

2025 AALAS National Meeting Recordings



Panel Discussion

Breaking Barriers, Leading the Future: Spanish-Language Lab Animal Symposium (Rompiendo Barreras, Liderando el Futuro: Simposio en Español sobre Animales de Laboratorio)

Donna Jarrell, DVM, DACLAM, Speculo Business & Clinical Services, LLC

Gricelda Vasquez, Children's Hospital Los Angeles

Javier Guillén, DVM, AAALAC International

Jose Espinal, PMI LabDiet

Leslie Diaz, DVM, MPH, DACLAM, The Rockefeller University

Lorena Garcia Menendez, DVM, MS, Amgen

Danio Zoom Live: In 3-D

Amber Chiodini, BS, Northwestern University

Christine Archer, BS, University of Colorado

Jared Rouchard, Howard Hughes Medical Institute Janelia Research Campus

Marcus Crim, DVM, MBA, MS, DACLAM, IDEXX Bioanalytics

Stephen Frederickson, NIH

Ewe-nique Sheep Surgical Models: Considerations, Strategies, and Lessons Learned

Brooke Pallas, DVM, University of Michigan

Carolyn Doerning, DVM, DACLAM, Cincinnati Children's Hospital Medical Center

Felicia Duke Boynton, DVM, DACLAM, Mayo Clinic

Mary Walker, DVM, MS, DACLAM, Nationwide Children's Hospital

Misha Dunbar, DVM, DACLAM, UT Southwestern Medical Center

Exploring the Crucial Relationship Between the Institutional Official, IACUC and Attending Veterinarian

Kathryn Cavanaugh, Texas A&M University System

Michael Hart, DVM, MS, University of Kentucky

Sally Thompson-Iritani, DVM, PhD, University of Washington

Stacy Pritt, DVM, MS, MBA, Texas A&M University System

From Data to Decisions: Using Metrics to Drive Operational Excellence

Lindsay Andrews, InvivoSights

Mary Spencer, BS in Animal Science, Brigham and Women's Hospital

Penny Devlin, Penn State Milton S Hershey Medical Center

Renee Thompson, B.S., Brigham and Women's Hospital

Terri Armenta, City of Hope

Hiring for Culture: Redefining Retention in Laboratory Animal Care Operations

Jessica Hunt, Bristol Myers Squibb

Krystal Garrow, MD Anderson Cancer Center
Mary Spencer, BS in Animal Science, Brigham and Women's Hospital
Renee Thompson, B.S., Brigham and Women's Hospital
Tanise Jackson, DVM, DACLAM, CPIA, Florida A & M University

Imagining the Future of Cage Wash Operations

Bruce Kennedy, UC Santa Cruz
Chetna Patel, BSc. Pharmacology, University of Texas MD Anderson Cancer Center
Jeetendra Eswaraka, BVs, PhD, DACLAM, ECFVG, Rutgers University
Matthew Lerche, UC San Diego
Nirah Shomer, DVM PhD DACLAM, Consultant

Keeping it in the FAMily: Facility and Animal Management Quiz Bowl

Dana Weir-Guffey, BS, CMAR, LATg, University of Missouri
Erin O'Connor, DVM, University of Missouri
Samantha Gerb, DVM, University of Missouri
Sarah Schlink, DVM, DACLAM, University of Missouri
Scott Korte, DVM, DACLAM, University of Missouri

Pathology Quiz Bowl

Jennifer Brazzell, DVM, MVetSc, MRCVS, DACVP (Clinical and Anatomic), IDEXX BioAnalytics
Marcia Hart, MS, DVM, PhD, DACLAM, IDEXX BioAnalytics
Bettina Gentry, University of Missouri
Robert Livingston, DVM, PhD, IDEXX BioAnalytics

The Future is Now - Developing Your Institutional Culture of Care

Elizabeth Nunamaker, PhD, DVM, Charles River
Joseph Garner, Stanford University
Kate Storves, DVM, DACLAM, Charles River
Paula Clifford, MLA, RLATG, CVT, Americans For Medical Progress
Sally Thompson-Iritani, DVM, PhD, University of Washington

The IDEA Persists: Discussing the Impact of Challenges to Diversity, Equity, and Inclusion (DEI) and Developing Strategies for Sustaining Inclusive Practices in the Laboratory Animal Science Field

Chandra Williams, DVM, Pfizer
Emily Weston, MS, Becton Dickinson (BD)
James Macy, DVM, Yale University
Jessica Hunt, Bristol Myers Squibb
Jori Leszczynski, DVM, University of Colorado
Rebecca Johnson, DVM, MS, PhD, DACVAA, University of Wisconsin

Unlocking the Full Potential of AI in the Laboratory Animal Industry: Beyond Automation to Revolutionize Administration

Danielle Covington, DVM, Vivarium Operational Excellence Network
Kiirsa Pokryfke, University of Michigan
Krystal Garrow, MD Anderson Cancer Center
Lindsay Andrews, InvivoSights
Mary Spencer, BS in Animal Science, Brigham and Women's Hospital

When Pigs (or Mice or Rats) Fly: Breaking Down the IATA Live Animal Regulations for Air Transport of Research Animals

Eric Syversen, BS, Animal Science, Validated Delivery Solutions, LLC
Joseph Wekselblatt, SafeHaven Lab Cages

Nelva Bryant, DVM, MPH, Delta Air Lines
Sara Hashway, DVM, DACLAM, University of Colorado Boulder

Platform Session

Animal Welfare, Training & the 3Rs I

PS21 Expanded Flow Cytometry Panels Improve Reproducibility for Humanized Immune System Mouse Models

Jessica Ramadhin, Taconic Biosciences, Inc.

PS22 Addressing Regulatory Burden: Current Resources and Best-Practices

Thomas Todd, DVM, University of Houston

PS23 Ultrasound Guided Injection for Murine Metastasis Models: Portal Vein and Left Ventricle

Nicole Henning, MIT - Koch Institute

PS24 Patient Discovery Days: Connecting Animal Research and Patients

Nuno Goncalves, European Animal Research Association

PS25 Rotating Into Research: Designing Clinical Laboratory Animal Medicine Electives to Inspire Veterinary Students and Strengthen the Career Pipeline

Katy O'Connell, DVM, DACLAM, University of Arizona

PS26 Method Development for Non-Invasive In-Vivo Imaging to Assess Transplacental Antibody Drug Transfer in Mice

Vanessa Afere, Bachelors of Science, Amgen

PS27 Evaluation of the Impact of Habituation on NHPs in Quarantine

Keely McGrew, Masters of Arts, Charles River

PS28 Gills Just Wanna Have Fun: 3D Printed Enrichment for Zebrafish (*Danio rerio*)

Matthew Boulanger, VMD, University of Michigan

PS29 What's the Risk? Hazardous Agent Risk Management in an Animal Care and Use Program

Amanda Darbyshire, DVM, Purdue University

PS30 Optimizing Mouse Colony Management: A Framework for Quality and Reproducibility in Biomedical Research

James Bussell, The University of Oxford

Animal Welfare, Training & the 3Rs II

PS61 Development and Implementation of Hyper-Realistic Simulation Models to Promote the 3Rs in Rodent Training Programs

Diego Celdran-Bonafonte, DVM PhD MBA Dipl.ECLAM, The University of Arizona

PS62 The Effects of Transport Stress on Indicators of Health and Welfare in Laboratory Mice

Anna Ratuski, PhD, Stanford University

PS63 Pre-Veterinary and Animal Science Students: An Underutilized Target Population for Laboratory Animal Education and Outreach

Michael McKinney, Vanderbilt University Medical Center

PS64 Assessing the Impact of Hands-On Training on Laboratory Mouse Welfare Using Home Cage Monitoring.

Mariel Nigro, Ed.M., LVT, RLATG, Rutgers, State University of NJ

PS65 Enhancing Learning and Information Accessibility at a Large Animal Program Through QR Code Based Interactive PDFs (There's an App for That!)

Shari Hunt, B.S., M.Ed., UT Southwestern Medical Center

PS66 Reducing Animal Usage Through Improved Transgenic Founder Selection and Characterization by Leveraging Long-Read Whole Genome Sequencing

Andrea Foley, Taconic Biosciences, Inc.

PS67 Development of an Ethogram and Time Budget for Behavioral Assessment in Laboratory-Housed Jamaican Fruit Bats (*Artibeus jamaicensis*)

Charlie Payne, PSM, Colorado State University

PS68 Institutional Progress in Improving Transparency on the Use of Animals in Science in Europe

Nuno Goncalves, EARA

PS69 Piggy Parties: An Easily Implemented Positive Enrichment Idea for Minipigs and Their Humans

Danielle Babbitt, Emory University

PS70 Evaluating a Minimally Invasive Cerebrospinal Fluid Collection Method in Mice Across Serial Collections and in Comparison to Traditional Methodologies

Alyssa Valentyn, Bachelor of Science, Eisai, Inc.

Clinical

PS101 Hydrolyzed Collagen as an Adjunct Treatment for Wound Healing in Mice with Ulcerative Dermatitis.

Annaleah Phillips, B.S., M.S, University of Georgia

PS102 Intracranial Draining Tract Lesion in a Rhesus Macaque

Max Fernandez, DVM, Massachusetts Institute of Technology

PS103 Induction of Chronic Pulmonary Hypertension in a Porcine Model

Ellorie Liljequist, Veterinary Technology, University of Minnesota

PS104 Clinical Management and Zoonotic Considerations of a Human Metapneumovirus Outbreak in Rhesus Macaques (*Macaca mulatta*)

Kathleen Heng, DVM, PhD, Stanford University

PS105 Using a Cloud-Based, Customizable, and Cost-Efficient Digital Survey Platform to Report, Track, and Analyze Rodent Clinical Cases

Katy O'Connell, DVM, DACLAM, University of Arizona

PS106 Behind the Swab: Discerning True Methicillin-Resistant *Staphylococcus aureus* (MRSA) in Vivarium Pigs

Mahesh Jonnalagadda, DVM, MS, PhD, DACLAM, CPIA, Virginia Commonwealth University

PS107 Pygomelia and an Ectopic Foot Pad in a Laboratory Mouse

Rebecca Schmiele, DVM, Memorial Sloan Kettering Cancer Center

PS108 Fibrous Osteodystrophy in a Common Marmoset with Chronic Hypocalcemia and Progressive Weight Loss

Mina Yamini, DVM, MIT

PS109 Identification and Treatment of a Storage Mite Infestation in Rats (*Rattus norvegicus*)

Julia Lazo, Emory University

PS110 Detection and Remediation of *Pneumocystis murina* Infections by Environmental Health Monitoring

Lauren Habenicht, DVM, MS, DACLAM, University of Colorado Denver Anschutz

Futurism

PS71 Beyond Documentation: How AI-Powered Observations Improve Animal Care in the Vivarium

Alyssa Valentyn, Bachelor of Science, Eisai

PS72 The Science of Interior Finishes in Containment Laboratory Facilities

Tom Walus, Arcoplast

PS73 Exploring the Use of Mixed Reality to Benefit Communication, Reduce Biosecurity Risk, and Improve Animal Welfare

Jillian Celatka, NYU-Regeneron Postdoctoral Training Program in Laboratory Animal Medicine

PS75 From Idea to Impact: Creating a Tech Week Planning Committee and Sparking Fun with a Little Help from AI

Bridget Pickle, MLAS, Inotiv, RTB AALAS

PS76 Board Games Against Biosecurity Breaks: Exploring the Role of Game Play on Technician Engagement with Biosecurity

Samantha Shaneybrook, The Jackson Laboratory

PS77 AI Meets Animal Science: Journey to Hands-Free Data Capture and Automation

Hillary Wilcox, AstraZeneca

Husbandry/Management I

PS2 The World's Largest Rodent and Even Larger Challenges: Management of Capybara (*Hydrochoerus hydrochaeris*)

Husbandry and Anesthesia for Neuroimaging

Katherine Gates, DVM, PhD, Stanford

PS3 Thanksgiving Day Fire: Navigating the Disaster Plan on a Holiday

Michael Bradley, DVM, Wayne State University

PS4 Raising SPF: Evaluating the Success of Nursery-Rearing as a National Baboon Research Resource

Luke Segura, BS, University of Texas MDAnderson

PS5 Cost-Benefit Analysis Preventing Emigration of Vermin Mice into a 19,000 cage SPF Mouse Vivarium

Alan Ley, University of Rochester

PS6 Steps to Accessing New Heights: Implementing Multi-Level Housing for Laboratory Rats

Kristen McGill, Amgen

PS7 Extended Anesthesia Monitoring and Maintenance for Marmoset Imaging: Challenges and Solutions

Amanda Lee, Bachelor's of Science, National Institute of Neurological Disorders and Stroke, NIH

PS8 Sanitized or Sacrificed?: Hidden Effects of Disinfectants on Cage Tops

Mahesh Jonnalagadda, DVM, MS, PhD, DACLAM, CPIA, Virginia Commonwealth University

PS9 Vivarium Water Savings Through Automated Water Flushing Programing: A Case Study for Sustainable Practices

Kelly Snead, Amgen

Husbandry/Management II

PS42 Reflections of the Flock: Enhancing Sheep Welfare and Husbandry with Mirrors

Stephanie Tomeczko, University of Illinois Chicago

PS43 Implementation of Digital Ventilated Caging Systems Within a High Containment Biosafety Vivarium

Jessica Felgenhauer, MS, DVM, DACLAM, University of Chicago

PS44 Surgical Castration of Jamaican Fruit Bats

Garrett Ryerson, Montana State University

PS46 Implementing a Tailored Ergonomic Program to Support Wellness and Injury Prevention in Animal Care Staff

Tina Tenbus, BS Animal Bioscience, MLAS, Amgen

PS47 More is Missed by Not Looking Than Not Knowing: An Institutional Effort to Investigate Mouse Cage Flooding

Maggie Schmicker, University of Notre Dame

PS48 The True Cost of Animals

Ravinder Rai, MBA, UCLA

PS49 Doe Doula Dos and Don'ts: Managing a Genetically Engineered New Zealand White Rabbit Breeding Colony

Jennifer Crosby, BS, University of Michigan

PS50 Digital Room Log App: Replacing Paper Logs in Vivarium Oversight

Martin Gallardo, Rockefeller University

PS51 From Induction to Infarction: Team Driven Success in a High-Throughput Neonatal Piglet Surgical Model

Katherine Gates, DVM, PhD, Stanford

Husbandry/Management III

PS79 Eradication of Murine Pathogens by Cross-Fostering and Iodine Dip

James Fox, PhD, Montana State University

PS80 Employee Engagement Initiatives in Relation to Technician Retention and Workplace Satisfaction

Adam Philibeck, Environmental Science, Labcorp Drug Development

PS81 Integration of Routine Mock Regulatory Inspections for Increased Staff Engagement and Compliance

Whitney Roberts, BS, Massachusetts General Hospital

PS82 Reevaluating Enrichment for Rodents: Examining the Physiological Effects of Gnawing Enrichment on Body Weight Changes and Food Consumption in Mice

Andrew Stevens, WMU Homer Stryker MD School of Medicine

PS83 Corncob Bedding Negatively Impacts Breeding Performance and Sexual Development in Mice

Victor Lujan, MLAS, Stanford University

PS84 Feeling Better About Failure: A Case Study in Learning from Animal Ordering Woes

James Finlay, DVM, PhD, DACLAM, City of Hope

PS85 Leading Through Uncertainty

Danielle Adney, DVM, PhD, The Jackson Laboratory

PS86 Starting from Scratch: Building a New Vivarium from a Managers Perspective

Autumn Ruiz, B.S., biology, Enanta Pharmaceuticals

PS87 Body Length as an Objective Marker of Time to Wean in Laboratory Mice

Rachel Wilson, Vanderbilt University Medical Center

PS88 Comparison of Three Environmental Murine Health Surveillance Methods to Each Other and to Soiled Bedding Sentinels
Elizabeth Carbone, DVM, MS, DACLAM, Genentech, Inc.

PS89 Animal Per Diem Rate Calculations: Conducting a Time and Motion Study
Autumn Tennis, Huron Consulting Group

Laboratory Investigations I

PS52 LED Light Influence on Humans and Research Animals: A Consideration in Vivarium Planning and Design
Robert Dauchy, MS, CMAR, RLATG, Tulane University

PS53 Evaluation of Direct Colony Sampling Versus Sentinel-Free Soiled Bedding Testing for Rodent Quarantine Programs
Blair Holliday, DVM candidate, Louisiana State University

PS54 Daytime LED Light-Induced Amplification of the Nighttime Circadian Melatonin Signal Inhibits Human Breast Cancer in Nude Mice
Robert Dauchy, MS, CMAR, RLATG, Tulane University

PS55 Susceptibility of Immunodeficient Mouse Strains to Clostridium cuniculi-associated Infectious Diarrhea
Claude Nagamine, DVM, PhD, Stanford University School of Medicine

PS56 Housing Matters: How Bedding Type and Cage Change Frequency Shape Pain and Anxiety Responses in Mice
Katy O'Connell, University of Arizona

PS58 Effects of Dirty Bedding Exposure and Enrichment Intervention on Food Grinding in CD-1 Mice
Heather Wilson, DVM, MS, University of Michigan

PS59 Immunological Comparison Between Feral and SPF Mice
Deepti Chadavada, NIAID/NIH

PS60 Environmental Enrichment Preferences in Singly Housed African Turquoise Killifish (Nothobranchius furzeri)
Sedu Samura, UCSF

Laboratory Investigations II

PS111 Efficacy of Long-Acting Transdermal Buprenorphine in C57BL/6 Mice
Katie Emmer, DVM, MS, DACLAM, Ohio State University

PS112 Changes in Electroencephalography Signals in Mice Exposed to Low Concentrations of Carbon Dioxide.
Michael Teng, BSc, University of Calgary

PS114 The Impact of Paper Strip Nest Material Transfer on Nest Quality and Agonistic Interactions in Group-Housed C57BL/6 Mice
Isabella Ku, BSc, University of California, Davis

PS115 Using Data-Driven Refinements to Optimize Rabbit Gavage Technique
Elizabeth Nunemaker, PhD, DVM, Charles River Laboratories

PS116 Pain Responses are Correlated to Structural Joint Damage in Mice of Both Sexes After Chemical, Surgical, or Mechanical Arthritis Induction
Sydney Womack, DVM/PhD Candidate, Cornell University

PS117 Dynamics of Anti-Measles Antibody Titers Following Booster Vaccination in Cynomolgus Macaques
Sean Maguire, VMD. MS, GSK

PS118 Exploring Stress and Welfare in African Green Monkeys (Chlorocebus sabaeus): Integrating Novel Biomarkers and Behavioral Patterns Through Multivariate and Machine Learning Approaches
Brittany Roman, MSc, Ross University School of Veterinary Medicine

PS119 Comparative Pharmacokinetics Study of Four Commercial Formulations of Buprenorphine in Yorkshire swine (Sus scrofa domestica)
Suresh Ganesan, CBSET

Resident - Laboratory Investigations I

PS90 Acute Comparative Analysis of Anesthetic Methods in Neonatal Mice Using Ultrasonic Vocalizations and Biochemical Markers

Susana Diaz-Anderson, University of North Carolina-Chapel Hill

PS91 Development of Volume Guidelines for Rat Intratracheal Instillation

Hannah Prutchi, University of Colorado Denver Anschutz Medical Campus

PS92 Acute Treatment with Tirzepatide Reduces Cue-, Drug-, and Stress-Induced Fentanyl Seeking in Rats

Caleb Whitfield, DVM, MPH, Penn State College of Medicine

PS93 Pharmacokinetics of a Transdermal Buprenorphine Formulation in the Cynomolgus Macaque

Emma Santoro, DVM, University of Illinois Chicago

PS94 Assessing Local Anesthesia in Octopus bimaculoides to Provide Analgesia during a Regenerative Surgical Procedure

Joanna Copio, DVM, University of Chicago, Illinois

PS95 Ivermectin Induction of Tamoxifen-Inducible Cre Recombinase Activity in Rodents

Hannah Weaver, University of Missouri

PS96 Comparison of Nonterminal Large Volume and Serial Blood Collection Techniques in Crl:CD(SD) Sprague-Dawley Rats

Kassandra Kayser, DVM, NYU-Regeneron, NYU Langone Health

PS97 Pharmacokinetics and Safety of Subcutaneous, Pharmaceutical-Grade, Extended-Release Meloxicam in Zebra Finches (*Taeniopygia guttata*)

Sarah Gurnon, DVM, MIT

PS99 Pharmacokinetic Evaluation of Topical Long-Acting Buprenorphine in New Zealand White Rabbits (*Oryctolagus cuniculus*)

Stephanie Thi, DVM, University of Michigan

Resident - Laboratory Investigations II

PS120 Variability in Intracage Light Intensity and Impacts on Rodent Behavior: Does Cage Location Matter?

Elen Hernandez, DVM, B.S, The Ohio State University

PS122 Sex-Based Differences in Ultrasonic Vocalizations of Southern Giant Pouched Rats (*Cricetomys ansorgei*) to Rewarding, Aversive, and Olfactory Stimuli

Meryem Outouil, DVM, Cornell University

PS125 Transient Lymphadenopathy in Pigs: A Model for Breast Cancer Research

Mackenzie Keown, DVM, Mayo Clinic

PS126 Overcoming Early-Life Lethal Phenotypes to Develop Two Distinct Mouse Models for Baker-Gordon Syndrome Using CRISPR-Cas9 Gene Editing Approaches

Samantha Norris, University of Missouri

PS127 Dissecting the Impact of Host Genetics and the Microbiome on *Corynebacterium bovis* Infection in Outbred Athymic Nude Mice

Kate Fodor, DVM, DACVPM, Memorial Sloan Kettering Cancer Center

PS128 Advancing Rodent Colony Surveillance: Benchmarking Long-Read Metagenomics for Taxonomic and Genomic Resolution

Jianing Xu, VMD, University of Washington

PS129 Evaluating the Impact of Prophylactic Administration of Ivermectin on the Fecal Microbiome of Healthy C57BL6/J Mice

Catherine Pope, Emory University

PS130 Quantitative Biomarkers for Detecting and Managing Cranial Chamber Infections in Nonhuman Primates

Seth Lieberman, DVM., PhD, Yale School of Medicine

Resident - Welfare, Clinical, Husbandry

PS11 Comparison of Daytime and Nighttime Social Behavior and Sleep Quality in Experimentally Naïve Male and Female Rhesus Macaques (*Macaca mulatta*)

Alexis Roach, DVM, Johns Hopkins University

PS13 Shaping Nesting: Secondary Nesting Material Promotes Complex Nest Building in Singly Housed Mice

Tamara Ford, DVM, MPH, University of Michigan

PS14 Zen and the Science of Sedation: Evaluating Zenalpha® in Drug Combinations

Ulane Stasula, California National Primate Research Center/UC Davis

PS15 Assessing the Safety Profile of a Multiepitope Fusion Antigen Shigella Vaccine in the Rhesus Macaque (*Macaca mulatta*): A Pilot Study

Ryan Navarro, DVM, MS, Johns Hopkins University School of Medicine

PS16 Evaluating Therapeutic Interventions to Counteract Buprenorphine-Related Pica and Mortality in Rats

Dahihm Kim, DVM, PhD, Cornell University

PS17 Scuticociliatosis Outbreak Causing Complete Colony Mortality in Captive Lined Seahorses (*Hippocampus erectus*)

Jessica Kwan, DVM, MS, University of California, Davis

PS18 Impact of Subtropical Storage Conditions on Nutrient Stability of Large Animal Laboratory Diets

Charlene Claudio, DVM, Texas A&M

PS19 Maintaining Core Body Temperature for Welfare of the Single Housed Mouse

Cody Swilley, DVM, PhD, MPH, Vanderbilt University Medical Center

PS20 An Evaluation of Organic Contamination in Rodent Water Bottles Over Time

Christine Rohlf, DVM, University of Minnesota

What's Your Diagnosis?

PS31 The Leaky Lagomorph

Kristen Aceves, DVM, MS, University of Utah

PS32 Delayed Onset Xenograft Growth in an Immunodeficient Mouse with Flaky Skin Lesions

Hailey Maresca-Fichter, DVM, University of Michigan

PS33 Tachypnea and Cyanosis in a Rabbit with Cholesterol Induced Atherosclerosis

Nicole Kizielewicz, DVM, Massachusetts General Hospital

PS34 A Mysterious Fin-omenon: Diagnosis and Management of a Zebrafish "Outbreak"

Bryanna Leazer, DVM, University of Chicago

PS35 Dani the Dehydrated (?) Dorset

Mary Walker, DVM, MS, DACLAM, Nationwide Children's Hospital, The Ohio State University

PS36 Intra-Abdominal Mass in a Three-Year-Old Cambodian-Origin *Macaca fascicularis*

Michele Wilkinson, Animal Blood Resources International

PS37 Release the Kraken: A Tale of Unseen Twists

Tamara Abato-Earwood, University of Oklahoma Health and Sciences Center

PS38 Inguinal Mass in a Lesser Egyptian Jerboa (*Jaculus jaculus*)

Jonathan Decker, University of Michigan

PS39 Rapidly Growing Subcutaneous Mass in an Aged Northern Tree Shrew (*Tupaia belangeri*)

Layne Freeman, DVM, MPH, University of Pennsylvania

PS40 All Swell: Chronic Coelomic Distension in an Aged *Xenopus tropicalis*

Jianing Xu, VMD, University of Washington

PS41 Coelomic Distention in an Aged Female Leopard Gecko (*Eublepharis macularius*)

Tamara Ford, University of Michigan

Seminar

Advances in 3Rs with CRISPR/Cas9 Genome-edited Animal Models

Improving the Detection and Characterization of Cryptic Founders Generated by CRISPR/Cas9

Zachary Freeman, DVM PhD, University of Michigan

In vivo Editing with CRISPR/Cas9 for Reduced Animal Usage in Novel Model Generation

Tristan Kempston, BS, Van Andel Institute

Refining the Management of Translational Phenotypes in Genome Edited Rabbit Models

Brooke Pallas, DVM, University of Michigan

Understanding the Impact of 3Rs on CRISPR-generated Animal Models

Hailey Maresca-Fichter, DVM, University of Michigan

Welcome and Introductions

Zachary Freeman, DVM PhD, University of Michigan

Benefits of Continuous Home Cage Monitoring (HCM) and AI driven Health Checks on Animal Welfare and Research Outcomes

AI-driven Mouse Behavior Analysis via 24/7 Home-cage Monitoring

Fatemeh Bahari, Novartis Inc

Benefits of Continuous Home Cage Monitoring (HCM) and AI-driven Health Checks on Animal Welfare and Research Outcomes

Jeetendra Eswaraka, BVs, PhD, DACLAM, ECFVG, Rutgers University

Implementation of HCM Across Multiple Pharmaceutical Sites for Monitoring Animal Welfare

Dinesh Hirenallur Shanthappa, DACLAM, Pfizer Inc

Patricia Kowal, MBA, MLAS, MS, LVT, RLATG, SRS, SMAR, CPIA, Pfizer Inc

Use of Locomotion Activity and AI to Determine Physiological Parameters and End Points in Rodent Research Models

Frank Jenkins, Ph.D., University of Pittsburgh

Welcome and Introductions

Jeetendra Eswaraka, BVs, PhD, DACLAM, ECFVG, Rutgers University

Beyond the Expected: Leveraging Contingency Plans for Unanticipated Challenges in Biomedical Research

Industry Perspective

Brian Ebert, Abbvie

Land Grant Perspective

Lon Kendall, DVM, PhD, Colorado State University

Medical Center Perspective

Jodi Scholz, DVM, Mayo Clinic

Private Institution Perspective

Jason Villano, DVM, DACLAM, Johns Hopkins University

Public University Perspective

Raimon Duran-Struuck, DVM/PhD, University of Washington

Welcome and Introductions

Sally Thompson-Iritani, DVM, PhD, University of Washington

Clostridium Within Our Vivaria: A Present Risk to Highly Immunodeficient Mouse Models

Clostridium: Balrog of the Intestinal Crypts

David Kurtz, DVM, PhD, National Institute of Environmental Health Sciences

Diagnostic Testing for Clostridial Species: Detection, Genetics and Prevalence

Kourtney Nickerson, PhD, Charles River

Enteric Disease Outbreak of Clostridioides cuniculi in Immunodeficient Mice

Amy Funk, DVM, St. Jude Children's Research Hospital

Strain-resolved Metagenomic Analysis Suggests C. cuniculi is the Etiologic Agent of Diarrhea in NSG-related Mice

Claude Nagamine, DVM, PhD, Stanford University School of Medicine

Welcome and Introductions

Kenneth Henderson, PhD, MS, Charles River

Current Techniques in Laboratory Animal Anesthesia and Analgesia: Balancing Science and Welfare

Anesthesia Recovery

Cholawat Pacharinsak, DVM, PhD, DACVAA, Stanford University

Minimizing Pain, Maximizing Data: Innovations in Anesthetic and Analgesic Techniques

Rebecca Johnson, DVM, MS, PhD, DACVAA, University of Wisconsin

Welcome & Introductions

Rebecca Johnson, DVM, MS, PhD, DACVAA, University of Wisconsin

Earth, Wind, and Fire - Navigating Disaster Response and Lessons Learned

Introduction and Overview of Disaster Planning

Dianne McClure, DVM PhD DACLAM, Western University

Navigating Challenges with Hurricanes and Tropical Storms

Tanise Jackson, DVM, DACLAM, CPIA, Florida A&M University
Planning for Earthquakes and Ice
Laura Campbell, University of Washington
Response to the Eaton Fire and Windstorm: Resilience and Lessons Learned
Karen Lencioni, DVM, CalTech
Welcome and Introductions
Stacey Meeker, DVM PhD DACLAM, The Ohio State University

Emerging Opportunities in Design and Implementation of Sustainable Vivarium Operations

Animal Facility Trends for Sustainability
John Hasenau, DVM, DACLAM, Lab Animal Consultants
Automating Cage Wash Operations: Efficiency, Sustainability, and Cost Savings
Chetna Patel, MBA, CMAR, RLATG, MD Anderson
Home Cage Monitoring and Downstream Sustainability Outcomes
Matthew Keller, MBA, CMAR, Rutgers University
It's All About the Design, so When Should I Start Working on This?
Jeffrey Zynda, LFA, LEED AP, BD + C, Perkins & Will
Modern Vivarium Mechanical and Plumbing Design for Operational Sustainability
Rhys Davis, PE, LEED AP, WSP
Welcome and Introductions
John Hasenau, DVM, DACLAM, Lab Animal Consultants

Empowering the Biomedical Research Community with Digital Measures: Collaborative Resources and Advances in Digital In Vivo Technologies

Accelerating Broad Adoption through the Digital In Vivo Alliance (DIVA)
Brian Berridge, DVM, PhD, DACVP, Digital In Vivo Alliance
Collaborative Ecosystems for Digital Measure Development
Vivek Kumar, PhD, The Jackson Laboratory
Considerations for Designing and Analyzing Digital Studies
Michael Saul, Ph.D., The Jackson Laboratory
Leveraging Digital Measures to Improve Animal Health and Welfare Assessment
Linda Waterman, The Jackson Laboratory
Welcome and Introductions
Brian Berridge, DVM, PhD, DACVP, Digital In Vivo Alliance

Environmental Health Monitoring: Evidence, Quarantine, Outbreaks, and Positive Findings

Addressing EMH PCR Positives with an Emphasis on SFSB
David Chu, Stanford University
An Overview of Environmental Health Monitoring
Megan LaFollette, MS, PhD, The 3Rs Collaborative
Pathogens in the Present: Using Prevalence Data, Risk Assessment, and EHM to Guide Program Development
Wai Hanson, DACLAM, DVM, PhD, Emory University
Troubleshooting Outbreaks Using All Your Tools
Caroline Winn, Vertex Pharmaceuticals Inc
Lorena Garcia Menendez, DVM, MS, Amgen
Using SFSB in Quarantine as a Replacement & Refinement
Bhupinder Singh, BVSc & AH, MVSc, DACLAM, Rutgers University
Welcome and Introductions
Megan LaFollette, MS, PhD, The 3Rs Collaborative

Focused on the Future: IACUC Oversight and Operations

Chairing with “Could, Would, Should, Maybes, and Whys” for the Betterment of the IACUC, Science and Animals

Sean Maguire, VMD, MS, GSK

Effective Communication and Diplomacy in PI Remediation and Protocol Review

Samantha Sullivan, MLS, Arizona State University

Introduction on Contemporary Topics for IACUCs

F Claire Hankenson, DVM, MS, DACLAM, University of Pennsylvania

Serving as Attending Veterinarian in an Uncertain Federal Landscape

Jori Leszczynski, DVM, DACLAM, University of Colorado Denver

The Sum of the Parts: Approaches to Assessing Cumulative Welfare Impact

Jennifer Iwamoto, DVM, CPIA, University of Washington

Welcome and Introductions

F Claire Hankenson, DVM, MS, DACLAM, University of Pennsylvania

Improving Research Efficiency, Cost Capture, and Professional Development within an Academic Large Animal Service

Expanded Services and Professional Development Through Improved Research Efficiency, Outcomes, and Dynamic Oversight

Alicia McLuckie, BVSc, PhD, DACLAM, Northwestern University

Emily Carter, Northwestern University

Archer Curry, Northwestern University

The Expansion of Veterinary Clinical Involvement in a Large Animal Academic Biomedical Research Program: Timeline and Strategies

Rebecca Ober, BA, DVM, MS, Northwestern University

Welcome & Introductions

Rebecca Ober, BA, DVM, MS, Northwestern University

Long Acting Analgesics Over the Decade

Experience in Working with Long-Acting Analgesics from Various Institutions

James Marx, DVM, PhD, DACLAM, University of Pennsylvania

Rebecca Johnson, DVM, MS, PhD, DACVAA, University of Wisconsin

Long-Acting Analgesics Technologies

Patrick Lester, B.S. Pharm, DVM, MS, DACLAM, University of Michigan

Research Findings Related to Long-Acting Analgesics

Lon Kendall, DVM, PhD, Colorado State University

Research Findings Relating to Long-Acting Analgesics

Cholawat Pacharinsak, DVM, PhD, DACVAA, Stanford University

Use of Long-Acting Analgesics in Immunodeficient and Other Rodents

Monika Huss, DVM, Stanford University

Welcome and Introductions

Patrick Sharp, DVM MRCVS MANZCVS DACLAM, Purdue University

Marmoset Housing Trends and Determinations

Marmoset Room Density and Breeding Outcomes

Saverio Capuano, DVM, University of Wisconsin

Marmoset Social Interactions Within and Between Groups, Visual Barriers and Effects

Corinna Ross, Ph.D., Texas Biomed Organization

Modification, Implementation, and Evaluation of a Behavioral Tool to Assess Marmoset Space Use, Activity, and Welfare Across Different Enclosure Designs

Michael Wallis, DVM, John Hopkins University

NHP Housing Consortium, History and Goals

John Hasenau, DVM, DACLAM, Lab Animal Consultants

Nutritional Impacts on Marmosets Related to Diets and Housing Enclosures

Claudia Igayara, Zoologico Municipal de Guarulhos

Joanna Malukiewicz, Ph.D., University of Hamburg

Optimizing Housing for High-Quality Longitudinal Data Collection and Marmoset Well-Being

Courtney Glavis-Bloom, Ph.D., Salk Institute For Biological Studies

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John Hasenau, DVM, DACLAM, Lab Animal Consultants

Navigating AAALAC International Accreditation in Nontraditional Research Programs

AAALAC International Accreditation for Programs with Wildlife and Field Studies

Jeff Wyatt, DVM, University of Rochester

AAALAC International Accreditation in Agricultural and Production Programs

Jacob Werner, AAALAC International

AAALAC International Accreditation in Barrier and Containment Spaces

Lesley Colby, DVM, MS, DACLAM, University of Washington

AAALAC International Accreditation in Military Animal Care and Use Programs

David Bentzel, VMD, MPH, DACLAM, DACVPM, Stanford University

AAALAC International and the Oversight of Client-owned Animals

Judy Hickman-Davis, DVM, PhD, DACLAM, The Ohio State

Welcome and Introductions

Debra Hickman, DACLAM, AAALAC International

Not the Usual Suspects: Emerging Infectious Contributors to Morbidity and Mortality in Immunodeficient Mice

Host and Microbial Interactions: Unconventional Hosts and Emerging Microbial Agents (Case Studies on *C. cuniculi* and *S. murisepticum*)

Harshan Pisharath, DVM PhD, St. Jude Children's Research Hospital

I Want to Cast the Biggest Net

Tony Secreto, Masters, University of Pennsylvania

Is There Anything Else to Worry About Beyond *C. bovis*

Rodolfo Ricart Arbona, DVM MLAS, Memorial Sloan Kettering & Weill Cornell Medicine

Using a Magnet to Find the Needle in the Haystack: Overcoming Detection Challenges for Opportunistic Bacteria as Evidenced by a Study Evaluating Agent Transmission and Diagnostics

Kourtney Nickerson, PhD, Charles River

Welcome and Introductions

Kenneth Henderson, PhD, MS, Charles River

Reflections on Post-Approval Monitoring (PAM): The History and Future of PAM

Lessons Learned from PAM Implementations

Stacy Pritt, DVM, MS, MBA, Texas A&M University System

Painting a Clear Picture: The Art of Communication During Post-Approval Monitoring

Ashlee Langford, DVM, Fred Hutchinson Cancer Center

The History of PAM and Current Strategies for Risk Assessment

Kathryn Cavanaugh, Texas A&M University System

Using PAM to Bridge Gaps: Supporting Compliance and Safety in a Complex Research Environment

Melanie Lucas, MS, University of Connecticut

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Kathryn Cavanaugh, Texas A&M University System

Reproducibility Challenges Using Aquatic Animal Models

Balancing the Scales: Best Reproducible Approaches for Water Chemistry and System Parameters

Hugh Hammer, Ph.D., University of Pittsburgh

Communicating the Differences in Background Genetics for Reproducibility

Marcus Crim, DVM, MBA, MS, DACLAM, IDEXX Bioanalytics
Considerations for Reproducible Feed Protocols
Stephen Frederickson, NIH
Impact of Background Disease on Reproducibility
Emma Liechty, DVM, Northwestern University
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Amber Chiodini, BS, Zebrafish Husbandry Association

Revising the 8th Edition of the Guide for the Care and Use of Laboratory Animals

Current Status of the Guide for the Care and Use of Laboratory Animals
Susan Rodriguez, BAHSCR
Novel Approaches to Implement Evolving Knowledge into Standards for Animal Care and Use Programs
Sally Thompson-Iritani, DVM, PhD, University of Washington
Performance Outcomes and Options for Animal Care and Use Programs Working with the 8th Edition of the Guide for the Care and Use of Laboratory Animals
Susan Harper, DVM, MA, BAHSCR
Sandy Dexter, AAALAC International
Welcome and Introductions
Debra Hickman, DACLAM, AAALAC International

Scrubbing the Scourge of *Burkholderia gladioli* in Immunodeficient Mice: Disease, Diagnosis and Eradication of an Emerging Pathogen

Comparison of Diagnostic Sample Sensitivities and Environmental Testing for Detection of *Burkholderia gladioli*-positive Colony Cages or Rodents
Sarah Hansen, DVM, DACLAM, IDEXX BioAnalytics
Diagnostic Approach to Determining the Underlying Cause of an Opportunistic Infection in Immunodeficient Rodents
Marcia Hart, MS, DVM, PhD, DACLAM, IDEXX BioAnalytics
Identification, Eradication and Re-Emergence of *Burkholderia gladioli* due to Biofilm Persistence
Alphina Ho, DVM, DACLAM, Houston Methodist Research Institute
Novel Presentation of *Burkholderia gladioli* in Immunodeficient Rodents
Andrea Osborne, DVM, DACLAM, University of Alabama at Birmingham
Welcome and Introductions
Sarah Hansen, MS, DVM, DACLAM, IDEXX BioAnalytics

So You're Getting an Aquatic Facility...

A Facility Manager's How-To for Facility Planning and Design
Christine Archer, BS, University of Colorado
Considerations for Different Aquatic Models
Jared Rouchard, MLAS, Howard Hughes Medical Inst
Important Elements to Facilitate Biosecurity in Aquatic Animal Facility Design
Marcus Crim, DVM, MBA, MS, DACLAM, IDEXX Bioanalytics
Strategies for Retrofitting an Aquatics Facility
Emma Liechty, DVM, Northwestern University
Welcome and Introductions
Christine Archer, BS, University of Colorado

Social Media: A Powerful Tool to Build Public Understanding and Trust in Animal Research

Creating Your Brand on Social Media to Make a Positive Impact on Public Perception About Animal Research
Naomi Charalambakis, Americans for Medical Progress
Examples of Social Media Campaigns That Have Resonated with the UK Public
Wendy Jarrett, Understanding Animal Research

How BRAD (Biomedical Research Awareness Day) and Other Outreach Initiatives Have Used Social Media to Engage in Public Discourse About Animal Research

Alexandra Smith, AbbVie Inc

Tips on Facilitating Meaningful Conversations on Social Media and Addressing Challenges

Cindy Buckmaster, PhD, Transnetyx

Welcome and Introductions

Paula Clifford, MLA, RLATG, CVT, Americans For Medical Progress

Why Social Media is Such a Powerful Tool to Connect with the Public

Paula Clifford, MLA, RLATG, CVT, Americans For Medical Progress

The Current Animal Research Oversight Environment

AAALAC Update

Gary Borkowski, DVM, MS, DACLAM, AAALAC

Discussion

B Taylor Bennett, DVM, PhD, DACLAM, DACAW, National Association for Biomedical Research

DOD Update

Shannon Marko, DVM, Animal Research Protection Programs, DOD

FDA Update

Dorothy Bailey, DVM, FDA

NABR Update

Matthew Bailey, National Association for Biomedical Research

OLAW Update

Neera Gopee, DVM, PhD, OLAW, NIH

USDA Update

Gwendalyn Maginnis, USDA

Welcome and Introductions

B Taylor Bennett, DVM, PhD, DACLAM, DACAW, National Association for Biomedical Research

Thinking Outside the Box: Novel Uses of Environmental Testing

A Practical Environmental Testing Method for Germ-free Rodent Colonies

Steven Davison, University of Louisville

Environmental Health Monitoring Strategies for Non-murine Species

Marcia Hart, MS, DVM, PhD, DACLAM, IDEXX BioAnalytics

Environmental Testing for Pathogen Detection in Rodent Quarantine

Yohannes Asfaw, DVM, Duke University Medical Center

Introduction to Environmental Animal Health Monitoring

Marcia Hart, MS, DVM, PhD, DACLAM, IDEXX BioAnalytics

Sentinel-free Soiled Bedding Environmental Testing in Rat Colonies

Brianne Ball, University of Iowa

Welcome and Introductions

Marcia Hart, MS, DVM, PhD, DACLAM, IDEXX BioAnalytics

Toolboxes to Optimize Rodent Model Translation and Replicability in the 21st Century

Challenges in Rodent Model Replicability and Translatability

Craig Franklin, DVM, PhD, University of Missouri

Genetic Variability – What's Happening in My Mouse's Background and What Can I Do About It?

Jim Amos-Landgraf, PhD, University of Missouri

Health Monitoring in the 21st Century – What to Exclude or Not Exclude?

Chris Manuel, DVM, PhD, University of Colorado-Denver

Microbiome Variability and Dirty Mice – Monitoring and Biosecurity are Not as Difficult as You Think

Aaron Ericsson, DVM, PhD, University of Missouri

Welcome and Introductions
Craig Franklin, DVM, PhD, University of Missouri
What Will All of This Cost? – Fitting it into Ever Tightening Budgets
Samira Lawton, PhD, Transnetyx

Special Topic Lectures

Celebrating 60 Years: What's New with AAALAC International?

Debra Hickman, DACLAM, AAALAC International

Charles C Hunter Lecture: Challenges of Studying Large Sharks and Rays in the Field

Christopher Lowe, California State University, Long Beach

Charles River Ethics and Animal Welfare Lecture: From Animal Testing to Regulatory Approval: How Systematic Reviews Can Inform Animal Welfare in Drug Development

Benjamin Victor Ineichen, MD PhD, University of Zurich

Findings from FBR's Quantitative and Qualitative Research on Public Attitudes Toward Animal Research

Matthew Bailey, Foundation for Biomedical Research

Help Your Pathologist Help You! Keys to Aquatic Animal Pathology Success

Jennifer Brazzell, DVM, MVetSc, MRCVS, DACVP (Clinical and Anatomic), IDEXX BioAnalytics

Leveraging Digital Technologies to Transform In Vivo Science

Vivek Kumar, PhD, The Jackson Laboratory

Nathan E Brewer Lecture: A 40-Year Journey in Laboratory Animal Science: Sharing Some Things I Have Learned

Bob Dysko, University of Michigan

Navigating Unexpected Diagnostic Test Results: Working Through an Unwelcome Surprise

Marcia Hart, MS, DVM, PhD, DACLAM, IDEXX BioAnalytics

Sabotaging Science: How Animal Rights Extremism Threatens Life-Saving Research

John Sancenito, Information Network Associates, Inc.

Salary Trends for Veterinarians in Lab Animal Medicine- AVMA-ASLAP-ACLAM 2025 Survey Results

Keely Szilagyi, DVM, MPH, DACLAM, Indiana University School of Medicine

Understanding the CBC of Nonhuman Primates

Flavio Herberg de Alonso, DVM, PhD, DACVP (clinical), Stanford University

Wallace P Rowe Lecture: A Veterinarian Walks into a Research Lab: How a Veterinarian's Perspective Can Totally Mess Up Science (In a Good Way)

Kelly Metcalf Pate, DVM, PhD, Massachusetts Institute of Technology (MIT)

What's New at the AVMA: Updated Policies, Humane Endings, Roundtables, Legislative Activity, and an Enhanced Clinical Trials Registry

Michael Bailey, DVM, AVMA

Working Like a Dog - Research, Welfare, and Canine Careers

Technical Trade Presentation

Technical Trade Presentation Track I: Digital Innovations nad Automation in Laboratory Animal Science

AI-Enabled Home Cage Video Monitoring for the New Era of Research: Streamlined Operations and Better Veterinary Care

Sarah Rovezzi, Allentown

AI-Powered Lab and Vivarium Workflows: Enhancing Efficiency, Data Integrity, and Study Outcomes with LabVoice

Frederic Bost, LabVoice

Bad Data Blues? Strategies to Fine-Tune Your Preclinical Data

Jennifer Brazzell, DVM, MVetSc, MRCVS, DACVP (Clinical and Anatomic), IDEXX BioAnalytics

Beyond Data Silos: the Next Generation of Lab Animal Research Technology

Kelly Rodriques, SoftMouse.NET

Continuous Monitoring of Health Status in Mice Using JAX Envision

Linda Waterman, The Jackson Laboratory

Enhancing Animal Welfare and Streamlining Procedures: The Advantages of Using Cannulock Swine Sampling Buttons

Brad Gien, BSc, SAI Infusion Technologies

How to Choose the Optimal Infusion Pump for Your Study

Samantha Bazzell, ALZET LLC

Leveraging Data Analytics for Optimized Animal Facility Management in Research Organizations

Chandra Devireddy, Ph.D., Key Solutions, Inc.

Optimizing Blood Pressure Data Quality in Rodent Studies: Best Practices with the CODA System

Kimberly Matheny, LVT, Kent Scientific Corporation

Preclinical Optical Imaging: Enhancing Research Efficiency While Reducing Animal Use

Lindsay Andrews, Spectral Instruments Imaging

Technical Trade Presentation Track II: Optimizing Facility Operations, Infrastructure, and Equipment

Dry Heat Sterilization in Vivariums – A Sustainable Alternative for Sterilization in the Lab Animal Facility

Robert Davis, BA, Process Control Solutions

Dual-Purpose Decontamination: Transforming Your Bulk Sterilizer into a No-Heat H2O2 Vapor Decontamination Chamber

Rich Apolinar, CURIS System

Game-Changing Decon: Exploring the Next Generation of Decontamination Enclosures in the Vivarium

Michael Matthews, SteraMist Disinfection

NHP's Transiting the World from Breeding to Study Sites

Mathew Sanderson, Brain & Software International

Prolonging Research Equipment Lifespan: Material Compatibility Considerations for Disinfection Protocols

Nick Hidell, Quip Laboratories, Inc

Small Animal Surgery - It's a Gas!

Morgan Perkins, A.S., ILAM, RLATg, Tecniplast USA

The Advantages of Onsite Surgery Over Shipping Animals for Surgical Procedures

Brad Gien, BSc, Preclinical Research Associates

The History and Magic of Steam

Jeremy McNeal, Beta Star Life Science Equipment

Your Data Is Only as Clean as Your Bedding

Joel Shepherd, Shepherd