



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

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

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