and safety personnel qualifications and other areas Animal environment husbandry and management The committee offers guidelines on how to design and run a management program addressing environment nutrition sanitation behavioral and social issues genetics nomenclature and more Veterinary care The committee discusses animal procurement and transportation disease and preventive medicine and surgery The Guide addresses pain recognition and relief and issues surrounding euthanasia Physical plant The committee identifies design and construction issues providing guidelines for animal room doors drainage noise control surgery and other areas The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities a resource of proven value now updated and expanded This revision will be important to researchers animal care technicians facilities managers administrators at research institutions policymakers involved in research issues and animal welfare advocates

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