

ASP 2022 Program at-a-Glance

This version was last updated August 11th. See the live version of the program on the website for real time updates.

Talks and posters are listed by **presenter** only. For a full list of authors and abstracts, see the program on the website.

The 2022 meeting is hybrid! Talks will be streamed live online and recorded for ON DEMAND viewing. Posters presented at the poster session also are available ON DEMAND.

See the online program for hours and locations for the **registration desk**, **speaker ready room**, and **quiet space**.

Thursday, August 25, 2022

Start & End Time	Session	Location
8:30 AM 12:30 PM	Board of Directors Meeting	Biltmore
1:00 PM 3:00 PM	Finance and Membership Committee Meeting	Biltmore
1:00 PM 3:00 PM	Research and Development Committee Meeting	Capitol
3:00 PM 5:00 PM	Conservation Committee Meeting	Terrace
3:00 PM 5:00 PM	Diversity, Equity, Inclusion and Accessibility Committee Meeting	Capitol
3:00 PM 5:00 PM	Education Committee Meeting	Biltmore
3:00 PM 5:00 PM	Primate Care Committee Meeting	Columbine
3:00 PM 5:00 PM	Publications Committee Meeting	Beverly
5:30 PM 8:30 PM	Opening Reception	Denver Zoo

Friday, August 26, 2022

Start & End Time	Session	Location
8:00 AM 9:00 AM	President's Welcome, Student Award Data Blitz, and Exhibit Blitz	Majestic Ballroom
9:00 AM 10:00 AM	Keynote Speaker – The Great Ape Heart Project: How Collaboration and Reputation Can Improve Research in Zoos Speaker: Hayley Murphy	Majestic Ballroom
10:00 AM 10:30 AM	Morning Break	Majestic Foyer
10:30 AM 11:45 AM	Podium Session: Cognition (part 1) Chair: Gillian Vale	Columbine
10:30-10:45	<i>Using Macaques' Engagement with, and Performance in, Cognitive Testing to Assess Welfare (RACE) Lydia Hopper</i>	
10:45-11:00	<i>Automated Cognitive Testing Systems (ACTS) for Socially Housed Nonhuman Primates (RACE) Michele M. Mulholland</i>	
11:00-11:15	<i>Attentional Biases and Preferences for Colors in Three Primate Species Jesse Leinwand</i>	
11:15-11:30	<i>Biophilia: Attentional Biases Towards Pictures of Man-made and Natural Scenes in Three Primate Species (Gorilla gorilla gorilla, Pan troglodytes, Macaca fuscata) Priyanka Joshi</i>	
11:30-11:45	<i>Using the Dot Probe Task to Test Primate (Gorilla gorilla gorilla, Pan troglodytes, Macaca fuscata) Preferences: Do Attentional Biases Towards Foods Reveal Participant Preferences? Gillian Vale</i>	
10:30 AM 12:00 PM	Podium Session: Health Chair: Keely McGrew	Majestic Ballroom
10:30-10:45	<i>Relocation-Associated Diarrhea, Microbiome Composition and Probiotic Intervention in Cynomolgus Macaques Keely McGrew</i>	
10:45-11:00	<i>Positive Reinforcement Training May Influence the Acute Immune Response to SIV-Infection in Socially Housed, Laboratory Pigtailed Macaques (Macaca nemestrina) and Rhesus Macaques (Macaca mulatta) Selena M. Guerrero-Martin</i>	
11:00-11:15	<i>Body Composition, Morphometrics, Physical Activity and Resting Energy Expenditure as Predictors of Mortality in the Common Marmoset (Callithrix jacchus) (RACE) Juan Pablo Arroyo</i>	
11:15-11:30	<i>Is Neonatal Clinical Nursery Rearing Associated with Long-term Health Effects? (RACE) Peter Pierre</i>	

	11:30-11:45	<i>Behavioral Effects of Lactobacillus reuteri on the Psychological Health of Group-housed Juvenile Rhesus Macaques (Macaca mulatta) (RACE) Kate Baker</i>	
	11:45-12:00	<i>Mild Behavioral Impairment (MBI) in Chimpanzees (Pan troglodytes) as a Function of Cognitive Aging (RACE) Tina Cloutier-Barbour</i>	
12:00 PM	1:00 PM	Lunch (on your own)	
1:00 PM	3:30 PM	Interdisciplinary Symposium – What’s New at the Zoo: Recent Advances in Primatology Taking Place in Modern Zoological Parks Chairs: Elizabeth Herrelko, Steve Ross	Majestic Ballroom
	1:00-1:05	<i>Introduction Elizabeth Herrelko</i>	
	1:05-1:20	<i>How Zoo-Living Orangutans Play The Concentration Game: Strategies for Solving a Visuospatial Memory Task Christopher F. Martin</i>	
	1:20-1:35	<i>Alternating Overnight Housing Conditions in a Bachelor Group of Western Lowland Gorillas (Gorilla gorilla gorilla): Welfare Impacts and Long-Term Management Implications (RACE) Kylene N. Gartland</i>	
	1:35-1:50	<i>SAFE and Sound: How the AZA’s SAFE Program is Working to Save Chimpanzees (Pan troglodytes ssp.) Tina Cloutier-Barbour</i>	
	1:50-2:05	<i>Three Decades of Inquiry, Discovery and Collaboration: How Zoos Reinforce Conservation in Congo David Morgan</i>	
	2:05-2:20	<i>Effects of Dietary Leafy Browse on the Gut Microbiome of Zoo-Housed Black and White Colobus Monkeys (Colobus guereza) and François’ Langurs (Trachypithecus francoisi) Maura R. Plocek</i>	
	2:20-2:35	<i>No Pressure! Implementing a Multi-Institutional Study of Blood Pressure Monitoring in Bonobos (Pan paniscus) (RACE) Marietta D. Danforth</i>	
	2:35-2:50	<i>Moving Beyond Glucocorticoids to Understand Responses to Stress: A Case Study in a Francois Langur (Trachypithecus francoisi) (RACE) Ashley N. Edes</i>	
	2:50-3:05	<i>Characterizing Salivary Melatonin as a Biomarker for Captive Lighting Design in Aye-Ayes (Daubentonia madagascariensis) (RACE) Grace Fuller</i>	
	3:05-3:20	<i>Match that Tune: Gorillas (Gorilla gorilla gorilla) Match Preferred Sounds to Arbitrary Symbols Jennifer Vonk</i>	
	3:20-3:30	<i>Tribute to the Career of Steve Ross</i>	
3:30 PM	4:00 PM	Afternoon Break	Majestic Foyer
4:00 PM	5:00 PM	Podium Session: Aging Chair: Brett Frye	Columbine
	4:00-4:15	<i>Diet and Stress Impair Ovarian Function in Mid-life, Increasing Risk of Chronic Diseases of Aging in Cynomolgus Macaques (Macaca fascicularis) (RACE) Brett M. Frye</i>	
	4:15-4:30	<i>Social, Physical, and Cognitive Aging in Captive Female Vervets (Chlorocebus aethiops sabaues) (RACE) Jacob D. Negrey</i>	
	4:30-4:45	<i>Measures of Lemur Physiological Aging (RACE) Elaine E. Guevara</i>	
	4:45-5:00	<i>Evaluating a Novel Model of Frailty Index and Healthy Aging with Inflammatory and Behavioral Markers in Outdoor Group-Housed Rhesus Macaques (Macaca mulatta) Alex M. Johnson</i>	
4:00 PM	5:00 PM	Roundtable – Zoo Primate Research: What is it like to Conduct Research in a Zoo? Moderator: Elizabeth Herrelko	Majestic Ballroom
5:00 PM	7:00 PM	Executive Committee Meeting	Columbine
7:00 PM	9:00 PM	Student Social Mixer & Trivia	Columbine

Saturday, August 27, 2022

Start & End Time		Session	Location
8:30 AM	8:45 AM	Morning Announcements	Majestic Ballroom
8:45 AM	9:00 AM	How the American Society of Primatologists Began Joseph Erwin	Majestic Ballroom
9:00 AM	10:00 AM	Keynote Speaker – Balancing Biodiversity Conservancy and the Community-Based Conservation Reckoning to Expand Lemur Habitat in Madagascar Edward Louis	Majestic Ballroom
10:00 AM	10:30 AM	Morning Break	Majestic Foyer
10:30 AM	11:45 AM	Podium Session: Behavior of Primates in Human Care Chair: Andrew Halloran	Columbine
	10:30-10:45	<i>Utilizing Behavioral Baselines in Measuring the Effectiveness of Individual Care Plans for Captive Chimpanzees (Pan troglodytes) (RACE) Andrew R. Halloran</i>	
	10:45-11:00	<i>Social Network Analysis as a Tool for Making Better Management Decisions in Heterogeneous Rescued Spider Monkey (Ateles geoffroyi) Groups Gisella Majoral Antich</i>	
	11:00-11:15	<i>Titi Monkey Responses to Playbacks of Paired and Unpaired Individuals Allison Lau</i>	
	11:15-11:30	<i>The Importance of Auditory, Olfactory, and Visual Cues for Insect Foraging in Aotus nancymae Gabrielle Risko</i>	
	11:30-11:45	<i>Behavioral Responses to Conspecific Urinary Cues in Pair-Living Owl Monkeys (Aotus nancymae) Isabel Arcusa</i>	
10:30 AM	12:00 PM	Roundtable – Facilitating Reproducibility Through Increased Transparency in Articles Reporting Research with Primates Moderator: Kris Coleman	Majestic Ballroom
12:00 PM	1:30 PM	Lunch (on your own)	
12:00 PM	1:30 PM	Board of Directors Meeting	Savoy
12:00 PM	1:30 PM	AJP Editorial Board Luncheon	Vail
12:30 PM	1:30 PM	Social Media Workshop	Columbine
1:30 PM	2:45 PM	Podium Session: Cognition (part 2) Chair: Mayte Martínez	Columbine
	1:30-1:45	<i>Capuchin monkeys (Sapajus [Cebus] apella) Show Co-Representation in a Computer-Based Joint Simon Task Mayte Martínez</i>	
	1:45-2:00	<i>Humans', Capuchin Monkeys' (Cebus [Sapajus] apella), and Rhesus Macaques' (Macaca mulatta) Size Judgements Shift When Stimuli Change in Frequency Sierra Simmons</i>	
	2:00-2:15	<i>Capuchin Monkeys and Humans Differ on Sequence Preference Development Jhonatan Saldana</i>	
	2:15-2:30	<i>Spatiochromatic Modeling of Primate Visual Perception of Eyes Will Whitham</i>	
	2:30-2:45	<i>Processing Olfactory Social Odors by Brain Imaging in Juvenile Common Marmosets: Gender Matters Toni E. Ziegler</i>	
1:30 PM	3:15 PM	Podium Session: Behavior and Sociality of Wild Primates Chair: Kris Sabbi	Vail
	1:30-1:45	<i>Developmental Changes in the Social Networks of Immature Wild Javan Gibbons (Hylobates moloch) Saein Lee</i>	
	1:45-2:00	<i>Presence of Chimpanzees Influence Red Colobus Ranging Behavior Gisela Sobral</i>	
	2:00-2:15	<i>Maternal Kinship Influences the Association Network Structure in Spider Monkeys (Ateles geoffroyi) Cristina Jasso-del Toro</i>	
	2:15-2:30	<i>Paternity is Skewed Towards Alpha Males in Colobus vellerosus Sara Lucci</i>	
	2:30-2:45	<i>Object Manipulation and Tool-Use in Nicobar Long-Tailed Macaques (Macaca fascicularis umbrosus) Jayashree Mazumder</i>	
	2:45-3:00	<i>Grown-Ups Can Have Fun, Too: Social Play Among Wild Adult Chimpanzees (Pan troglodytes schweinfurthii) Kris H. Sabbi</i>	
	3:00-3:15	<i>Transient co-singing of offspring and mothers in non-duetting Javan gibbons (Hylobates moloch) Yoonjung Yi</i>	

1:30 PM	4:00 PM	Symposium – Aging, Lifespan, & Healthspan in Nonhuman Primates (Sponsored by the National Institute on Aging) Chairs: Carol Shively, Brett Frye, Agnes Lacreuse, Emily Rothwell	Majestic Ballroom
	1:30-1:35	<i>Introduction by Manuel Moro, Director, Animal Models Program, Division of Aging Biology, NIA</i>	
	1:35-2:00	<i>Dietary Interventions to Maintain Healthspan and Extend Lifespan in the Grey Mouse Lemur (<i>Microcebus murinus</i>) (RACE) J��r��my Terrien</i>	
	2:00-2:25	<i>Characterization of Aging Trajectories from Midlife to Old Age in Common Marmosets (<i>Callithrix jacchus</i>) (RACE) Carmen Freire Cobo</i>	
	2:25-2:50	<i>Aging, Cognitive, and Physical Decline in Vervets (<i>Chlorocebus aethiops sabaesus</i>) (RACE) Carol A. Shively</i>	
	2:50-3:15	<i>Neuroendocrine Changes with Aging in Rhesus Monkeys (<i>Macaca mulatta</i>): Impact on Healthspan and Mindspan (RACE) Mark Baxter</i>	
	3:15-3:40	<i>Age-Related Changes in Chimpanzee (<i>Pan troglodytes</i>) Neurocognitive, Motor and Physiological Functions (RACE) William Hopkins</i>	
	3:40-4:00	<i>Discussion - Led by Manuel Moro, Director, Animal Models Program, Division of Aging Biology, NIA</i>	
2:45 PM	4:00 PM	Podium Session: Management of Zoo Primates Chair: Katie Gerstner	Columbine
	2:45-3:00	<i>Behavioral and Fecal Glucocorticoid Profiles in the Formation of All Female Social Groups of Pygmy Slow Lorises (<i>Nycticebus pygmaeus</i>) Josue S. Alejandro</i>	
	3:00-3:15	<i>The Relationship Between Personality, Season, and Wounding in Zoo-Housed Japanese Macaques (<i>Macaca fuscata</i>): A Multi-Institutional Study Christina Doelling</i>	
	3:15-3:30	<i>Project Zoentropy: Monitoring Zoo Animal Behavior Through a Lens of Complexity Andrew J. MacIntosh</i>	
	3:30-3:45	<i>How to Surpass Yourself at Jumping: A Lesson from Zoo-Living Bicolor Tamarins and Goeldi’s Monkeys Gregoire P. Boulinguez-Ambroise</i>	
	3:45-4:00	<i>Using the Health & Behavior of Wild Chimpanzees to Inform Captive Chimpanzee Care: Focus on Feeding and Foraging Katie F. Gerstner</i>	
3:15 PM	4:00 PM	Podium Session: Conservation Chair: Jacob Negrey	Vail
	3:15-3:30	<i>Use of Secondary Matrix by Mouse Lemurs in NW Madagascar Shawn M. Lehman</i>	
	3:30-3:45	<i>Animal-Mounted GPS Tracking of Free-Ranging Emperor Tamarins (<i>S. imperator</i>) in Madre de Dios, Peru R. Gustav Steinhardt - WITHDRAWN</i>	
	3:45-4:00	<i>Social Status Predicts Mortality and Physiological Parameters During an Outbreak of Acute Respiratory Disease in Wild Male Chimpanzees (<i>Pan troglodytes schweinfurthii</i>) at Ngogo, Kibale National Park, Uganda Jacob D. Negrey</i>	
4:00 PM	4:30 PM	Afternoon Break	Majestic Foyer
4:30 PM	5:30 PM	Social Hour with the Diversity, Equity, Inclusion, and Accessibility Committee	Columbine
4:30 PM	5:30 PM	Past Presidents’ Reception	
5:30 PM	7:30 PM	Poster Session	Majestic Ballroom
7:30 PM	9:00 PM	Speed Mentoring	Vail

Sunday, August 28, 2022

Start & End Time		Session	Location
8:45 AM	9:00 AM	Morning Announcements	Majestic Ballroom
9:00 AM	10:00 AM	Distinguished Primatologist Address – Howler Monkeys, Environmental Change, and Conservation Activism Julio C. Bicca-Marques	Majestic Ballroom
10:00 AM	10:30 AM	Morning Break	Majestic Foyer
10:30 AM	11:45 AM	Podium Session: Microbiomes & Genetics Chair: Negin Valizadegan	Columbine
	10:30-10:45	<i>Blood Microbiome Compositions in Humans and Captive Non-Human Primates and Their Variations in Sensitivity to Bacterial Molecules</i> Negin Valizadegan	
	10:45-11:00	<i>A First Glimpse of the Captive Saimiri Gut Microbiome – Preliminary Data</i> Kaelyn M. Dobson	
	11:00-11:15	<i>Comparative Genomic Analysis of 809 Nonhuman Primates Representing 233 Species: Evolutionary and Population Genetic Insights from Whole Genome Sequence Data</i> Jeffrey Rogers	
	11:15-11:30	<i>Identification of Conserved Sequence Elements Across 230 Primate Genomes with Deep Learning</i> Lukas Kuderna	
	11:30-11:45	<i>Unlocking Museum Collections for Primate Phylogenomics and Conservation: Case Studies from Lorisiform Primates</i> Mary E. Blair	
10:30 AM	12:00 PM	Podium Session: Management of Research Primates (part 1) Chair: Gabriela Oliveira	Majestic Ballroom
	10:30-10:45	<i>The Use of a Competing Stimulus Assessment in Reducing Wound Touching in a Rhesus Macaque</i> Andrea N. Franklin	
	10:45-11:00	<i>Managing Weight of Adult Male Rhesus Macaques (Macaca mulatta) Using Higher Fiber Chow and an Increased Frequency of Enrichment</i> Jason M. Cowan-Brown	
	11:00-11:15	<i>Nighttime Behavior of Paired Rhesus Macaques (Macaca mulatta) (RACE)</i> Allison Heagerty	
	11:15-11:30	<i>Assessing the Welfare Impact of Access to Outdoor Run Space for Young Male Rhesus (RACE)</i> Mollie Bloomsmith	
	11:30-11:45	<i>Social Style as a Predictor of the Neuroendocrine Stress Response in Juvenile Common Marmosets, Callithrix jacchus (RACE)</i> Gabriela d. Oliveira	
	11:45-12:00	<i>Language Matters: Creating Clear and Concise IACUC Documentation (RACE)</i> Kimberly Ray	
12:00 PM	1:00 PM	Lunch (on your own)	
1:00 PM	1:30 PM	Podium Session: Reproduction Chair: Carrie Hanna	Columbine
	1:00-1:15	<i>Reproductive Potential in Female Hamadryas Baboons (Papio hamadryas) Previously Contracepted with Melengestrol Acetate Contraceptive Implants at AZA Institutions (RACE)</i> Monica McDonald	
	1:15-1:30	<i>State of the ART: An Update on Available Assisted Reproductive Technology for Producing Live Births in the Rhesus Macaque (RACE)</i> Carrie Hanna	
1:00 PM	2:30 PM	Podium Session: Management of Research Primates (part 2) Chair: David Massey	Majestic Ballroom
	1:00-1:15	<i>Age of Weaning Correlates with Temperament in a UK Group Housed Breeding Facility of Rhesus Macaques (Macaca mulatta)</i> David Massey	
	1:15-1:30	<i>An Evaluation of the Impact of Pregnancy on the Expression of Alopecia in Rhesus Macaques</i> Brittany Peterson	
	1:30-1:45	<i>The Relationship Between Matriline Fragmentation, Groom Community Membership, and Agonistic Behavior in Captive Rhesus Macaque (Macaca mulatta) Social Groups: A Cross-Center Comparison (RACE)</i> Brianne A. Beisner	
	1:45-2:00	<i>Analyses of Breeding Group Formation Techniques of Pigtail Macaques (Macaca nemestrina) (RACE)</i> Jessica E. Toscano	
	2:00-2:15	<i>New Pairs of Captive Titi Monkeys (Plecturocebus cupreus) Demonstrate Lower Nighttime Activity Across Their First Week of Pairing (RACE)</i> Chloe L. Karaskiewicz	
	2:15-2:30	<i>Maternal Characteristics Associated with Infant Survival in Captive Marmosets (Callithrix jacchus) (RACE)</i> Corinna N. Ross	

1:30 PM	2:15 PM	Podium Session: Foraging Behavior of Wild Primates Chair: Griëtte van der Heide	Columbine
	1:30-1:45	<i>How Well Do Potential Owl Monkey (Aotus azarae) Food Resources Fit the Resource Distribution "Monogamy Bill"? Griëtte van der Heide</i>	
	1:45-2:00	<i>Effects of Seasonality on Tool-Use by Nigeria-Cameroon Chimpanzees (Pan troglodytes ellioti) for Driver Ant Predation in Kom-Wum Forest Reserve, North-West Cameroon Chefor Fotang</i>	
	2:00-2:15	<i>Patterns of Hydration Status and Drinking Frequency in Wild Chimpanzees (Pan troglodytes schweinfurthii) of Gombe National Park, Tanzania Rachel S. Nelson</i>	
2:30 PM	3:00 PM	Afternoon Break	Majestic Foyer
3:00 PM	5:00 PM	Business Meeting	Columbine
6:00 PM	11:00 PM	Closing Banquet	Grand Ballroom

Poster Session – Saturday, August 27 – 5:30-7:30 PM – Majestic Ballroom

P2	Whom Do Eponyms Honor? An Analysis Of and Call to Rethink Primate Naming Practices Elaine E. Guevara
P3	Switching Studies: Primatology in a COVID-19 World Kaelyn M. Dobson
P4	Dare 2 Care: Promoting Compassion Satisfaction and Managing Compassion Fatigue in Animal Research Settings Rita U. Bellanca
P5	CARE: Compassion, Awareness, Resilience, and Empathy at the National Primate Research Centers Rita U. Bellanca
P6	Reluctant Allonursing of a Dominant Female Chimpanzee's Weaned Offspring by a Low-Ranking Mother at Fongoli, Senegal Carson Black
P7	Preferences for Social Signals Predicts Fitness Components in Free-Ranging Rhesus Macaques Phoebe Evans
P8	Sex Differences in Social Play Mirror Differences in Adult Social Strategies Among Wild East African Chimpanzees (<i>Pan troglodytes schweinfurthii</i>) Isabelle Monroe
P9	Good Snakes Are Hard to Find: Variability in Primates' Reactions to Snake Models Nancy Caine
P10	Differences in Social Attention as a Result of Exogenous and Endogenous Oxytocin in Tufted Capuchin Monkeys Meg J. Sosnowski
P11	The Mobility Scoring System (MSS) Applied to Captive Olive Baboons (<i>Papio anubis</i>) Sarah J. Neal Webb
P12	An Evaluation of Two Methods for Assessing Chimpanzees' Fluency of Movement: Applications for Monitoring Health and Welfare Benjamin R. Lake
P13	Describing Behavioral Data of Macaques with Chronic Clinical Issues in Relation to Comparable Animals Without Clinical Concerns Tamara Aird
P14	A Case Study of L-Tryptophan Supplementation to Reduce Aggression in a Socially-Housed Male Cynomolgus Macaque Marissa Janavaris
P15	Optimizing Distribution of Environmental Enrichment in Group Housed Pigtail Macaques (<i>Macaca nemestrina</i>) Jessica E. Toscano
P16	Use of Positive Reinforcement Training to Reduce Feces Painting in Rhesus Macaques Adriane Maier
P17	An Evaluation of Behavioral Management Program Goals Regarding Enrichment for Singly-Housed Rhesus Macaques Jaine E. Perlman
P18	Evaluation of Enrichment Swings for Indoor Pen-Housed Groups of Juvenile Pigtail Macaques, <i>Macaca nemestrina</i> Grace H. Lee
P19	Reward-Based Decision Making in Freely-Moving Laboratory-Housed Common Marmosets (<i>Callithrix jacchus</i>) Erin G. Schoenbeck
P20	Infant Mortality as a Factor of Their Parents' Pairing and Parenting Experience and the Effect of Reduced Human Contact and Behavioral Testing on Infant Independence in Captive Titi Monkeys (<i>Plecturocebus cupreus</i>) Paige M. Petschl
P21	Cradling and Nursing Side Bias in Captive Rhesus Monkeys (<i>Macaca mulatta</i>) Cole Clawson
P22	Dam-Related Factors Play a Significant Role in Predicting Infant Mortality in Four Eulemur Species in Managed Care Monica McDonald
P23	Reproductive Tract Neoplasia in Female Western Lowland Gorillas (<i>Gorilla gorilla gorilla</i>) Under Managed Care Anneke Moresco
P24	Serum Vitamin D in Sanctuary Chimpanzees (<i>Pan troglodytes</i>) in Range Countries: A Pilot Study Anneke Moresco
P25	iSTAT Comparisons Between Chimpanzees (<i>Pan troglodytes</i>) in Range and Non-Range Countries: a Pilot Study Kimberly Ange-van Heugten
P26	Age-Related Changes in Clinical Biomarkers from Chemistry Profiles and Complete Blood Count Values in 334 Marmosets Lidia M. Cervantes
P27	Sensitivity to the NMDA-Antagonist Ketamine is Associated with Alcohol Intake in Laboratory-Living Rhesus Macaques (<i>Macaca mulatta</i>) Ellie L. Brimhall
P28	Biological Validation of a Fecal Immunoglobulin A (fIGA) Immunoassay for Zoo Living Black Howler Monkeys (<i>Alouatta caraya</i>) Abigail McClain
P29	A comparison of Urine Glucose Levels in Diabetic Geoffroy's Marmosets (<i>Callithrix geoffroyi</i>) at Denver Zoo Before and After Receiving Frequent Insulin Injections Kathryn Glatfelter - <i>WITHDRAWN</i>
P30	Training a Diabetic Female Mandrill (<i>Mandrillus sphinx</i>) at the Denver Zoo for Glucometer Readings Using Positive Reinforcement Tia Hildebrandt
P31	Current Approaches to Assessing Captive Chimpanzee (<i>Pan troglodytes</i>) Welfare Laura Angley
P32	Activity and Proximity Patterns in Mixed-Species and Same-Species Pairs of Siamangs (<i>Symphalangus syndactylus</i>) at Denver Zoo, ZooTampa, and Cape May County Zoo Amy L. Schreier
P33	Consistency of Hand Preference Across Motor Tasks in Free-Ranging Habituated Long-Tailed Macaques (<i>Macaca fascicularis</i>) M. Karen Hambricht

P34	Relationships Between Walking Speed and Chronological, Epigenetic, and Accelerated Age in Captive Olive Baboons (<i>Papio anubis</i>) Shannon Whitney
P35	White Matter Fractional Anisotropy in Captive Cynomolgus Macaques (<i>Macaca fascicularis</i>): Relationships with Social Status and Physiologic Measures of Stress Responses Brett M. Frye
P36	Application of Source-Based Morphometry to Identify Gray Matter Covariance Across Three Macaque Species Yufan Ye
P37	Planum Temporale Grey Matter Asymmetries in Great Apes from Magnetic Resonance Images Angela Achorn
P38	Age and Cognitive Function in Common Marmosets (<i>Callithrix jacchus</i>): An Increase in Errors During the Detoured Reach Task Lori A. Alvarez
P39	Neural Correlates of Delay of Gratification in Captive Chimpanzees (<i>Pan troglodytes</i>) Chelsea M. Cox
P40	Measuring Executive Function in Aging Marmosets with the Conveyor Task Addaline E. Alvarez

Virtual Podium Presentations – available ON DEMAND only

Examination of Published Measurement Data Used to Study Locomotor Adaptation in the Anthropoid Primate Fossil Record Thomas Rein
Crop-Feeding Behavior of Panamanian White-Faced Capuchins on Maize Plantations in Southwestern Panama Luz Loría
Ambient Poor Air Quality from Nearby Wildfires Linked to Pregnancy Loss and Infant Respiratory Problems of Outdoor Laboratory-Housed Macaques Andrew Haertel
Dog Barks Influence the Behavior and Stress Physiology of Wild Mantled Howler Monkeys at Los Tuxtlas Pedro Dias
Different Navigational Strategies Found for Strepsirrhines and Haplorhines Suggest a Phylogenetic Divide or May Be a Result of Ecology Julie Teichroeb
Exploring Tuberculosis Infection in Free-Ranging Long-Tailed Macaques (<i>Macaca fascicularis</i>) in Thailand Using Social Network Analysis Nalina Aiempichitkijkarn
Engaging Young Learners and Evaluating Impact of In-Situ Conservation Education in DR Congo Laurie Cummins
Sociability and Disease Transmission: Evolutionary Ecology and Parasitism in Japanese Macaques Zhihong Xu
Investigating the Link Between Genetic Diversity and a Gastrointestinal Illness in Ring-Tailed Lemurs from St. Catherines Island Joyce Parga
The Honeymoon Has Just Begun: Social Interactions Between Newly Paired Owl Monkeys (<i>Aotus nancymae</i>) Carly Miles
First assessment of salivary proteome in a zoo-living frugivorous primate, <i>Ateles geoffroyi</i> Fabiola Espinosa-Gómez
Understanding Variability in Crop Foraging by Himalayan Langurs (<i>Semnopithecus schistacesus</i>) and Other Wildlife Species Using Direct Observation and Camera Traps in an Anthropogenic Landscape Virendra Mathur
How the American Society of Primatologists Began Joseph Erwin

Virtual Poster Presentations – available ON DEMAND only

An Online Repository of Spectrographic Depictions of Primate Vocal Repertoires David Schruth
Does Observing Aggression Influence the Behavior of Bystanders in Semi-Free Ranging Barbary Macaques? Rachel Blood
Bimanual Clapping Gestures While Nest-making by a Juvenile Third-Generation Captive Bonobo (<i>Pan paniscus</i>) at the San Diego Zoo Patrick Neary
Automated Detection of Behaviors Used to Assess Temperament in Laboratory Rhesus Macaques Giulia Ciminelli
Investigating Urinary Oxytocin and Affiliative Behavior in Wild Male <i>Propithecus verreauxi</i> at Kirindy Mitea National Park, Madagascar Katherine King
Coronavirus Surveillance in <i>Callithrix</i> , <i>Sapajus</i> and <i>Alouatta</i> from Urban Areas of São Paulo, Brazil Camila Molina
Distribution of Capped Langurs (<i>Trachypithecus pileatus</i>) in Bhutan Kelsie Strong
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