

W10 - Assurance of Animal Welfare in Research: Coexistence of Toxicology Studies with Humane Endpoints

Chairperson(s): Stephen M. Lasley, University of Illinois College of Med, Peoria, IL and Jeffrey I. Everitt, GlaxoSmithKline, Research Triangle Park, NC.

Endorsed by:

Animals in Research
Neurotoxicology Specialty Section

In the performance of toxicology studies, whether for purposes of Product safety testing or identifying mechanisms of toxicant action, it is necessary to incorporate multiple regulatory, scientific, humane, and ethical factors into the use and care of laboratory animals. This Workshop will provide a forum for discussion of these various factors from different vantage points to better inform the audience, particularly with respect to utilization of humane endpoints. These issues are of timely importance because of continually increasing regulatory oversight of animal care and use, and thus this forum will be of broad interest to toxicologists. Consideration of these factors will be addressed from the standpoint of regulatory requirements and the types of data that must be submitted (Schechtman). A veterinary medicine perspective will be presented, highlighting the development of humane endpoints and their use to determine when study interventions are necessary (Stokes). The role of the IACUC will be defined, particularly in the refinement of the project experimental design and optimization of the proposed numbers of animals (Brown). The conduct of toxicology studies will also be presented from the viewpoint of the investigator, who must balance these factors to produce sound and reliable data (Mattsson). The final presentation will provide a European Union perspective, highlighting the manner in which approaches to these animal care issues are addressed differently in those countries, and indicating trends in regulatory oversight that may soon reach North America (Donovan).

Assurance of Animal Welfare in Research: Coexistence of Toxicology Studies and Humane Endpoints - Issues in Toxicity Testing for Regulatory Purposes, Leonard M. Schechtman, U.S. FDA, Rockville, MD.

Assurance of Animal Welfare in Research: Coexistence of Toxicology Studies with Humane Endpoints-Veterinary Medicine and Animal Welfare Issues, William S. Stokes, DHHS/NIH/NIEHS, Research Triangle Park, NC.

The IACUC as a Value-Added Component of Toxicology Research, Marilyn J. Brown, Charles River Laboratories, Wilmington, MA.

Animal Testing: The Dichotomy Between Natural Toxicants in Food and Synthetic Pesticides Points to a Problem, Joel L. Mattsson, Dow AgroSciences LLC, Indianapolis, IN.

European Perspectives on Animal Welfare and Scientific Endpoints in Animal Studies, John C. Donovan, Wyeth Research, Collegeville, PA.