



Online Ethics Center
FOR ENGINEERING AND SCIENCE

Recognition and Alleviation of Pain in Laboratory Animals

Author(s)

National Academies of Sciences, Engineering, and Medicine

Body

The use of animals in research adheres to scientific and ethical principles that promote humane care and practice. *Recognition and Alleviation of Pain in Laboratory Animals*, focuses on pain experienced by animals used in research. This book aims to educate laboratory animal veterinarians; students, researchers and investigators; Institutional Animal Care and Use Committee members; and animal care staff and animal welfare officers on the current scientific and ethical issues associated with pain in laboratory animals. It evaluates pertinent scientific literature to generate practical and pragmatic guidelines for recognizing and alleviating pain in laboratory animals, focusing specifically on the following areas: physiology of pain in commonly used laboratory species; pharmacologic and non-pharmacologic principles to control pain; identification of humane endpoints; and principles for minimizing pain associated with experimental procedures.

[Read *Recognition and Alleviation of Pain in Laboratory Animals*](#)

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Topics

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Discipline(s)

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Research Ethics

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