

Third Edition



Handbook of **Laboratory Animal Management and Welfare**

Sarah Wolfensohn and
Maggie Lloyd



**Blackwell
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Handbook Of Laboratory Animal Management And Welfare

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Handbook of Laboratory Animal Management and Welfare Sarah Wolfensohn, Maggie Lloyd, 2008-04-15 This third edition of the bestseller *Handbook of Laboratory Animal Management and Welfare* has been fully revised and updated making it an essential handbook for all those working with animals under the Animals Scientific Procedures Act 1986 Designed to be a practical reference book it covers every area of animal care and aims to improve animal welfare through best practice and refinement of techniques It covers principles applicable to all species including training of licensees the regulatory framework euthanasia management of pain and stress anaesthesia and surgery and also includes specific sections on biology and husbandry

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Handbook of Laboratory Animal Management and Welfare Sarah Wolfensohn, 1998 *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/ufaw>

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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

Handbook of Laboratory Animal Science Jann Hau, Steven J. Schapiro, 2021-05-17 Building upon the success of previous editions of the bestselling Handbook of Laboratory Animal Science first published in 1994 this latest revision combines all three volumes in one definitive guide It covers the essential principles and practices of Laboratory Animal Science as well as selected animal models in scientific disciplines where much progress has been made in recent years Each individual chapter focuses on an important subdiscipline of laboratory animal science and the chapters can be read and used as stand alone texts with only limited necessity to consult other chapters for information With new contributors at the forefront of their fields the book reflects the scientific and technological advances of the past decade It also responds to advances in our understanding of animal behavior emphasizing the importance of implementing the three Rs replacing live animals with alternative methods reducing the number of animals used and refining techniques to minimize animal discomfort This fourth edition will be useful all over the world as a textbook for laboratory animal science courses for postgraduate and undergraduate students and as a handbook for scientists who work with animals in their research for university veterinarians and for other specialists in laboratory animal science

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

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

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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 **Guide for Laboratory Animal Facilities and Care** Animal Care Panel (U.S.). Animal Facilities Standards Committee,United States. Public Health Service,1963

Handbook of Laboratory Animal Science Jann Hau,Steven J. Schapiro,2002-10-28 The second edition of an international bestseller this book provides veterinary specialists as well as veterinary and biomedical researchers with detailed information about laboratory animal genetics diseases health monitoring nutrition and environmental impact on animal experiments Completely revised and updated Volume I now contains expand The Care and Management of Laboratory Animals. Handbook of the Universities Federation for Animal Welfare Universities Federation for Animal Welfare,1947

Guide for Laboratory Animal Facilities and Care National Research Council (U.S.). Committee on the Guide for Laboratory Animal Facilities and Care,1965 **Guide for the Care and Use of Laboratory Animals** Institute of Laboratory Animal Resources (U.S.). Committee on Care and Use of Laboratory Animals,National Institutes of Health (U.S.),1978 **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 **Guide for Laboratory Animal Facilities and Care** Institute of Laboratory Animal Resources (U.S.). Committee on the Guide for Laboratory Animal Facilities and Care,1965

Handbook on Care and Management of Laboratory and Pet Animals Y. B. Rajeshwari,2009-06-09 It is now an established fact that laboratory animals play a very vital role in bio chemical research particularly in the drug development programmes The book Includes comprehensive and updated information on all the topics which is presented in a precise manner in a simple language which becomes easy for students to understand Further with the touch of personal communication of authors out of their enriched experience in profession for considerable long time the information becomes more educative and lucrative for students as well as for the teacherThe book contains information on pet animals and animal welfare and ethics Guide for the Care and

Use of Laboratory Animals Institute for Laboratory Animal Research, Commission on Life Sciences, Division on Earth and Life Studies, National Research Council, 1996-08-06 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

Laboratory Animal Facilities and Management D'Anna J. B. Jensen, 1995 A Manual for Laboratory Animal Management Jonathan David Ward, 2008 Laboratory animal research remains a very important part of basic research and drug development 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

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