



ASP 2023 Reno, NV June 20-23, 2023

Abbreviated Printable Schedule

Please refer to the online schedule for more details and updates.



Tuesday June 20, 2023

6:00 PM 8:00 PM **Opening Reception: National Auto Museum (1 Museum Drive Reno, NV 89501)**

Wednesday June 21, 2023

Welcome and Distinguished Primatologist's Address

8:00 AM 8:30 AM President's Welcome
 8:30 AM 9:00 AM Student Award Blitz & Exhibitor Blitz
 9:00 AM 10:00 AM The Multi-Paths of a Primatologist

Whitney Peak 1 & 2

Toni Ziegler

Session: Aging

10:30 AM 10:45 AM Age-related Changes in Gait Performance in Captive Marmosets (*Callithrix jacchus*)
 10:45 AM 11:00 AM Age, health, and fluid retention in the common marmoset (*Callithrix jacchus*)
 11:00 AM 11:15 AM Consideration of Extrinsic Factors in Aging Research With Primates
 11:15 AM 11:30 AM Relationships between AD-related neuroanatomy and cognitive, physical, and social aging in female vervets (*Chlorocebus sabaeus*)
 11:30 AM 11:45 AM Understanding how transferring between institutions affects the geriatric marmoset gut microbiome

Whitney Peak 2 & 3

Aaryn Mustoe

Juan Pablo Arroyo

Melissa Gerald

Carol Shively

Alexana Hickmott

Session: Colony Management & Welfare

10:45 AM 11:00 AM Building resiliency in your staff– Using connection in a three-branched approach
 11:00 AM 11:15 AM Automated Methodologies Used To Improve Rhesus Macaques' Welfare In A Breeding Colony
 11:15 AM 11:30 AM Does Male Rhesus Macaque Behavior in All-Male Cohorts Predict Success when Introduced to Female Groups?
 11:30 AM 11:45 AM Compassion Fatigue in Chimpanzee (*Pan Troglodytes*) Caregivers: Prevalence, Contributing Factors, and Coping Mechanisms
 11:45 AM 12:00 PM Foraging Device Preferences in Common Marmosets (*Callithrix jacchus*)

Whitney Peak 1

Heidi Moomaw

Giulia Ciminelli

Leigh Young

Jesse Leinwand

Sara Hastings

Session: Conservation

1:00 PM 1:15 PM An analysis of non-human primates on TikTok
 1:15 PM 1:30 PM An urgent call-to-action to protect the nonhuman primates and Indigenous Peoples of the Brazilian Amazon
 1:30 PM 1:45 PM Solar Powered Primate Conservation: Linking Industry And Academy For Black Howler Monkey Conservation In Southern Mexico

Cargo Concert Hall

Kelsie Strong

Paul Garber

Jorge Ramos-Luna

1:45 PM	2:00 PM	Identifying suitable habitats for Nigeria–Cameroon chimpanzees in Kom-Wum Forest Reserve, Cameroon	Chefor	Fotang
2:00 PM	2:15 PM	Assessing habitat suitability for the Ecuadorian mantled howler (<i>Alouatta palliata aequatorialis</i>) in western Ecuador	Stella	de la Torre
2:15 PM	2:30 PM	Golden lion tamarin metapopulation dynamics 5 years after heavy losses to yellow fever	Sarah	Hankerson
2:30 PM	2:45 PM	Cultural practices and Community Values of Wildlife with a Focus on Endangered Apes (<i>Gorilla beringei graueri</i> , <i>Pan troglodytes schweinfurthii</i>) in the Eastern Democratic Republic of Congo	Mary Jo	Austin
2:45 PM	3:00 PM	Participatory Wildlife Films For Primate Conservation	Jorge	Ramos-Luna
3:00 PM	3:15 PM	Rhesus crop raiding status around the agricultural landscapes in Udam Singh Nagar and Nainital districts of Uttarakhand, India	Santosh	Sahoo

Session: Neuroscience, Physiology, and Biology

Whitney Peak 2 & 3

1:00 PM	1:15 PM	See me, feel me: Oxytocin, social contact, and physical stimulation during fur-rubbing in tufted capuchin monkeys	Meg	Sosnowski
1:15 PM	1:30 PM	Genetic Variation in Heat Shock Protein HSPA1L in Savanna Monkeys Implications for Heat Resilience	Max	Dippel
1:30 PM	1:45 PM	Mediterranean versus Western diet and the gut-brain axis: Relationships between gut <i>Oscillospira</i> abundance, plasma branched-chain amino acids, insulin resistance, and change in white matter volumes in female long-tailed macaques (<i>Macaca fascicularis</i>)	Brett	Frye
1:45 PM	2:00 PM	The Oral Microbiome of wild and captive common marmosets (<i>Callithrix jacchus</i>)	Andres	Gomez Zapata
2:00 PM	2:15 PM	Chimpanzee (<i>Pan troglodytes</i>) nasal temperature during resting behavior at different ambient temperatures	Benjamin	Lake
2:15 PM	2:30 PM	Sex differences in white matter tracts of capuchin monkey brains	Olivia	Reilly
2:30 PM	2:45 PM	Constructing a network graph of correlations between microbial taxa and fecal metabolites in the gut of captive marmosets (<i>Callithrix jacchus</i>)	Jordan	Hernandez
2:45 PM	3:00 PM	Behavioral changes in common marmosets (<i>Callithrix jacchus</i>) after antibiotic administration	Jonathan	Clayton

Symposium: Welfare Over the Lifetime of Nonhuman Primates: Concepts, Measurement Tools, and Usefulness

Whitney Peak 1

1:00 PM	1:05 PM	Methods for Assessing Nonhuman Primate Welfare over Extended Periods of Time	Mollie	Bloomsmith
1:05 PM	1:30 PM	Evaluating the cumulative and lifetime experiences of research primates: Concept introduction and assessment	Patricia	Turner
1:30 PM	1:45 PM	Do stressful events predict serum biomarker values, allostatic load, or health outcomes in African great apes?	Ashley	Edes
1:45 PM	2:00 PM	The generalized macaque welfare assessment protocol (GEN-MAC): a practical tool for assessment of welfare for macaques used or bred for research.	Melissa	Truelove

2:00 PM	2:15 PM	The Evolution of a Quality of Life Program for Nonhuman Primates	Susan Lambeth
2:15 PM	2:30 PM	Discussion	

Symposium: Primate Self-medication: Current Knowledge and Future

Whitney Peak 1

Perspectives

4:00 PM	4:15 PM	The Evolution of Animal Self-Medication from Apes to apes	Michael Huffman
4:15 PM	4:30 PM	The use of plant resources as potential self-medication in nonhuman primates	María De la Fuente Fernanda
4:30 PM	4:45 PM	Fur rubbing in two titi monkey species - potential self-medication?	Sofya Dolotovskaya
4:45 PM	5:00 PM	Are millipede secretions a common resource for self-medication against gastro-intestinal parasites in primates?	Louise Peckre
5:00 PM	5:15 PM	Fallback food hypothesis fails to explain bark stripping in the chimpanzees of Budongo forest	Elodie Freymann
5:15 PM	5:30 PM	Having meals in the drugstore: does the consumption of plant foods with medicinal properties explain the low parasite richness in a howler monkey group?	Anamélia Jesus
5:30 PM	5:45 PM	Best practices for studying geophagy: behavioral data, collection of soil samples and analyses, and experimental studies	Paula Pebsworth
5:45 PM	6:00 PM	Chimpanzees (<i>Pan troglodytes troglodytes</i>) apply insects onto open wounds of self and others: Implications for medical cognition and prosociality	Alessandra Mascaro
6:00 PM	6:15 PM	Discussion	

Session: Social Behavior

Whitney Peak 2 & 3

4:00 PM	4:15 PM	Social connection as a double-edged sword: Exploring tuberculosis infection and social connectedness in free-ranging long-tailed macaques (<i>Macaca fascicularis</i>)	Nalina Aiempichitkij karn
4:15 PM	4:30 PM	Interunit dominance relationships in a Rwenzori colobus multilevel society are non-linear but correlate with social network position	Julie Teichroeb
4:30 PM	4:45 PM	Personality influences collective movements in Tibetan macaques	Sen Ren
4:45 PM	5:00 PM	Sociodemographic attributes driving individual participation in intergroup conflict in urban rhesus macaques	Bidisha Chakraborty
5:00 PM	5:15 PM	Sex differences in the development of social play behavior in the common marmoset (<i>Callithrix jacchus</i>)	Gabriela de Faria Oliveira
5:15 PM	5:30 PM	Inequity in reward outcome affects rates of cooperation in a group barpull task in capuchin monkeys	Jhonatan Saldana
5:30 PM	5:45 PM	Deviation from Youngest Ascendancy in Captive Rhesus Macaque Groups Predicts Trauma Risk	Brianne Beisner
5:45 PM	6:00 PM	Neighbors affect mother's visual monitoring in Tibetan macaques	Shen-Qi Liu

6:00 PM 7:00 PM DEI Social Hour

Whitney Peak Prefunction B

7:00 PM 8:30 PM Student Mixer

Whitney Peak Prefunction B

Thursday June 22, 2023

Keynote Address

9:00 AM 10:00 AM Decoding primate lifeways to map ancient trade routes

Whitney Peak 1 & 2

Nathaniel Dominy

Session: Welfare & Health

10:30 AM 10:45 AM Captive housing features influence on the gut microbiome of squirrel monkeys (*Saimiri*).

10:45 AM 11:00 AM Neutrophil to Lymphocyte Ratio in Baboons (*Papio anubis*)

11:00 AM 11:15 AM Comparing methods for incorporating single-dose diazepam administration into pair introduction procedures for caged adult male rhesus macaques (*Macaca mulatta*)

11:15 AM 11:30 AM Housing type during the juvenile period and risk of developing abnormal behaviors in captive rhesus macaques (*Macaca mulatta*)

11:30 AM 11:45 AM Performance of Previously Trained Behaviors as a Potential Welfare Indicator for Laboratory Housed Rhesus Macaques (*Macaca mulatta*)

Whitney Peak 1

Kaelyn Dobson

Sarah Neal

Kate Baker

Allison Heagerty

Selena Guerrero-Martin

11:00 AM 12:00 PM ASP Student Committee Workshop - Interdisciplinary Applications

Whitney Peak 2 & 3

Session: Ecology & Behavior

1:00 PM 1:15 PM Gastrointestinal Helminth And Protozoa Prevalence And Species Richness In A Baboon (*Papio sp.*) Hybrid Zone

1:15 PM 1:30 PM Distributed leadership among endangered blond capuchins (*Sapajus flavius*) in a forest fragment in Northeastern Brazil

1:30 PM 1:45 PM Compromisers matter for group movements in Tibetan macaques

1:45 PM 2:00 PM Preliminary results on landscape attributes effects on the Blond titi monkey (*Callicebus barbarabrownae*) group density in Bahia and Sergipe states, Brazil

2:00 PM 2:15 PM Rhesus macaques do not show sex differences in toy preferences in choice tests

2:15 PM 2:30 PM Through the Looking-Glass: Life History Trade-offs Not as Predicted in Wild Chimpanzees (*P. t. schweinfurthii*)

2:30 PM 2:45 PM Investigating physical effort discounting in rhesus macaques (*Macaca mulatta*)

2:45 PM 3:00 PM Primates and disability: Implications for resilience to environmental change

Whitney Peak 2 & 3

Christine Tuailon

Jack Creeggan

Xi Wang

Bianca Guerreiro

Florent Pittet

Sarah Phillips

Paige Petschl

Brogan Stewart

Symposium: Veterinary and Behavioral Management of Socially Housed Primates

1:00 PM 1:15 PM Convergence of Clinical Care and Socialization Considerations in a Breeding Facility

1:15 PM 1:30 PM Wounding rates in socially housed zoo primates

1:30 PM 1:45 PM Promoting Primate Social Housing Even in Challenging Scenarios

Whitney Peak 1

Jessica Toscano

Christina Doelling

Jennifer Camacho

1:45 PM	2:00 PM	Co-housing of laboratory <i>Macaca fascicularis</i> after telemetry implant surgery	Christoph Blau
2:00 PM	2:15 PM	Temporarily paired rhesus macaques in a research primate hospital setting	Andrew Haertel
2:15 PM	2:30 PM	The significance of social housing for macaques in infectious disease research	Natalie Castell
2:30 PM	2:45 PM	Biobehavioral management	Joanne Morris
2:45 PM	3:00 PM	Balancing the physical and psychological health of primates, behaviorists, and veterinarians during socializations	Eric Hutchinson
3:00 PM	3:15 PM	Integrative Management of Socially Housed Chimpanzees (<i>Pan troglodytes</i>)	Raven Jackson
3:15 PM	3:30 PM	Discussion	
Roundtable			Whitney Peak 1 & 2
4:00 PM	5:30 PM	To Avoid Hostile Work Environments, We Must Promote Appropriate and Identify Inappropriate Professional Behavior	Paul Garber
5:35 PM	6:30 PM	Student Speed Networking	Whitney Peak 1 & 2
Poster Session			Cargo Concert Hall
	6:30 PM – 8:30 PM		
		The use of field philosophy in conserving the world's rarest ape, the Hainan gibbon (<i>Nomascus hainanus</i>): A philosophical engagement with researchers and conservationists	Jocelyn Callahan
		Seeing is believing: Repeated exposure to anthropomorphic images of marmosets (<i>Callithrix jacchus</i>) fosters the belief that they make good pets	Marielle Castaneda
		Out of Sight, Not Out of Mind: Investigation of Opaque Cage Walls on Intragroup Aggression in Breeding Groups of Rhesus Macaques	Jaclyn Allen
		Validating the Use of Saliva Samples To Measure Stress Responses in Captive Ruffed Lemurs (<i>Varecia spp.</i>)	Raymond Vagell
		Comparing simple cores: the gut microbiome of captive housed <i>Saimiri</i>	Kaelyn Dobson
		Evaluating Mirror-Guided Behaviors in Hylobatids (<i>Hylobates pileatus</i> , <i>H. lar</i> , and <i>Symphalangus syndactylus</i>)	Desi Peck
		Response of gut microbiota of Tibetan macaque to human disturbance	Yingna Xia
		Effects of Species Maturation Rate on the Approximate Number System in Rhesus Macaques (<i>Macaca mulatta</i>) and Humans	Alessandra Silva
		Safety, efficacy, and recovery of Dexmedetomidine hydrochloride as an adjunct sedative in cynomolgus macaques (<i>Macaca fascicularis</i>)	Jennifer Makar
		The impact of the presence and absence of an elder female on solitary and social behaviors of mandrills (<i>Mandrillus sphinx</i>)	Lindsay Mahovetz-Myers
		Identifying paternal behavior in captive Sumatran (<i>Pongo abelii</i>) and hybrid orangutans (<i>Pongo pygmaeus x abelii</i>)	Lilith Frakes
		Positive reinforcement training (PRT) to elicit voluntary presentation for subcutaneous injection of a series of SARS-CoV-2 vaccines to captive chimpanzees (<i>Pan troglodytes</i>)	Jennifer Bridges
		Can Proximity Networks Be A Substitute For Grooming Networks In Analysis Of Matriline Social Cohesion?	Monique Morgan

Administering Probiotic Yogurt to Decrease Aggression in Captive Group-Housed Olive Baboons (<i>Papio anubis</i>)	Kristina Grove
Agonistic and Affiliative Interactions of High-Ranking Male Chimpanzees at the North Carolina Zoo	Maegan Ferguson Deana
Cooperative training mitigates stress dependent perturbations of the cynomolgus macaque immune system to enhance scientific accuracy towards clinical translation and improve welfare	Scott Oppler
Diversity Among Gorillas: Comparing The Anatomy And Ecology Of <i>Gorilla Gorilla Gorilla</i> And <i>Gorilla Beringei Beringei</i>	Chelsea Thompson
Behavioral management as a coping strategy for managing stressors in primates: the influence of temperament and species	Sierra Palmer
Challenges and benefits of increasing inclusivity in comparative primatology, illustrated with a study of joint attention	Kim Bard
Extra-Ovarian Estrogens Facilitate Female Sexual Behavior in Captive Rhesus Macaques (<i>Macaca mulatta</i>)	Emily Greinwald
Investigating hand laterality in the common marmoset (<i>Callithrix jacchus</i>) as a potential marker for subsequent learning performance.	Tamara Aird
Enhancing physical environments in a standard quad cage footprint: A profile of c-tunnel use in two macaque species.	Michele Rosga
Nighttime Behavior of Newly Paired Rhesus Macaques (<i>Macaca mulatta</i>) as a Predictor of Pair Success	Lauren Cassidy
Exploring Alternative Approaches to Assessing Environmental Enrichment for Caged Rhesus Macaques (<i>Macaca mulatta</i>)	Sendrea Best
Behavior Changes After a Group Member Death in Captive Tufted Capuchins (<i>Sapajus [Cebus] apella</i>)	Catherine Weyman Heller
Generating an agent-based model to assess social transmission of behavior across a typified chimpanzee (Pan troglodytes) network.	Abigail McClain
Rapamycin Effects on Locomotion, Cognition, and Behavior in the Geriatric Common Marmoset	Lidia Cervantes
Feeding Choice and Tree Size in Mantled Howler Monkeys, <i>Alouatta palliata</i> , At La Suerte Biological Field Station	GraceAnne Nelson
Repeatability of Biobehavioral Assessments in captive rhesus macaques (<i>Macaca mulatta</i>) over a two year period	Alexander Pritchard
Certain but Unstable: Variation in Dominance Rank and Certainty Across Time in Captive Rhesus macaques	Rosemary Blerch
Age-related changes in the social networks of captive capuchin monkeys (<i>Cebus [Sapajus] apella</i>)	Amanda Gellis
Validation of Multiple Steroid Hormones Using a Single, Simplified, and Low-Cost Hair Extraction Procedure	Aaryn Mustoe
Activity budget, diet, and enclosure use patterns of a bachelor group of gelada monkeys (<i>Theropithecus gelada</i>) at the San Diego Zoo	Bradley Christin

Friday June 23, 2023

Keynote Address

9:00 AM 10:00 AM The Role of the Keeling Center in Primate Research and Wellbeing

Whitney Peak 1 & 2

Steven Schapiro

Roundtable

10:30 AM 11:45 AM Make your Voice Heard ASP! Presidents' Town Hall - The Past, the Present, and the Future of ASP and Primatology

Whitney Peak 1 & 2

Matthew Novak

Session: Learning, Cognition, & Language**Whitney Peak 2 & 3**

1:00 PM 1:15 PM File, Save, Forget: Cognitive Offloading in Non-Human Primates

1:15 PM 1:30 PM Added complexity inhibits tufted capuchin monkeys' (*Sapajus [Cebus] apella*) selection of ephemeral options in a dichotomous choice task

1:30 PM 1:45 PM Leveraging Comparative Cognitive Development to Understand the Primate Mind

1:45 PM 2:00 PM Attentional biases towards familiar and unfamiliar conspecifics in Japanese macaques (*Macaca fuscata*), chimpanzees (*Pan troglodytes*), and western lowland gorillas (*Gorilla gorilla gorilla*)

2:00 PM 2:15 PM Information seeking by brown capuchins on a two-choice tube task

2:15 PM 2:30 PM To think or not to think: Dual process models and primate decision making

2:30 PM 2:45 PM The use of gesture forms within sequence in free-living chimpanzees (*Pan troglodytes schweinfurthii*) in Gombe National Park, Tanzania

Stella Mayerhoff

Matthew Babb

Stephen Ferrigno

Priyanka Joshi

Peter Judge

Julie Teichroeb

Caroline Ratliff

Symposium: Individualized Care of Nonhuman Primates**Whitney Peak 1**

1:10 PM 1:15 PM Welcome

1:15 PM 1:30 PM Individually Tailored Strategies For the In-Place Retirement of Surplus and Former Research Primates

1:30 PM 1:45 PM Behavioral improvement of three ex-pet chimpanzees after a decade of sanctuary housing

1:45 PM 2:00 PM Delivering customized care in primates

2:00 PM 2:15 PM Examining interventions to reduce reactivity in a zoo-housed male Francois langur using behavior and physiology

2:15 PM 2:30 PM Temperament and individualized behavioral management for macaques

2:30 PM 2:45 PM Treatment of self-injurious behavior as a function of the animal's ontogeny and expected trajectory

2:45 PM 3:00 PM Successfully Implementing Individualized Care at a Sanctuary with 230 Chimpanzees (*Pan troglodytes*)

3:00 PM 3:15 PM Rhesus macaque personality and well-being from infancy to adulthood

Lydia Hopper

Olga Feliu

Melanie Graham

Ashley Edes

Kris Coleman

Eric Hutchinson

Andrew Halloran

Lauren Robinson

3:30 PM 4:30 PM Business Meeting

Cargo Concert Hall

4:30 PM 5:00 PM Close of the Silent Auction

Mt. Rose

6:00 PM 12:00 AM Closing Banquet

Whitney Peak Ballroom