

Fourteenth Biennial Symposium of the Comparative Nutrition Society



PROGRAM

Solitude Mountain Resort, Utah
August 1-4, 2022

Comparative Nutrition Society

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All presentations and coffee breaks will be in Last Chance Lodge

St. Bernard's Bar is open at The Inn 6 pm – 12 AM nightly.

Other meal alternatives are available on site (but not associated with conference)

Sunday, July 31

1600-1800 Registration – The Inn

1800-2000 Icebreaker - St. Bernard's (bar) at The Inn

Thirsty Squirrel (alternative bar) open Sunday night after Icebreaker until 9 PM

Monday, August 1

0700-0800 Breakfast - Last Chance Lodge

0900 Welcome and Housekeeping
Ellen Dierenfeld

Scientific Session: Diet and Health 1

0930 Influence Of Dietary n-3 Long Chain Polyunsaturated Fatty Acids On
Migratory Performance In Western Sandpipers
Morag Dick

1000 Fat Scoring In Warblers As An Estimation Of Body Condition: A Validation
Study
Elizabeth Wenker

1030 Break

1045 Exposure To UVB Light Increases The Vitamin D Concentration In Two
Species Of Feeder Crickets (*Acheta domesticus* And *Gryllobates sigillatus*)
Morgan Kienzle

1115 Factors Affecting Hoof Measurements In Horses And Zebras
Ashley Fowler

1200-1300 Lunch - Last Chance Lodge

1330 Housekeeping

1340 Multiple Dietary Supplementations In Laying Hens Enrich DHA, 25-OH D₃,
And Astaxanthin Jointly In Egg Yolks For Human Consumption Benefits
Keith Ou (*student presentation*)

1410 Antimicrobial Peptides In Black Soldier Fly Larvae
Tarra Freel

1440 Break

1500-1700 Poster Session

1830-2030 Dinner - Last Chance Lodge

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SCIENTIFIC PROGRAM

POSTER PRESENTATIONS

Access To Browse Decreases Occurrences Of Oral Stereotypies In Three Adult Reticulated Giraffes (*Giraffa reticulata*)
Morgan Kienzle

Growth Rates And Lactation Demands Of Mother Reared Hippopotamus (*Hippopotamus amphibious*) At Disney's Animal Kingdom
Shannon Livingston

Feces As Food: A Framework For Adaptive Nutritional Coprophagy In Vertebrates
Elaine Power

Sodium Content In Plant And Insect Food Resources Consumed By Chimpanzees In Gombe National Park, Tanzania
Axelle Shimwa (*presenter Michael Power*)

Evaluation Of The Effects Of Dietary *Uronema* spp. On The Growth Performance, Feed Intake And Feed Conversion Ratio Of Broiler Chickens
Hannah Shinnerl (*student presentation*)

Fecal Microbiota Transplants Modulate The Gut Microbiome Of A Two-Toed Sloth (*Choloepus didactylus*)
Piper Thatcher (*presenter Sally Bornbusch*)

Comparison Of Perissodactyla (Families Equidae, Rhinocerotidae, Tapiridae) Milk Macronutrient Composition
Jenna Wagner (*student presentation*)

Nutrition For Rehabilitating Wild Florida Manatees (*Trichechus manatus latirostris*)
Scott Williams

Tuesday August 2

0700-0800 Breakfast - Last Chance Lodge

0830 Plenary Speaker: Shawn Wilder
Carnivore Nutrition: An Arthropocentric Perspective

0930 Break

Scientific Session: Diet Composition

0945 What Is Chelation? – How Bonds Can Change Bodies
Kathleen Sullivan

1015 Digestibility Of Mice In Cats And The Associated Fermentation Profile
Sylvie D'Hooghe (*student presentation*)

1045 Break

1100 Macronutrient Analysis Of Three Species Of Periodical (17-Year) Cicadas: *Magicicada septendecium*, *M. cassini*, And *M. septendecula*
Ekatarina Lopez-Bondarchuk (*student presentation*)

1130 Evaluating The Effect Of Psyllium Supplementation On Sand Clearance Rate And Hemicellulose Digestibility In The Gastrointestinal Tract Of Southern White Rhinoceroses
Benjamin Po (*student presentation*)

1200-1300 Lunch - Last Chance Lodge

1330 Housekeeping

1340 The Role Of Digestible Glutamine And Glutamate In Carnivore Nutrition
Mengmeng Sun (*student presentation*)

1410 Creation Of An Exotic Feeds And Forage Database
Sarah Fessenden

1440 Using Natural Dietary Markers To Assess Digestive Health In The Common Marmoset (*Callithrix jacchus*)
Michael Power

1530 Business Meeting

1830-2030 Dinner - Last Chance Lodge

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Wednesday August 3

0700-0800 Breakfast - Last Chance Lodge

0830 Plenary Speaker: Denise Dearing
Eating And Not Dying: Strategies For Dealing With Dietary Toxins

0930 Break

Scientific Session: Microbiome

0945 Response Of Fecal Microbiota To Sugar Reduction In Captive Small Primates
Erin Kendrick

1015 Domestic Cat (*Felis catus*) Potential Fecal Microbiome Correlations With Age,
Body Condition Score And Fecal Score
Molly Kittson (*student presentation*)

1045 Break

1100 Milk Microbiomes Of Three Great Ape Species Vary Among Host Species And
Over Time
Sally Bornbusch

1130 Macronutrient Composition Of Baboon (*Papio anubis*), Rhesus Macaque (*Macaca
mulatta*) And Southern Pig-Tailed Macaque (*M. nemestrina*) Milk Is Similar
Michael Power

1200 Housekeeping

Rest Of Day (including meals) On Your Own – Enjoy!

Thursday August 4

0700-0800 Breakfast - Last Chance Lodge

0830 Plenary Speaker: Marcus Clauss (via Zoom)
Comparative Nutrition And Digestive Physiology - Thoughts About Future
Possibilities

0930 Break

0945 Special Invited Speaker: Scott Echols
Navigating The Dietary Supplement Industry

1045 Break

1100 Workshop: Building ZIMS Nutrition Module
Moderator: Heidi Bissell

1200-1300 Lunch - Last Chance Lodge

Scientific Session: Presidential Musings

1330 Energetics Of An Acute Phase Immune Response In Tropical And Temperate
Birds: Life-History Factors That Explain Differing Investments
Kirk Klasing

1400 Prairie Dogs As Ferret Food: “Whole”Istic Carcass Nutrition
Ellen Dierenfeld

1430 Break

1445 Milk Production And Weaning Strategies Assessed From Milk Composition And
Milk Types
Robert White

1515 The Changing Ocean And Marine Mammal Nutrition – A Cross-Roads Of
Unknowns
David Rosen

1545 Final Thoughts and Housekeeping

1800-2200 Banquet - 2nd floor, Last Chance Lodge