**ANIMAL CARE & USE COURSES**

**AALAS Certification Preparation**
- CMAR: Preparing for the Animal Resources Exam
- Study & Test-Taking Skills
- Taking an AALAS Technician Certification Exam

**ALAT Training (2018)**
1: The Field of Laboratory Animal Science
2: The Animal Research Environment
3: Facility Security & Emergencies
4: Occupational Health & Safety
- Unit 1 Review Exam (ALAT 1–4)
5: Facility Equipment
6: Caging Systems
7: The Laboratory Animal Environment
8: Housekeeping Tasks & Contamination Control
9: Feed & Nutrition
10: Husbandry
- Unit 2 Review Exam (ALAT 5–10)
11: Animal Procurement & Quarantine
12: Medications
13: Colony Health Surveillance
14: Euthanasia
- Unit 3 Review Exam (ALAT 11–14)
15: Introduction to Science & Metrics
16: Experimental Design & Methodology
17: Heredity & Breeding
- Unit 4 Review Exam (ALAT 15–17)
18: Mice
19: Rats
20: Hamsters
21: Gerbils
22: Guinea Pigs
23: Rabbits
24: Cats
25: Dogs
26: Swine
27: Ruminants
28: Nonhuman Primates
29: Birds
30: Fish
31: Amphibians
32: Ferrets
33: Less Common Research Animals
- Unit 5 Review Exam (ALAT 18–33)

**LATG Training (2016)**
1: Personnel Management
2: Training
3: Facility Management
4: Facility Security and Disaster Planning
5: Managing Compliance
6: Health Surveillance and Quality Assurance
- Unit 1 Review Exam (LATG)
7: Occupational Health and Safety
8: Biochemistry, Nutrition, and Feed
9: Molecular Biology
10: Genetic Engineering
11: Gnotobiotics
- Unit 2 Review Exam (LATG)
12: Immunology
13: Agents of Infectious Disease
14: Common Health Problems of Laboratory Animals
15: Diagnostic Techniques
16: Pharmacology
17: Anesthesia and Analgesia
18: Experimental Design and Data Handling
- Unit 3 and 4 Review Exam (LATG)

**Analgesia, Anesthesia, & Surgery**
- Aseptic Technique for Rodent Survival Surgery
- Inhalation Anesthesia Systems for Rodents
- Pain Management in Laboratory Animals
- Post-Procedure Care of Mice & Rats in Research: Minimizing Pain & Distress
- Small Ruminant Anesthesia

**Animal Health & Wellbeing**
- Environmental Enrichment
- Introduction to Laboratory Animal Medicine

**Bioethics**
- Ethical Case 1: Mouse in a Parasitology Experiment
- Ethical Case 2: Rat with Partial Paralysis
- Ethical Decision-Making in Animal Research

**Bioimaging**
- Magnetic Resonance Imaging
- Optical Imaging
- PET and SPECT Imaging
- Thermography Imaging

**Biosecurity**
- Introduction to VA Biosecurity Concepts

**Calculations & Statistics**
- Basic Metrics for the Laboratory Animal Facility
- Design and Statistical Analysis of Laboratory Animal Studies
- Dose Calculations: Basic
- Dose Calculations: Advanced
- Fractions, Percentages, & Decimals

**Compliance & IACUC Training**
- Avoiding Financial Conflict of Interest in Federal Research
- Common Compliance Issues
- Essentials for IACUC Members
- IACUC Chair: Role and Responsibilities
- Institutional Official: Role in Laboratory Animal Research
- Maintaining Animal Procedure Areas
- Post-Approval Monitoring
- Refresher: Working with the IACUC
- Semiannual Facility Inspection
- Working with the IACUC

**Facilities, Supplies, & Materials**
- Aquatic Animal Husbandry & Management
- Cage Equipment Cleaning Using Mechanical Washers
- Microbial Decontamination Principles & Chemical Disinfectants
- Personal Protective Equipment for Working in a Laboratory Animal Facility
- Physical Plant Work in the LAF—Manager Orientation
- Physical Plant Work in the LAF—Technician Orientation
- Syringes & Needles
- Watering Systems

**Lab Animal Support Certificate**
- Introduction to the Program

**Management & Training**
- Active Listening

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**Essential online training** for investigators, technicians, veterinarians, managers, and IACUC members in the laboratory animal science field.
Communicating with the Non-Native English Speaker
Delegation & Empowerment
Reaching Out to the Public: A How to Guide
Standard Operating Procedures (SOPs)
Team Building
Time Management & Goal Setting
Training in Laboratory Animal Science—An Overview
Writing Multiple Choice Questions

**Mandates & Guidelines—Australia**
Australian Code for the Care and Use of Animals for Scientific Purposes

**Mandates & Guidelines—U.S.**
Animal Welfare Act Regulations
AVMA Guidelines for the Euthanasia of Animals
Biosafety in Microbiologic & Biomedical Laboratories
Export Control Regulations
Good Laboratory Practice Regulations
Guide for the Care and Use of Agricultural Animals in Research and Teaching (3rd Edition)
Guide for the Care & Use of Laboratory Animals
NIH Guidelines for Research with Recombinant or Synthetic DNA
Occupational Health & Safety in the Care & Use of Research Animals
Orientation to Biosafety in Microbiological and Biomedical Laboratories: 5th Ed
PHS Policy on Humane Care & Use of Laboratory Animals
Working with Controlled Substances

**Occupational Health & Safety**
Bloodborne Pathogens Training
Compassion Fatigue
Ergonomics: Working Smart
Introduction to Ergonomics
Lab Animal Allergy

**Scientific Reproducibility**
Effect of Macronutritional Variables on Reproducibility
Reproducibility in Preclinical Imaging

**Species-Specific Courses**
Introduction to Amphibians
Introduction to Bats
Introduction to Birds
Introduction to Cats
Introduction to Cattle
Introduction to Chinchillas
Introduction to Cotton Rats
Introduction to Dogs
Introduction to Ferrets
Introduction to Fish
Introduction to Gerbils
Introduction to Guinea Pigs
Introduction to Hamsters
Introduction to Horses
Introduction to Mice
Introduction to Monodelphis Opossum
Introduction to Nonhuman Primates
Introduction to Rabbits
Introduction to Rats
Introduction to Sheep & Goats
Introduction to Swine
Introduction to Wildlife
Introduction to Woodchucks
Working with Laboratory Xenopus
Working with Laboratory Zebras
Working with Poultry in the Laboratory
Working with the Laboratory Dog (5 courses):
  - The Basics
  - Endotracheal Intubation
  - Injections & Blood Collection
  - Urinary Catheterization
  - Venous Catheterization
Working with the Laboratory Ferret
Working with the Laboratory Mouse
Working with the Laboratory Rat

**Toxicology**
Toxicological Research I: Basics
Toxicological Research II: Drug and Biological Product Development
Toxicological Research III: Risk Assessment and Policy

**ADVANTAGES OF INSTITUTIONAL GROUP SUBSCRIPTIONS**
- Access to group training records*
- Data automation services—federated single sign-on, transcript downloads*
- Create your own course or customize one of ours—up to 15 courses free!
- Training Management tools—assign courses, get completion notifications
- Customize your group’s course tracks for easy navigation.
- Friendly customer service by phone or email.

**PRICING FOR 1-YEAR SUBSCRIPTION**

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*Additional Services (available only to groups of institutions & companies with a paid account subscription.)

Automated Data Services: $350 members/$700 nonmembers
1–15 Custom Courses: $0 members/nonmembers
16–50 Custom Courses: $1,000 members/ $2,000 nonmembers

**FEATURES FOR USERS**
- Practice questions & final exams
- Personal transcripts
- Certificates of completion
- Training Program Certificates
- Continuing Education Units (CEUs); RACE CEs

**HUMAN RESEARCH PROTECTIONS LIBRARY**
Protecting Human Research Participants (Biomedical)

**ANIMAL BIOSAFETY TRAINING PROGRAM LIBRARY**
AAALAS Animal Biosafety Training Program Introduction
Animal Biosafety Risk Assessment & Management
Animal Facility Designs for Biocontainment
Biocontainment Equipment
Biosecurity in Animal Biocontainment Facilities
Incident Planning & Response within the Animal Biocontainment Facility
Institutional Responsibilities & Animal Biosafety
Microbiological Decontamination in Biocontainment
Occupational Health & Animal Biosafety
Select Agents & Toxins Regulations
Working Safely with Laboratory Animals in Biocontainment
Working Safely with Nonhuman Primates in Biocontainment
Working Safely with Poultry in Biocontainment
Working Safely with Rabbits & Ferrets in Biocontainment
Working Safely with Rodents in Biocontainment
Working Safely with Ungulates in Biocontainment

**TRANSGENICS TRAINING PROGRAM LIBRARY**
An Introduction to the AAALAS Transgenics Training Program
Colony Management I: Basics
Colony Management II: Daily Workflow
Colony Management III: Plans and Strategies
Genetics: The Basics
Genetics: Transgenic Mice
Nomenclature: Mice
Nomenclature: Rodents
Transgenic and Gene-Targeted Technology

**ADVANCES IN ANIMAL TRANSGENIC TECHNOLOGY**
Colony Management I: Basics
Colony Management II: Daily Workflow
Colony Management III: Plans and Strategies
Genetics: The Basics
Genetics: Transgenic Mice
Nomenclature: Mice
Nomenclature: Rodents
Transgenic and Gene-Targeted Technology

**TAXONOMY AND ANATOMICAL TERMINOLOGY**
An Introduction to the AALAS Transgenics Training Program
Colony Management I: Basics
Colony Management II: Daily Workflow
Colony Management III: Plans and Strategies
Genetics: The Basics
Genetics: Transgenic Mice
Nomenclature: Mice
Nomenclature: Rodents
Transgenic and Gene-Targeted Technology

**VIROLOGICAL TRAINING PROGRAM LIBRARY**
An Introduction to the AALAS Transgenics Training Program
Colony Management I: Basics
Colony Management II: Daily Workflow
Colony Management III: Plans and Strategies
Genetics: The Basics
Genetics: Transgenic Mice
Nomenclature: Mice
Nomenclature: Rodents
Transgenic and Gene-Targeted Technology

**PATHOGENIC BACTERIA TRAINING PROGRAM LIBRARY**
An Introduction to the AALAS Transgenics Training Program
Colony Management I: Basics
Colony Management II: Daily Workflow
Colony Management III: Plans and Strategies
Genetics: The Basics
Genetics: Transgenic Mice
Nomenclature: Mice
Nomenclature: Rodents
Transgenic and Gene-Targeted Technology

**SENIOR ANIMAL PROTOCOLS TRAINING PROGRAM LIBRARY**
An Introduction to the AALAS Transgenics Training Program
Colony Management I: Basics
Colony Management II: Daily Workflow
Colony Management III: Plans and Strategies
Genetics: The Basics
Genetics: Transgenic Mice
Nomenclature: Mice
Nomenclature: Rodents
Transgenic and Gene-Targeted Technology

**ZOOLOGICAL TRAINING PROGRAM LIBRARY**
An Introduction to the AALAS Transgenics Training Program
Colony Management I: Basics
Colony Management II: Daily Workflow
Colony Management III: Plans and Strategies
Genetics: The Basics
Genetics: Transgenic Mice
Nomenclature: Mice
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Transgenic and Gene-Targeted Technology