Posters will be on display during Exhibit Hall Hours in the rear of the Exhibit Hall. Authors of each poster will be present for discussion during the Poster Reception, Tuesday, September 10, from 5:30 PM – 7:00 PM. Beer, wine, and light appetizers will be served.

POSTERS ARE LISTED BY PRIMARY TRACK.

**ANIMAL MANAGEMENT, HEALTH & WELFARE**

*Age-related Changes in Behavior and Glucocorticoid Production by Somali Wild Ass Foals (Equus africanus somaliensis)*
- Corinne Kozlowski, Endocrinologist, Saint Louis Zoo
- Eli Baskir, Saint Louis Zoo
- Helen Clawitter, Saint Louis Zoo
- Tim Thier, Saint Louis Zoo
- Martha Fischer, Saint Louis Zoo
- David M. Powell, Saint Louis Zoo
- Cheryl S. Asa, Saint Louis Zoo

*Analysis of Maternal Behaviors from Labor to Cub Removal in Captive Amur Leopards*
- Teresa Sauer, Student, Fairfield University
- Alianna Goldy, Student
- Morgan Hansen, Student
- Jim Knox, Connecticut’s Beardsley Zoo
- Rob Tomas, Connecticut’s Beardsley Zoo
- Ashley Byun, Associate Professor, Fairfield University

*Behavioral Responses of Tigers (Panthera tigris) to Olfactory Stimuli at the Bronx Zoo, New York*
- Hannah Dancy, Masters Student, Columbia University

*Behavioral Thermoregulation in Asian Elephants at Audubon Zoo: Shade Seeking and Pool Usage*
- Michael Rowe, Assistant Professor of Physiology, Dillard University

*Captive Populations as a Tool for Wildlife Research: Non-invasive Methods Assess the Stress Hormones and Health of Gentoo Penguins*
- Jessica Karan, Graduate Student, College of Charleston

*Cetacean Welfare Study: Accredited Institutions Unite to Continuously Improve the Welfare of Cetaceans in Zoos and Aquariums*
- Lisa Lauderdale, Postdoctoral Fellow, Chicago Zoological Society – Brookfield Zoo

*Change in Social Spacing in Captive Western Lowland Gorillas During Reproductive Period*
- Katherine Christie, Student, University of Georgia

*Changes in the Demographic and Genetic Status of AZA Animal Populations Over Time*
- Judy Che-Castaldo, Research Scientist, Lincoln Park Zoo

*Characterizing the Reproductive Biology of Zoo-housed Bactrian Camels (Camelus bactrianus) Using Fecal Hormone Metabolite Analysis*
- Katherine Fowler, Endocrinology Laboratory Associate, Lincoln Park Zoo

*Connections of the Zoo Staff-Animal Bond and Ambassador Cheetah (Acinonyx jubatus) Welfare*
- Brittny Fischer, Graduate Student, Center for Human-Animal Interactions Research & Education at The Ohio State University

*Designing and Collaborating for Pangolin Husbandry Advancement*
- Amy Roberts, Senior Curator of Mammals, Brookfield Zoo

*Dig It: Facilitating Inextricably Reinforcing Natural Behavior for Two Species of Mole Rats at the Philadelphia Zoo*
- Michael Stern, Curator of Primates & Small Mammals, Philadelphia Zoo

*Do Animal Care Staff Perceptions of Social Bonding Predict Oxytocin Concentrations in Western Lowland Gorillas (Gorilla gorilla gorilla)?*
- Austin Leeds, Research Manager, Disney’s Animal Kingdom
- Mandi Shook, Science Operations Director, Disney’s Animal Kingdom
- Patricia Dennis, Epidemiologist, Cleveland Metroparks Zoo
- Tara Stoinski, President and CEO/Chief Scientific Officer, Dian Fossey Gorilla Fund International
- Mark Willis, Department of Biology Chair, Case Western Reserve University
- Kristen Lukas, Director of Conservation & Science, Cleveland Metroparks Zoo

*Do Evening Zoo Events Influence Daytime Activity of Nearby Animals?*
- Cathleen Cox, Zoo Research Director, Los Angeles Zoo & Botanical Garden

*Do Routine Human-Animal Interactions Have the Physiological Responses We Expect?*
- Matthew Heintz, Research Associate, Detroit Zoological Society
- Grace Fuller, Manager of Applied Animal Welfare Science, Detroit Zoological Society
- Stephanie Allard, Director of Animal Welfare, Detroit Zoological Society

*Don’t Jinx It!: The Impact of Maternal Training on the Development of Natural Maternal Behaviors in a Naive 0.1 Mandrill*
- Courtney Eparvier, Curator of Primates and Sea Lions, Audubon Nature Institute
- Melissa Passman, Primate Animal Care Staff, Audubon Nature Institute
- Amanda Fyfe, Primate Animal Care Staff, Audubon Nature Institute
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• Mark Wanner, Zoological Manager of Herpetology & Aquatics, Saint Louis Zoo
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• David Powell, Director of Research: Reproductive and Behavioral Sciences, Saint Louis Zoo

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- Taylor Wilson, Student, Otterbein University

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- Dakota Farquhar-Caddell, Associate Director of Student Activities, Baylor University
- Robert L. Reid, Director of the Baylor Chamber of Commerce, Baylor University

Use of High Frequency Radio Frequency Identification Technology to Monitor Nest Usage in the Northern Carmine Bee-eater (Merops n. nubicus)

- Andrew Alba, Research Programs Specialist, Disney’s Animal Kingdom
- Michael Hrabina, Global Product Marketing Manager, FEIG Electronics, Inc.

Why Are You Doing That, How Can I Get You to do Something Different, and How Can I Communicate That to Others? Using ZooMonitor to Set Behavioral Goals for Animals in Our Care

- Molly Selleck, Student, Colorado State University and Downtown Aquarium Denver

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- Ashley Byun, Associate Professor, Fairfield University
- Allie Martin, Fairfield University
- Ryan Remeik, Fairfield University
- Jim Knox, Connecticut’s Beardsley Zoo
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- Jack Vees, Yale School of Music
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Zookeeper and Visitor Perceptions at Pueblo Zoo: Rating Welfare of African penguins (Spheniscus demerus), Hyacinth Macaws (Anodorhynchus hyacinthinus), African Painted Dog (Lycaon pictus), and Camels (Camelus bactrianus and Camelus dromedarius)

- Suzie Halvorson, Student, Pueblo Zoo and Colorado State University

AQUARIUM AFFAIRS

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- Heather Hooper, Senior Aquarium Biologist/Aquarium Dive Safety Officer, Mote Marine Laboratory & Aquarium
- Mike Collins, Curator of Exhibits, Mote Marine Laboratory & Aquarium

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- Andrea Densham, Senior Director Policy & Advocacy, John G. Shedd Aquarium

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- Karen Tingley, Director of Education, Wildlife Conservation Society

Highlights of the 2019 Green Summit: Leveraging “Washed Ashore” to Reduce Single-use Plastics

- Liz Larsen, Director of Conservation, Utah’s Hogle Zoo

Highlights of the 2019 Green Summit: Plastic Free EcoChallenge

- Barb Revard, Director of Sustainability, Columbus Zoo and Aquarium

Highlights of the 2019 Green Summit: Sustainability Institute Collaboration

- Elizabeth Bagley, Director of Sustainability, Steinhart Aquarium

Highlights of the 2019 Green Summit: Winning the Fight Against Single-use Plastic

- David Wilke, Director of Facilities, Woodland Park Zoo

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- Jeremiah Gard, Director of Finance, Red River Zoo

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- Robert Mendyk, Curator of Herpetology, Audubon Zoo
- Dan Dembiec, Curator, Memphis Zoo

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- Alyson Yarus, Associate Principal, Director of Animal Care Projects, Noll & Tam Architects

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- Jericho Whiting, Professor of Wildlife Ecology, Brigham Young University-Idaho

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- Rebecca Lyons, Student, Fairfield University
- Kenneth Fernandez, Student, Fairfield University
- John Cahill, Student, Fairfield University (at the time of the project)
- Ashley Byun, Associate Professor, Fairfield University
- Rob Tomas, Associate Curator of Education, Connecticut’s Beardsley Zoo
- Jim Knox, Curator of Education, Connecticut’s Beardsley Zoo

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  • Katie Remine, Science & Conservation Education Supervisor, Woodland Park Zoo
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  • Leonel Ovalle, Curator of the Red Siskin Conservation Center, Provita
  • Miguel Ángel Arvelo, Coordinator, Red Siskin Initiative
  • Jesús Morales-Campos, Data Analyst, Provita
  • Brian Coyle, Program Manager, Smithsonian Conservation Commons
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• Joel Richard, Head of Web & IT Services, Smithsonian Libraries, Smithsonian Institution; Technical Coordinator, Biodiversity Heritage Library (ORCID 0000-0002-4589-2351)
• Katerina Ozment, Student, University of Oklahoma (ORCID 0000-0003-2865-3735)
• Taylor G. Smith, Student, Bowie State University (ORCID 0000-0003-2995-7511)

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