

# LABORATORY ANIMAL SCIENCES

# MAY 14<sup>th</sup> 2020



| Date   | Time             | Track | Presentation Title   | Speaker  |
|--------|------------------|-------|--|--|
| 14-May | 06:00 - 07:00 AM |       | Embracing biological variation to improve reproducibility and reduce animal use                                  | Hanno Würbel<br>Division of Animal Welfare   |
| 14-May | 07:30 - 08:30 AM |       | Sex bias in preclinical research, why it exists and how to drive change  | Natasha Karp, PhD<br>Principal Data Scientist, AstraZeneca   |
| 14-May | 09:00 - 11:00 AM |       | PANEL: Experimental design and the reproducibility crisis: pitfalls, power, and practical best practice          | Joseph Garner, PhD<br>Associate Professor of Comparative Medicine and, By Courtesy, of Psychiatry and Behavioral Sciences, Stanford University Medical Center<br>Brianna Gaskill, PhD<br>Associate Professor of Animal Welfare, Animal Sciences, Purdue University, College of Agriculture |
| 14-May | 11:00 - 12:00 PM |       | Transparent, reliable and reproducible animal research: the ARRIVE guidelines 2.0                                | Nathalie Percie du Sert, PhD<br>Head of Experimental Design and Reporting, NC3Rs   |
| 14-May | 12:00 - 12:05 AM |       | Animal Models for Tuberculosis Research  | Yong Cheng, PhD<br>Research Assistant Professor, Department of Biological Sciences, University of Notre Dame   |
| 14-May | 12:00 - 12:05 AM |       | Automatic Detection and Classification of Behaviour in Laboratory Animals  | Patrick Sweeney, PhD<br>Founder & Chief Operating Officer, Naason Science, Inc.  |
| 14-May | 12:00 - 12:05 AM |       | Comparison of the Impact of Phlebotomy Method on Physiologic and Behavioral Metrics of Pain and Distress in Mice | Elizabeth Moore, DVM<br>Ph.D. Candidate, Weiss Laboratory, Cornell University College of Veterinary Medicine   |
| 14-May | 12:00 - 12:05 AM |       | Compassion Fatigue: Education and Engagement in Animal Research  | Marian Esvelt, DVM<br>Veterinary Resident, University of Michigan  |

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| 14-May | 12:00 - 12:05 AM |  | Data Collection as Environmental Enrichment: Automated Behavioral Measurement in Voluntary Home Cage Operant Tasks | Jamie Ahloy Dallaire, MSc, PhD<br>Postdoctoral Researcher, Department of Comparative Medicine, Stanford University                                    |
| 14-May | 12:00 - 12:05 AM |  | Evaluation of Analgesia Efficacy in Postoperative Mice Using Novel Cage-Side Measures                              | Jennifer Lofgren, DVM, MS, DACLAM<br>Associate Attending Veterinarian for Performance Standards and Enrichment, University of Michigan Medical School |
| 14-May | 12:00 - 12:05 AM |  | The Digitalization of the Vivarium: Past and Present Initiatives that Optimize Animal Care and Welfare             | John J. Hasenau DVM, DACLAM<br>Principal, Lab Animal Consultants  |
| 14-May | 12:00 - 12:05 AM |  | Tissue Chips: Building Confidence Through Independent Experimental Testing   | Ivan Rusyn, PhD<br>Professor, College of Veterinary Medicine & Biomedical Sciences, Texas A&M University  |