

Essential online training for investigators, technicians, veterinarians, managers, and IACUC members in the laboratory animal science field.

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)

- The Field of Laboratory Animal Science
- The Animal Research Environment
- Facility Security & Emergencies
- Occupational Health & Safety

Unit 1 Review Exam (ALAT 1–4)

- Facility Equipment
- Caging Systems
- The Laboratory Animal Environment
- Housekeeping Tasks & Contamination Control
- Feed & Nutrition
- Husbandry

Unit 2 Review Exam (ALAT 5–10)

- Animal Procurement & Quarantine
- Medications
- Colony Health Surveillance
- Euthanasia
- Introduction to Science & Metrics
- Experimental Design & Methodology
- Heredity & Breeding

Unit 4 Review Exam (ALAT 15–17)

- Mice
- Rats
- Hamsters
- Gerbils
- Guinea Pigs
- Rabbits
- Cats
- Dogs
- Swine
- Ruminants
- Nonhuman Primates
- Birds
- Fish
- Amphibians
- Ferrets
- Less Common Research Animals

Unit 5 Review Exam (ALAT 18–33)

Final Review Exam (ALAT 1–33)

ALAT Combined Review Exam

LAT Training (2021)

- Animal Research, Funding, and Program Oversight
 - Policies, Guidelines & Regulations in Animal Research
 - Ethics in Animal Research
 - Administrative Responsibilities
- Unit 1 Review Exam (LAT 1–4)
- Laboratory Animal Facility Design & Environmental Management
 - The Aquatic Environment
- Unit 2 Review Exam (LAT 5–6)
- Anatomy & Physiology
 - Genetics & Breeding Colony Management
 - Calculations & Conversions

Unit 3 Review Exam (LAT 7–9)

- Devices & Equipment for Common Technical Procedures
 - Performing Common Technical Procedures
 - Research Methodology –
 - Surgical Instruments & Materials
 - Aseptic Technique, Surgical Support & Anesthesia
- Unit 4 Review Exam (LAT 10–14)
- Diseases & Health Conditions
 - Emergency Situations

Unit 5 Review Exam (LAT 15–16)

Final Review Exam (LAT 1–16)

LAT Combined Review Exam

LATG Training (2016)

- Personnel Management
- Training
- Facility Management
- Facility Security and Disaster Planning
- Managing Compliance
- Health Surveillance and Quality Assurance
- Occupational Health and Safety

Unit 1 Review Exam (LATG)

- Biochemistry, Nutrition, and Feed
- Molecular Biology
- Genetic Engineering
- Gnotobiotics
- Immunology
- Agents of Infectious Disease
- Common Health Problems of Laboratory Animals
- Diagnostic Techniques
- Pharmacology
- Anesthesia and Analgesia
- Experimental Design and Data Handling

Unit 3 and 4 Review Exam (LATG)

Final Review Exam (LATG 01-18)

LATG Combined Review Exam

Anesthesia, Analgesia, & Surgery

- Aseptic Technique for Rodent Survival Surgery
- Humane Endpoints
- Inhalation Anesthesia Systems for Rodents
- Large Animal Surgery: Aseptic Technique and Anesthesia
- 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
- Laboratory Animal Nutrition
- Medical Records

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 I: Basic
- Dose Calculations II: Advanced
- Fractions, Percentages, & Decimals

Common Health Conditions of Mice

- Mice: 1 - Physical Exam
- Mice: 2 - Nonspecific Clinical Conditions
- Mice: 3 - Gastrointestinal Conditions
- Mice: 4 - Integumentary Conditions
- Mice: 5 - Musculoskeletal and Neurological Conditions
- Mice: 6 - Ophthalmic Conditions
- Mice: 7 - Reproductive and Urinary Conditions
- Mice: 8 - Respiratory Conditions
- Mice: 9 - Other Clinical Conditions
- Mice: 10 - Emergency Conditions

Compliance & IACUC Training

- Animal Protocols: Strategies for Effective Review
- 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 Research Support Certificate

- Introduction to the Program

Management & Training

- Active Listening
- 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 (4th 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
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
Laboratory Animal Allergy
Working Safely in the Vivarium During a Pandemic

Scientific Reproducibility

Effect of Macroenvironmental 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 Opossums
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 Zebrafish
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

HUMAN RESEARCH PROTECTIONS LIBRARY

Human Research Protection Training

ANIMAL BIOSAFETY TRAINING PROGRAM LIBRARY

AALAS Animal Biosafety Training Program Introduction
Animal Biosafety Risk Assessment & Management
Animal Facility Designs for Biocontainment
Biocontainment Equipment
Biosecurity in Animal Biocontainment Facilities
Concepts & Practices of Animal Biosafety: ABSL-2 & 3

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

RESEARCH ETHICS LIBRARY

Avoiding Financial Conflict of Interest in Federal Research
Ethical Case 1: Mouse in a Parasitology Experiment
Ethical Case 2: Rat with Partial Paralysis
Ethical Decision-Making in Animal Research
Responsible Conduct of Research Introduction
Responsible Conduct of Research Part 1: Shared Values
Responsible Conduct of Research Part 2: Planning Research
Responsible Conduct of Research Part 3: Conducting Research
Responsible Conduct of Research Part 4: Reporting and Reviewing Research

TRANSGENICS TRAINING PROGRAM LIBRARY

An Introduction to the AALAS Transgenics Training Program
Colony Management I: Breeding and Recordkeeping
Colony Management II: Daily Workflow
Colony Management III: Plans and Strategies
Genetics: The Basics
Genetics: Transgenic Mice
Nomenclature: Mice
Nomenclature: Rats
Transgenic and Gene-Targeted Technology

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.

FEATURES FOR USERS

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

PRICING FOR 1-YEAR SUBSCRIPTION

Note: Individual AALAS members receive a discount on single-user subscription fees. AALAS Institutional Members, Commercial Members, Branches, & Global Partners receive a discount on group seat packages.

***Additional Services** (available only to groups of institutions & companies with a paid 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

	Seats	Members	Nonmembers
Individual	1	\$110	\$190
Group Enrollment	8	\$700	\$1,100
	16	\$1,000	\$1,400
	31	\$1,100	\$1,600
	51	\$1,300	\$1,900
	76	\$1,700	\$2,400
	150	\$2,000	\$2,700
	175	\$2,200	\$3,100
Large Group Enrollment	2000	\$3,000	\$4,400
	5000	\$4,000	\$5,400

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