



| Date | Time | Track | Presentation Title | Speaker |
|-------|---------------------------|---|--|---|
| 7-Feb | 06:00 - 07:00 AM | Refinement | Social Housing of Laboratory Rabbits | Sarah Thurston, BS, LAT Social Housing Coordinator, University of Michigan |
| 7-Feb | 06:00 - 07:00 AM | Modernization of Animal Studies | Welfare First | Tim McGuire Life Sciences Director, Agenda Life Sciences |
| 7-Feb | 07:30 - 08:30 AM | Refinement | Keynote Presentation: Male management - Recent Literature on How to Reduce Aggression in Male Mice | Brianna Gaskill, PhD Associate Professor of Animal Welfare, Animal Sciences, Purdue University, College of Agriculture |
| 7-Feb | 09:00 - 10:00 AM | Refinement | Animal Models for Tuberculosis Research | Yong Cheng, PhD Research Assistant Professor, Department of Biological Sciences, University of Notre Dame |
| 7-Feb | 09:00 - 10:00 AM | Modernization of Animal Studies | Interpretation of Hematology Veterinary Scattergrams in Normal and Pathologic Conditions | Kay A. Criswell, PhD, DABT, SBB, MT (ASCP) Founder and Owner; Independent Consultant, Westbrook Biomarker and Pharma Consulting, LLC |
| 7-Feb | 10:30 - 11:30 AM | Refinement | Evaluation of Analgesia Efficacy in Postoperative Mice Using Novel Cage-Side Measures | Jennifer Lofgren, DVM, MS, DACLAM Associate Attending Veterinarian for Performance Standards and Enrichment, University of Michigan Medical School |
| 7-Feb | 12:00 - 01:00 PM | Balancing Risk and Opportunities of Outsourcing Animal Research | Compassion Fatigue: Education and Engagement in Animal Research | Marian Esvelt, DVM Veterinary Resident, University of Michigan |

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| 7-Feb | 12:00 - 01:00 PM | Refinement | Refinement of a Model of Repeated Cerebrospinal Fluid Collection in Conscious Rats | Eva Maria Amen, DVM Clinical Veterinarian, Comparative Medicine, Basel, Roche Pharma Research and Early Development, Roche Innovation Center Basel |
| 7-Feb | 01:30 - 02:30 PM | Refinement | Assessment of the Aerodigestive System in Rodents | Megan Haney, DVM Laboratory Animal Resident/Postdoctoral Fellow, University of Missouri |
| 8-Feb | 06:00 - 07:00 AM | Refinement | Comparison of the Impact of Phlebotomy Method on Physiologic and Behavioral Metrics of Pain and Distress in Mice | Elizabeth Moore, DVM Ph.D. Candidate, Weiss Laboratory, Cornell University College of Veterinary Medicine |
| 8-Feb | 07:30 - 08:30 AM | Modernization of Animal Studies | Modernization of Animal Studies | Natalie Bratcher 3Rs Scientific Liaison & Animal Welfare Specialist, Abbvie Sean Maguire, VMD, MS, DACLAM GSK Associate Fellow, Comparative & Translational Sciences Veterinarian, GlaxoSmithKline Laura Schaevitz, PhD Chief Scientific Officer, Vium |
| 8-Feb | 09:00 - 10:00 AM | Refinement | Evaluation of the Neutrophil: Lymphocyte Ratio as an Indicator of Chronic Distress in the Laboratory Rodent | Debra Hickman, DVM, MS, DACLAM, DACAW Director, Laboratory Animal Resource Center, Indiana University |
| 8-Feb | 09:00 - 10:00 AM | Modernization of Animal Studies | The Digitalization of the Vivarium: Past and Present Initiatives that Optimize Animal Care and Welfare | John J. Hasenau DVM, DACLAM Principal, Lab Animal Consultants |
| 8-Feb | 10:30 - 11:30 AM | Refinement | Pros and Cons of Analgesic Use During Inhalational Anesthesia | Ignacio Alvarez Gomez de Segura, DipECLAM, DipECVAA Professor, Anesthesiologist, University Complutense, Spain |
| 8-Feb | 10:30 - 11:30 AM | Modernization of Animal Studies | Technology-Enabled Comparative Physiology: Strengthening Our Line of Sight to the Patient | Sean Maguire, VMD, MS, DACLAM GSK Associate Fellow, Comparative & Translational Sciences Veterinarian, GlaxoSmithKline |
| 8-Feb | 12:00 - 01:00 PM | Modernization of Animal Studies | Data Collection as Environmental Enrichment: Automated Behavioral Measurement in Voluntary Home Cage Operant Tasks | Jamie Ahloy Dallaire, MSc, PhD Postdoctoral Researcher, Department of Comparative Medicine, Stanford University |

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| 8-Feb | 01:30 - 02:30 PM | Modernization of Animal Studies | Applications of Preclinical Translational Imaging Technologies for Improved Modeling and Decision Making | Paul Makidon, DVM, PhD, DACLAM Senior Principle Research Scientist, AbbVie |
| 8-Feb | 01:30 - 02:30 PM | Refinement | Engaging Through Enrichment: How the Animal Enrichment Committee Works to Combat Compassion Fatigue | Jennifer Jones, BS, RLAT Animal Enrichment Coordinator, Lead Animal Technician, University of Michigan Medical School |