



**Catalina Guerra, DVM**

Director, C. W. Steers Biological Resources Center  
Los Angeles Biomedical Research Institute

Presents:

**Laboratory Animal Science**

September, 22<sup>nd</sup>, 6:30-8:30pm  
1600 East Hill Street, Signal Hill, CA 90755

Please join us for an enlightening evening as Dr. Guerra discusses some of the many medical advances that animal studies have offered the Clinical Research industry.

By attending this seminar you will have an understanding of:

- The use of animals in research
- Medical developments achieved through animal use
- Regulations governing the use of animals for research

Please RSVP to Angela Simonelli  
Secretary ACRP-So Cal.Chapter  
562.988.2278 or [asimonelli@auhs.edu](mailto:asimonelli@auhs.edu)

This event is free for ACRP members.  
All guests and non-members \$10 at the door.

Contact hours have been applied for through ACRP. To receive contact hours, go to your "My Tests, Evaluations and Certificates" (TEC) record on the ACRP website and complete the evaluation between 10-30 days following the event.

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## **Laboratory Animal Science**

### Summary

Animals have been used repeatedly through the history of biomedical research. Research animals are solely used for scientific and product testing. They are used in medical and veterinary investigations and training; in the testing of drugs, cosmetics, and other consumer products; and in educational programs.

During this presentation we will focus on some of the some of the medical advances achieved through animals. Live animals are used in modern medical research because some of their bodily systems mimic those of humans. This makes them useful test subjects for drugs, vaccines, and other products that could be dangerous to humans.

The increasing demand for high standard animal models together with a critical view on the use of animals led to the development of Laboratory Animal Science a field that can be defined as a multidisciplinary branch of science, contributing to the quality of animal experiments and to the welfare of laboratory animals. Laboratory Animal Science encompasses the biology of laboratory animals and their environmental requirements, genetic and microbiological standardization, prevention and treatment of diseases, improvement of experimental techniques, anesthesia, analgesia and euthanasia, alternatives to animal experiments and ethics.

The regulations that apply to animals in laboratories vary across species. In the U.S., under the provisions of the [Animal Welfare Act](#) and the *Guide for the Care and Use of Laboratory Animals* (the *Guide*), published by the National Academy of Sciences, procedure can be performed on an animal if it is scientifically justified. Some of these regulations will be explained and discussed.

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### Speaker Biography

Catalina Guerra, DVM, has been the Director at the C. W. Steers Biological Resources Center (BRC) for 2 years. Previously, she served as Associate Director for two years and Facilities Manager at the BRC for four years. Dr. Guerra is a veterinarian employed full-time by LA BioMed and devotes 100% of her time to supporting the institutional animal care and use program. Her duties include: planning, overseeing and conducting veterinary medical care; handling and restraining animals; providing anesthesia, analgesia, and surgical and post-surgical care; ensuring proper and humane animal care and use during experimentation; directing and supervising activities in the BRC; providing training to investigators, technicians and caretakers; serving as one of the veterinarians on the IACUC; making changes or providing recommendations for ensuring compliance with regulations; assisting in monitoring compliance with the Occupational Health and Safety programs; and being responsible for the animal health monitoring program. She has 11 years of experience with laboratory animals and five years with large animals. She previously served as a Parasitology Professor at the Universidad de Antioquia in Medellín, Colombia and practiced Equine Medicine at the Hipódromo de la Villa in Villa de Leyva, Colombia.