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that reduces the number of animals used or which replaces animal models with in vitro alternatives.

Laboratory Animals: SAGE Journals

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alternatives are available. We believe that every area of animal use should be judged individually and that replacing the use of animals with humane alternatives must be the principal goal.

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for Research: A Directory of Sources,
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Methods Guide for the Care and Use of Laboratory Animals, 8th ...

Animal testing, also known as animal experimentation, animal research and in vivo testing, is the use of non-human animals in experiments that seek to control the variables that affect the behavior or biological system under

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study. This approach can be contrasted with field studies in which animals are observed in their natural environments or habitats.

Animal testing - Wikipedia

The Institutional Animal Care and Use Committee (IACUC) plays a key role in maintaining the University's strict

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adherence to relevant laws and guidelines pertaining to the use of live animals in research and education. The IACUC, through the protocol review process as outlined in the Public Health Service Policy on the Humane Care and Use of Laboratory Animals, upholds the most stringent laws concerning the use of animals.

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Laboratory Animal Resources - Laboratory Animal Resources ...

Lab Rat Chat talks to AAALAC's Dr. Diggs. In this episode, Lab Rat Chat hosts talk to AAALAC Senior Director Dr. Helen Diggs about AAALAC's mission and work, and why AAALAC has been "so critical to the continued evolution of

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animal care and use standards."

Home - AAALAC

The use of animals in scientific research remains a vital tool in improving our understanding of how biological systems work both in health and disease, and in the development of new medicines ...

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Nonhuman primates most commonly used in research are native to tropical and subtropical regions, and breeding facilities in those regions can provide captive animals with a suitable environment. These captive bred animals are reared to young adulthood before being moved to research facilities around the world.

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Why Animal Research?

The PHS Policy is based on a set of research animal care standards, the Guide for the Care and Use of Laboratory Animals, first published in 1963. The PHS Policy requires institutions to use this guide as a basis for developing and implementing institutional programs for

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research involving animals.

Regulatory Requirements for Laboratory Animals - Exotic ...

It is important to stress that 95% of all animals necessary for biomedical research in the United States are rodents - rats and mice especially bred for laboratory use - and that animals are

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only one part of the larger process of
biomedical research.

Why Animal Research? | Animal Research at Stanford ...

The experimental use of laboratory animals plays an essential role in University research and education efforts. The University recognizes and

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accepts its legal and ethical obligations
for the humane treatment of animals
used in its classrooms and laboratories.

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There are important scientific, legal and
ethical reasons for optimising the quality
of animal research and testing. Concerns

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about the reproducibility and translatability of animal studies are now being voiced not only by those opposed to animal use, but also by scientists themselves. Many of the attempts to improve reproducibility have, until recently, focused on ways in which the reporting ...

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**Guidelines for planning and
conducting high-quality ...**

Roundtable on Science and Welfare in
Laboratory Animal Use This roundtable
brings together representatives from
government, industry, animal advocacy
groups, professional societies, and
academic institutions to discuss science-
and welfare-related issues dealing with

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the use of animals in research.

Institute for Laboratory Animal Research | National Academies

The use of animals in research adheres to scientific and ethical principles that promote humane care and practice.

Scientific advances in our understanding of animal physiology and behavior often

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require theories to be revised and standards of practice to be updated to improve laboratory animal welfare.

Recognition and Alleviation of Pain in Laboratory Animals ...

New research from Duke University Marine Laboratory documented a new dive record by a Cuvier's beaked whale,

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an elusive open ocean species.

According to the study, published this week in the online Journal of Experimental Biology , one Cuvier's beaked whale remained underwater for 3 hours and 42 minutes.

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