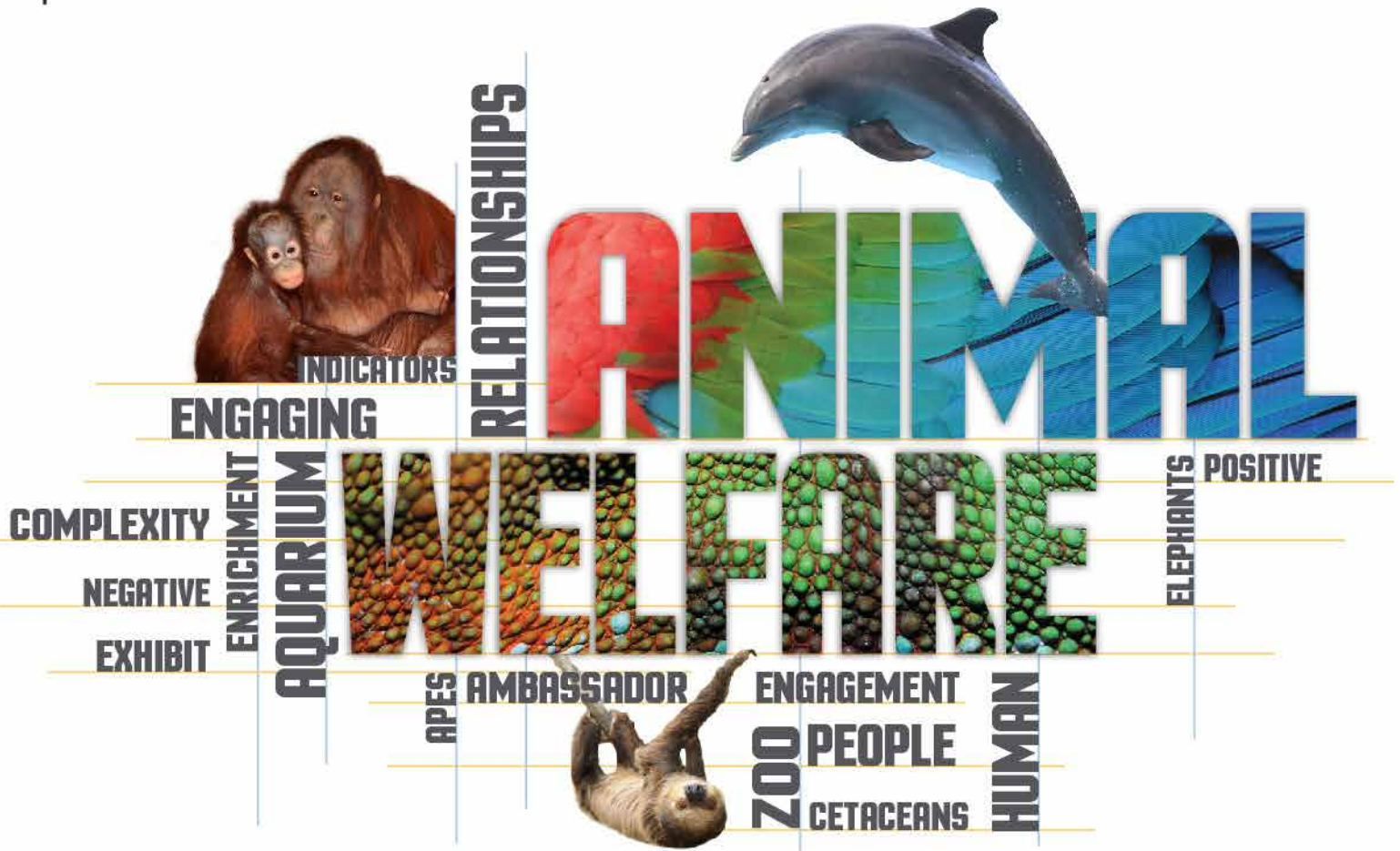


THIRD INTERNATIONAL SYMPOSIUM
ZOO ANIMAL WELFARE: PIONEERING NEW METHODS & TECHNIQUES
OCTOBER 8-10, 2017 | BROOKFIELD ZOO

PRESENTED BY THE

Chicago Zoological Society 
Center for the Science of Animal Care and Welfare



SCHEDULE OF EVENTS

SUPPORTED BY
The Grainger Foundation

Sunday, October 8, 2017

- 5:00 Bus to Brookfield Zoo
- 5:30 Social Hour
- 6:30 Stuart Strahl, President and CEO
- 6:45 **Keynote Speaker: Joy Mench**
Professor Emeritus, University of California, Davis
Lions and tigers and – chickens? Oh my!
- 7:45 Q&A
- 8:00 Bus to Hotel
- 12:00 Lunch
- 1:10 María Díez-León, Sabrina Brando, Markus Gusset,
& Ros Clubb
*Abnormal Repetitive Behaviours: What do they
tell us About Zoo Animal Welfare?*
- 1:30 Molly Staley, Melinda G. Conners, Katie Hall,
& Lance J. Miller
IgA as an Indicator of Zoo Animal Welfare
- 1:50 Rachel Santymire, Mary Beth Manjerovic,
& Allison Sacerdote-Velat
*Developing a Novel Welfare Tool to Monitor
Stress Physiology in Various Amphibian Species*

Monday, October 9, 2017

- 8:00 Bus to Brookfield Zoo
- 8:45 Logistics
- 9:00 Bill Zeigler, Sr. VP of Animal Programs
- 9:15 Georgia Mason
Validating Indicators of Animal Well-Being
- 9:35 Michael J. Adkesson, Julie Balko,
& Sathya K. Chinnadurai
*The “Caregiver Placebo Effect” on Zoo Animal
Welfare: Application of a Pressure Sensitive
Walkway System for Objective Evaluation of
Lameness in Non-Domestic Animals*
- 9:55 Paul E. Rose
*Applying Social Network Analysis to Welfare
Measurement of Zoo Birds*
- 10:15 Sandra M. Troxell-Smith
*Ask the Animals: Utilizing Zoo Foraging Ecology
to Assess Animal Welfare*
- 10:35 Break
- 11:00 Eliza Bliss-Moreau
*A New Model of Emotion for
Animal Welfare Science*
- 11:20 Molly McGuire, Zoe Johnson-Ulrich,
Audrey Robeson, & Jennifer Vonk
*Using Cognitive Bias Tasks as a Welfare
Assessment Tool*
- 11:40 Katherine A. Cronin, Emily J. Bethell,
Sarah L. Jacobson, & Stephen R. Ross
*Response Speed on a Simple Touchscreen Task
as a Welfare Indicator: A Study of Zoo-housed
Japanese Macaques*
- 2:10 Bethany L. Krebs & Jason V. Watters
*Welfare as Balance: Integrating Positive
and Negative Welfare Indicators in
Behavioral Assessments*
- 2:30 Break
- 2:55 Laura M. Bernstein-Kurtycz, Austin Leeds,
Mike Murray, Travis Vineyard, Andi Kornak,
& Kristen E. Lukas
*Does Exhibit Rotation Increase Species-Typical
Behavior in Bears?*
- 3:15 Eli Baskir, David Powell, Carrie Felsher,
Peggy Hoppe, & Rick Smith
*Progressively Challenging Enrichment: It’s Not
Fun If It’s Too Easy*
- 3:35 Jason D. Wark, Allison Kao, Katherine A. Cronin,
& Megan R. Ross
*Evaluating Enrichment – Using ZooMonitor to
Assess Activity Budget Goals*
- 3:55 Lance J. Miller
*Environmental Enrichment to Optimize
Behavioral Diversity*
- 4:15 Break
- 4:45 Poster Session
- 6:30 Bus to Hotel

Tuesday, October 10, 2017

- | | | | |
|-------|---|------|---|
| 8:00 | Bus to Brookfield Zoo | 1:20 | Austin Leeds, Julie Good, Patricia M. Dennis, Tara S. Stoinski, Mark A. Willis, Kristen E. Lukas, & Mandi W. Schook
<i>Evaluating the Effect of Positive Reinforcement Training on Salivary Oxytocin and Cortisol Concentrations in Two Adult Male Western Lowland Gorillas (<i>Gorilla gorilla gorilla</i>)</i> |
| 8:45 | Joseph Soltis, David A. Orban, Kimberly Adams, & Lori Perkins
<i>Sensory Environments of Zoo Animal Exhibits</i> | 1:40 | Ashley N. Edes, Barbara A. Wolfe, & Douglas E. Crews
<i>Estimating Physiological Welfare among Great Apes: The First Allostatic Load Index for Zoo-Housed Gorillas</i> |
| 9:05 | Marina B. Queiroz, William J. Davies, & Robert J. Young
<i>The Zoo Soundscape: Noise Effects and Animal Response</i> | 2:00 | Katie Hall, Jocelyn Bryant, Molly Staley, Jessica C. Whitham, & Lance J. Miller
<i>Validating WelfareTrak® as a Tool to Improve the Welfare of Individual Chimpanzees</i> |
| 9:25 | Andrea Polanco, María Díez-León, & Georgia Mason
<i>Different Forms of Stereotypic Behaviour Require Different Treatments in the American Mink (<i>Neovison vison</i>), a Model Carnivore</i> | 2:20 | Break |
| 9:45 | Stephanie Allard, Matthew Heintz, & Grace Fuller
<i>The Behavioral Response and Transition of Penguins to a New Habitat</i> | 2:45 | Jilian Fazio & Erika Bauer
<i>Welfare Implications of Management, Facility Design, and Institutional Transfers for the Fishing Cat (<i>Prionailurus viverrinus</i>)</i> |
| 10:05 | Break | 3:05 | Katharina Herrmann, Samantha J. Ward, Geoff Hosey, & Vicky Melfi
<i>The Influence of Individual Keeper and Animal Characteristics on Human-Animal-Interactions</i> |
| 10:30 | Meredith Bashaw
<i>The Effects of Handling on Leopard Gecko Welfare</i> | 3:25 | Geoff Hosey, Lynda Birke, Wendy S. Shaw, Sam Ward, Lindsay Skyner, & Vicky Melfi
<i>Furred and Feathered Friends: How Attached Are Zoo Keepers to Their Animals?</i> |
| 10:50 | Bonnie Baird, Kristen Lukas, Nadja Wielebnowski, Barbara Wolfe, Adrienne Crosier, Heidi Bissell, Christopher Kuhar, & Mandi Schook
<i>Assessing Welfare of Zoo-Housed Cheetahs (<i>Acinonyx jubatus</i>) in Different Management Roles</i> | 3:45 | Panel Discussion
Joy Mench
Georgia Mason
Jill Mellen |
| 11:10 | Melinda Conners, Lance J. Miller, K Alex Shorter, Joaquin Gabaldon, & Ding Zhang
<i>Monitoring Dolphin Behavior and Activity through Bio-logging Technology</i> | 4:45 | Closing Remarks |
| 11:30 | Michael T. Walsh, Craig Pelton, & Shelly Marquardt
<i>Attachment Disorder in Managed Care: Using Stranded and Orphaned Cetacean Cases to Understand the Influence of Mental and Physical Support Factors on Wellness and Health</i> | 5:00 | Social |
| 11:50 | Lunch | 6:00 | Closing Reception |
| 1:00 | Grace Fuller & Stephanie Allard
<i>Impacts of Housing Choice and Consistency on Patterns of Cortisol Secretion and Keeper Assessments of Welfare in Western Lowland Gorillas</i> | | |