###-lat-training-(2021)-

1. Animal Research, Funding, and Program Oversight
2. Policies, Guidelines & Regulations in Animal Research
3. Ethics in Animal Research
4. Administrative Responsibilities
   - Unit 1 Review Exam (LAT 1–4)
5. Laboratory Animal Facility Design & Environmental Management
   - Unit 2 Review Exam (LAT 5–6)
6. The Aquatic Environment
   - Unit 2 Review Exam (LAT 5–6)
7. Anatomy & Physiology
8. Genetics & Breeding Colony Management
9. Calculations & Conversions
   - Unit 3 Review Exam (LAT 7–9)
10. Devices & Equipment for Common Technical Procedures
11. Performing Common Technical Procedures
12. Research Methodology
13. Surgical Instruments & Materials
14. Aseptic Technique, Surgical Support & Anesthesia
   - Unit 4 Review Exam (LAT 10–14)
15. Diseases & Health Conditions
16. Emergency Situations
   - Unit 5 Review Exam (LAT 15–16)
   - Final Review Exam (LAT 1–16)
   - LAT 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-Procedural 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
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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
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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

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

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Human Research Protection Training

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Biocontainment Equipment
Biosecurity in Animal Biocontainment Facilities

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Biotainment 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

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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
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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

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