

The 41st Meeting of the American Society of Primatologists

Scientific Program

Wednesday, August 8, 2018 : Day 1

- 08:00 AM-05:30 PM:** PRE-MEETING WORKSHOP ON POSITIVE REINFORCEMENT TRAINING FOR PRIMATE VETERINARY CARE (Southwest National Primate Research Center) [event: 1]
- 11:30 AM-01:00 PM:** BOARD OF DIRECTORS MEETING (Frio) [event: 2]
- 12:00 PM-07:00 PM:** REGISTRATION DESK OPEN (Regency Center) [event: 3]
- 01:00 PM-02:00 PM:** PROGRAM COMMITTEE MEETING (Frio) [event: 4]
- 01:00 PM-03:00 PM:** EDUCATION COMMITTEE MEETING (Medina) [event: 6]
- 01:00 PM-03:00 PM:** PRIMATE CARE COMMITTEE MEETING (Nueces) [event: 7]
- 01:00 PM-03:00 PM:** MEMBERSHIP AND FINANCE COMMITTEE MEETING (Llano) [event: 5]
- 01:00 PM-03:00 PM:** STUDENT COMMITTEE MEETING (Pecos) [event: 8]
- 02:00 PM-03:00 PM:** MEDIA AND PUBLIC ENGAGEMENT COMMITTEE MEETING (Blanco) [event: 9]
- 03:00 PM-05:00 PM:** AWARDS AND RECOGNITION COMMITTEE MEETING (Nueces) [event: 13]
- 03:00 PM-05:00 PM:** CONSERVATION COMMITTEE MEETING (Llano) [event: 12]
- 03:00 PM-05:00 PM:** RESEARCH AND DEVELOPMENT COMMITTEE MEETING (Pecos) [event: 10]
- 03:00 PM-05:00 PM:** PUBLICATIONS COMMITTEE MEETING (Frio) [event: 11]
- 04:30 PM-05:00 PM:** SILENT AUCTION SETUP (Regency East 2) [event: 14]
- 06:00 PM-09:00 PM:** OPENING RECEPTION (La Vista Terrace) [event: 15]

Thursday, August 9, 2018 : Day 2

- 08:00 AM-06:00 PM:** EXHIBITORS OPEN (Regency Center) [event: 18]
- 08:00 AM-07:00 PM:** SILENT AUCTION (Regency East 2) [event: 16]
- 08:00 AM-08:00 PM:** REGISTRATION DESK OPEN (Regency Foyer) [event: 17]
- 08:30 AM-08:45 AM:** PRESIDENT'S WELCOME (Regency West 1/3) [event: 19]
- 08:45 AM-09:00 AM:** DATA BLITZ (Regency West 1/3) [event: 20]
- 09:00 AM-10:00 AM:** LEGACY AWARD ADDRESS: FROM BOWEL TO BRAIN: GUT MICROBIOTA DIVERSITY AND CHRONIC HPA AXIS ACTIVITY ACROSS DEVELOPMENT IN RHESUS MONKEYS Amanda Dettmer (Regency West 1/3) [event: 21]
- 10:00 AM-12:30 PM:** SYMPOSIUM: A SMALL WINDSTORM CALLED MARIA: IMPACT ON THE CARIBBEAN PRIMATE RESEARCH CENTER IN PUERTO RICO Chair: Bernadette Marriott (Regency West 1/3) [event: 22]

- 10:00 AM** THE CARIBBEAN PRIMATE RESEARCH CENTER: OVERVIEW OF FACILITIES, RESEARCH FOCII AND CURRENT CHALLENGES AFTER HURRICANE MARIA. M.I. MARTÍNEZ CARIBBEAN PRIMATE RESEARCH CENTER, MEDICAL SCIENCES CAMPUS, UNIVERSITY OF PUERTO RICO, PO BOX 365067, SAN JUAN, PR 00936
M. I. Martinez[event:23] [abstract: 13147]
- 10:15 AM** PHYSICAL CHANGES TO CAYO SANTIAGO AND ASSEMBLY OF DATA TO CREATE AN UPDATED MAP OF THE ISLAND
R. W. Marriott, III, R. W. Marriott, Jr., B. P. Marriott[event:24] [abstract: 13188]
- 10:30 AM** CAYO SANTIAGO: COMPARISON OF VASCULAR PLANTS, VEGETATION ZONES AND PLANT FOOD RESOURCES BEFORE AND AFTER HURRICANE MARIA
B. P. Marriott, D. R. Boler, L. Trudel, B. Giura[event:25] [abstract: 13187]
- 10:45 AM** THE RHESUS MACAQUE (*MACACA MULATTA*) POPULATION OF CAYO SANTIAGO POST-HURRICANE MARIA: SOCIAL GROUPS, DISTRIBUTION, CURRENT RESEARCH SITUATION
A. V. Ruiz-Lambides, B. Giura, G. Caraballo[] [abstract: 13134 poster #]
- 11:00 AM** RELIEF AND RECOVERY ACTIVITIES CONDUCTED BY THE BETTER RESEARCH, BETTER LIFE FOUNDATION (BRBLF) IN COLLABORATION WITH THE CARIBBEAN PRIMATE RESEARCH CENTER (CPRC)
J. L. VANDEBERG, B. Predovich, M. I. Rodriguez, C. A. Sariol, M. Khan[event:27] [abstract: 13220]
- 11:15 AM** 3RS FOR THE CPRC/PROJECT MONKEY ISLAND: CONCEPTS AND PROGRESS
S. J. Schapiro, M. Skrabut La Pierre, A. Ruiz-Lambides[event:28] [abstract: 13118]
- 11:30 AM** CAYO SANTIAGO AS A LONG-TERM SITE FOR BEHAVIORAL AND COGNITIVE RESEARCH AND EFFORTS TO PRESERVE IT
A. M. Arre, L. R. Santos[event:29] [abstract: 13112]
- 11:45 AM** THE VALUE OF LONG TERM DATA COLLECTION AND LIFE HISTORY TRACKING AND PRESERVATION: THE UNIQUE CPRC, UNIVERSITY OF PUERTO RICO MONKEY SKELETAL COLLECTION

	D. R. Bolter, J. E. Turnquist, T. B. Kensler[event:30] [abstract: 13114]
10:00 AM-12:30 PM:	SYMPOSIUM: PAIR HOUSING MACAQUES IN A RESEARCH ENVIRONMENT Chair: Kristine Coleman (Regency East 3) [event: 31]
10:00 AM	A COMPREHENSIVE PROGRAM TO MANAGE MACAQUE PAIRS: BEHAVIOR, ENRICHMENT, ANIMAL TRAINING AND OPERATIONAL ADJUSTMENTS J. E. Perlman, M. A. Truelove, A. N. Franklin, M. A. Bloomsmith[event:32] [abstract: 13170]
10:15 AM	SOCIAL HOUSING OF SIMIAN IMMUNODEFICIENCY VIRUS INFECTED MACAQUES K. Metcalf Pate, S. Guerrero-Martin, K. McGee, L. Rubin[event:33] [abstract: 13211]
10:30 AM	PAIR HOUSING IN PIGTAILED MACAQUES (<i>MACACA NEMESTRINA</i>) FOLLOWING TRANSPORT TO A NEW FACILITY: EFFECTS OF TIMING K. C. Baker, O. Pomerantz[event:34] [abstract: 13139]
10:45 AM	OXYTOCIN AND PAIR COMPATIBILITY IN MALE RHESUS MACAQUES (<i>MACACA MULATTA</i>) M. R. Berg, A. Heagerty, K. Coleman[event:35] [abstract: 13174]
11:00 AM	USE OF REGRESSION TREE MODELING TO PREDICT PAIR SUCCESS IN RHESUS MACAQUES (<i>MACACA MULATTA</i>) A. Heagerty, C. Johnson, K. Coleman[event:36] [abstract: 13128]
11:15 AM	IT TAKES A VILLAGE: A TEAM BASED APPROACH TO PAIR MAINTENANCE D. H. Gottlieb, A. Heagerty, R. A. Wales[event:37] [abstract: 13169]
11:30 AM	EFFECTS OF CONTINUOUS AND INTERMITTENT SOCIAL CONTACT ON THE WELFARE OF RHESUS MACAQUES (<i>MACACA MULATTA</i>) O. Pomerantz, D. L. Hannibal, A. M. Day, T. A. Ojakangas, H. L. Cook, A. Ardeshir[event:38] [abstract: 13208]
11:45 AM	SOCIAL PARTNERS MITIGATE INACTIVITY LEVELS IN INTERMITTENTLY PAIR HOUSED ADULT FEMALE RHESUS MACAQUES (<i>MACACA MULATTA</i>) D. L. Hannibal, L. C. Cassidy, J. J. Vandeleest, S. Semple, B. McCowan[event:39] [abstract: 13235]
12:00 PM-01:30 PM:	LUNCH ON YOUR OWN (Regency Center) [event: 40]

01:30 PM-02:30 PM:	ROUNDTABLE: THE FUTURE OF DATA SHARING IN PRIMATOLOGY Chair: Karen Bales (Regency West 1/3) [event: 41]
02:45 PM-04:00 PM:	SYMPOSIUM: SIMPOSIO EN ESPANOL (English Subtitles) Chair: Rocio Arias Del Razo (Regency East 1) [event: 47]
02:45 PM	LONG TERM EFFECTS OF CHRONIC INTRANASAL OXYTOCIN ON MALE MATE-GUARDING, PARTNER PREFERENCE AND SEPARATION RESPONSE R. A. Del Razo, M. Floch , K. L. Bales[event:48] [abstract: 13214]
03:15 PM	FIRST REPORT ON FARMERS' PERCEPTIONS TOWARD CROP FEEDING BEHAVIOUR OF WHITE-FACED MONKEY (<i>CEBUS IMITATOR</i>) IN SOUTHWESTERN PANAMA L. I. Loría Amores, K. Morán Guerra, J. C. Serio Silva[event:50] [abstract: 13182]
03:45 PM	WHITE-FACE CAPUCHIN (<i>CEBUS CAPUCINUS IMITATOR</i>) RESPONSES TO PREGNANCY & LACTATION: WHAT ROLES DO THE GUT MICROBIOTA PLAY? S. E. Webb, J. D. Orkin, A. D. Melin[event:52] [abstract: 13184]
02:45 PM-05:00 PM:	SYMPOSIUM: NO LONGER CHILDREN: THE STATE OF NONHUMAN PRIMATE RESEARCH Chair: Elizabeth Wood (Regency West 1/3) [event: 42]
02:45 PM	PERSONALITY J. P. Capitanio[event:43] [abstract: 13113]
03:15 PM	HERITABILITY OF, AND RELATIONSHIPS BETWEEN, VARIOUS BEHAVIORAL PHENOTYPES ASSOCIATED WITH ANXIOUS BEHAVIOR IN NONHUMAN PRIMATES J. L. Cameron[event:44] [abstract: 13226]
03:45 PM	CURRENT STATUS AND NEAR-TERM PROSPECTS FOR PRIMATE GENOMICS J. Rogers[event:45] [abstract: 13133]
04:15 PM	USING IN VIVO NEUROIMAGING TO STUDY INDIVIDUAL AND PHYLOGENETIC VARIATION IN PRIMATE BRAINS W. D. Hopkins[event:46] [abstract: 13245]
04:00 PM-05:00 PM:	SESSION: CONSERVATION Chair: Michelle Bezanson (Regency East 1) [event: 53]
04:00 PM	CANCELLED

PREVENTION OF TRASH-RAIDING BEHAVIOR BY
FREE-RANGING WHITE-FACED CAPUCHIN MONKEYS (*CEBUS*
04:15 PM *CAPUCINUS*)

M. Baker[event:55] [abstract: 13219]

04:30 PM

PRIMATE CONSERVATION PROGRAM THROUGH
ARTS-AND-SCIENCE BASED EDUCATION

M. Franquesa-Soler, L. Jorge-Sales, P. Moreno-Casasola, J.
Serio-Silva[event:56] [abstract: 13180]

05:00 PM-07:00 PM: EXECUTIVE COMMITTEE MEETING (Chula Vista) [event: 57]

06:00 PM-08:00 PM: POSTER SESSION (Regency Center) [event: 58]

Behaviour

*COGNITIVE AND LEARNING BEHAVIOUR IN NON-HUMAN
PRIMATE WITH SPECIAL REFERENCE OF HANUMAN LANGUR,
SEMNOPIITHECUS ENTELLUS IN AND AROUND JODHPUR
(RAJASTHAN) INDIA\$*

G. SHARMA, L. RAJPUROHIT[event:59] [abstract: 13117]

SOCIAL HAIR PLUCKING IN CAPTIVE BONOBO (*PAN
PANISCUS*) IS UNRELATED TO DOMINANCE AND KINSHIP

C. M. Brand, L. F. Marchant[event:60] [abstract: 13125]

HEADS YOU LOSE: THE IMPORTANCE OF VARIOUS SNAKE
FEATURES IN AVOIDANCE REACTIONS BY RHESUS MONKEYS
(*MACACA MULATTA*).

M. M. Mulholland, S. J. Neal Webb, S. J. Schapiro, N. G. Caine[event:61]
[abstract: 13135]

VARIATION IN INTRA-PAIR COMMUNICATION DUET
VOCALIZATIONS DUE TO CHRONIC INTRANASAL OXYTOCIN
EXPOSURE

A. R. Lau, A. Baxter, M. Crofoot, K. Bales[event:62] [abstract: 13140]

CONCORDANCE OF CAPTIVE JAPANESE MACAQUE (*MACACA
FUSCATA*) MOTHER PERSONALITY WITH INFANT BEHAVIORS

K. N. Gartland, I. Minton, F. J. White[event:63] [abstract: 13173]

GROOMING NETWORK REVEALS INTERSEXUAL SOCIAL
RELATIONSHIPS IN TIBETAN MACAQUES (*MACACA THIBETANA*)

D. Xia, R. C. Kyes, X. Wang, B. Sun, L. Sun, J. Li[event:64] [abstract:
13178]

CAPTIVE CHIMPANZEE (*PAN TROGLODYTES*) BEHAVIOR AS A FUNCTION OF GROUP SIZE AND COMPOSITION

S. J. Neal Webb, J. Hau, S. J. Schapiro[event:65] [abstract: 13109]

BEHAVIORAL RESPONSES OF OWL MONKEYS (*AOTUS NANCYMAAE*) TO CHEMICAL CUES OF POTENTIAL PREDATORS

C. K. Wolovich, M. Sliwa, G. Fils-aime, M. Blomquist[event:66] [abstract: 13189]

MUZZLE CONTACTS AS A MECHANISM OF INFORMATION TRANSFER IN THREE TROOPS SOUTH AFRICAN FREE-RANGING VERVET MONKEYS

C. M. Nord, S. P. Henzi, L. Barrett[event:67] [abstract: 13199]

NEOPHOBIA IN CAPTIVE BROWN-TUFTED CAPUCHINS (*CEBUS APELLA*) CORRELATES WITH RANK ONLY IN THE PRESENCE OF THE GROUP

J. F. Berhane, M. K. Cochrane, R. P. Gazes[event:68] [abstract: 13205]

FEEDING ECOLOGY OF *PROPITHECUS COQUERELI* (A.GRANDIDIER, 1867) IN AN ANTHROPOGENIC AREA DOMINATED BY EXOTIC TREES IN THE EDGES OF THE MARIARANO FOREST (MADAGASCAR) DURING THE DRY SEASON (JULY 2017)

F. T. Randimbiarison, F. Rakotondraparany[event:69] [abstract: 13233]

SEX AND STIMULUS MOVEMENT MODULATE RESPONSE ACQUISITION IN A SPECIES-DEPENDENT MANNER

J. R. Makar, N. C. Rice, T. M. Myers[event:70] [abstract: 13234]

AGE-RELATED PHYSICAL ACTIVITY PERFORMANCE IN RAPAMYCIN DOSED MARMOSETS IN AN OPEN FIELD TEST

M. Lopez, M. Flores, A. Salmon, C. Ross[event:71] [abstract: 13243]

Biomedicine

THE EFFECTS OF RAPAMYCIN ON ACTIVITY AND BEHAVIOR IN MARMOSET MONKEYS

M. N. Flores, M. Lopez, M. Mireles, A. Salmon, S. Tardif, C. Ross[event:72] [abstract: 13248]

GUT MICROBIOTA IN THE FULL GASTROINTESTINAL TRACT OF A RING-TAILED LEMUR (*LEMUR CATT*)

Y. Zeng[event:73] [abstract: 13255]

Breeding/Reproduction

DO NOVEL MALES PREFER SOCIALLY CENTRAL FEMALES DURING INTRODUCTIONS OF BREEDING RHESUS MACAQUE (*MACACA MULATTA*) GROUPS?

K. L. Bailey, B. Beisner, S. Moss, D. Hannibal, M. A. Bloomsmith, B. McCowan[event:74] [abstract: 13177]

Colony Management/Enrichment

SPACE ALLOCATION AND AFRICAN GREEN MONKEY (*CHLOROCEBUS AETHIOPS*) SOCIAL GROUP INTRODUCTIONS

S. D. Breaux, J. J. Breaux, R. L. Clark[event:75] [abstract: 13159]

ALTERNATIVE SOCIALIZATION STRATEGY FOR ADULT MALE PIGTAIL MACAQUES (*MACACA NEMESTRINA*)

J. Cavallaro, S. D. Breaux, J. J. Breaux[event:76] [abstract: 13160]

EFFECTS OF BREEDING AGE RHESUS MACAQUE FEMALES ON MALE-TO-MALE DOMINANCE, TRAUMA RATES AND GROOMING DURING LARGE GROUP INTRODUCTIONS

M. A. Bloomsmith, S. Moss, M. Wilson, R. Stavisky, T. Meeker, C. Long[event:77] [abstract: 13156]

SEXUAL MATURITY CONFIRMATION IN GROUP HOUSED FEMALE *MACACA FASCICULARIS*: A TEAM COLLABORATION

A. Fontenot, A. Boyd, K. McGrew[event:78] [abstract: 13246]

Conservation

CEPESBI Y PROYECTO BUGIO: CONSERVACIÓN, INVESTIGACIÓN Y MANEJO DEL BUGIO-RUIVO *ALOUATTA CLAMITANS* EN SANTA CATARINA, BRASIL

a. rezende peruchi, Z. M. Hirano, A. N. Dada, S. S. Francisco, J. C. Júnior, H. H. Filho[event:79] [abstract: 13247]

EFFECTS OF CROP GUARDING ON THE BEHAVIOR OF WILD, HABITUATED GROUPS OF *MACACA NIGRA*

D. A. Bertrand, C. M. Berman, S. W. Margulis, A. Muhammad, U. Sutiah, A. Engelhardt, A. Engelhardt, M. Agil[event:80] [abstract: 13215]

MURAL PAINTINGS FOR THE BLACK HOWLER MONKEY
CONSERVATION: NONFORMAL EDUCATION IN SOUTHERN
MEXICAN COMMUNITIES

L. Jorge-Sales, E. Sancho, M. Franquesa-Soler[event:81] [abstract:
13186]

LEMUR FUNCTIONAL DIVERSITY IN A FRAGMENTED
LANDSCAPE IN SOUTHEAST MADAGASCAR

P. R. Narváez, Z. E. Rahasivelo, S. M. Holmes , E. E. Louis Jr., S. E.
Johnson[event:82] [abstract: 13225]

WHAT DO CHILDREN THINK ABOUT MEXICAN PRIMATES'
CONSERVATION ISSUES? AN EXPLORATION IN COMMUNITIES
OF SOUTHERN MEXICO USING PARTICIPATORY VISUAL
METHODS

E. Sancho, L. Jorge-Sales, M. Llorente, M. Franquesa-Soler[event:83]
[abstract: 13229]

SEASONAL STRESSORS AND HABITAT DESTRUCTION AFFECT
THE FREQUENCY OF PARENTAL CARE AND PATERNAL
ACTIVITY BUDGET IN SAN MARTIN TITI MONKEYS
(*PLECTUROCEBUS OENANTHE*) OF PERU

S. Hodges[event:84] [abstract: 13102]

THE SURINAME FOREST FRAGMENTS PROJECT (SFFP):
ENGAGING WITH A RURAL COMMUNITY TO PRESERVE
FORESTS IN NORTHERN SOUTH AMERICA

M. A. Norconk, C. Landburg, A. Vreedzaam, S. Atsalis, L. Doest, P. Fer,
K. Gunputsing, R. Lang, S. Milan, N. Nazir, D. Obergh[event:85]
[abstract: 13195]

Ecology

GUT MICROBIAL DIVERSITY OF BONOBO (*PAN PANISCUS*)
FROM LOMAKO FOREST, DEMOCRATIC REPUBLIC OF CONGO
(DRC)

A. J. Hickmott, D. M. Christie, C. M. Brand, M. L. Wakefield, M. T.
Waller, F. J. White, N. Ting[event:86] [abstract: 13185]

MOUSE LEMURS (MICROCEBUS) FACILITATE THE DISPERSAL
OF BOTH NATIVE AND NON-NATIVE PLANT SPECIES IN
RANOMAFANA RAIN FOREST

V. Ramananjato, C. DeSiso, D. S. Park, Z. Rakotomalala, O. H.
Razafindratsima[event:87] [abstract: 13103]

Feeding/Nutrition

DO HOWLER MONKEYS (*ALOUATTA PIGRA*) RESPOND WITH AGGREGATED FOOD SELECTION TO THE SPATIAL HETEROGENEITY OF FOOD RESOURCES IN FOREST FRAGMENTS? A PROBLEM FOR SPATIAL ECOLOGY

J. F. Aristizabal, S. Negrete-Yankelevich, A. López-Ríos, J. C. Serio-Silva[event:88] [abstract: 13137]

SEX-SPECIFIC FEEDING BEHAVIOR IN WEDDELL'S SADDLEBACK TAMARINS (*LEONTOCEBUS WEDDELLI*) IN NORTHWESTERN BOLIVIA

L. M. Porter, W. M. Erb, A. Di Fiore[event:89] [abstract: 13150]

Genetics

THE ASSOCIATION OF OXYTOCIN RECEPTOR GENOTYPE ON SOCIAL BEHAVIOR IN LABORATORY-HOUSED RHESUS MACAQUES (*MACACA MULATTA*)

E. K. Wood, R. Kruger, J. P. Capitanio, S. Lindell, C. S. Barr, J. D. Higley[event:90] [abstract: 13145]

Infant Development/Maternal Behavior

SEXUAL DIMORPHISM IN 2D:4D RATIO IS ASSOCIATED WITH MATERNAL URINARY SEX HORMONES IN A REPRESENTATIVE NEW WORLD MONKEY (*CALICEBUS CUPREUS*)

A. Baxter, E. K. Wood, L. R. Witczak, K. L. Bales, J. D. Higley[event:91] [abstract: 13141]

Learning/Cognition/Language

DETOURED REACH: TESTING A COGNITIVE TASK IN AGING MARMOSETS (*CALLITHRIX JACCHUS*)

K. S. Warford, A. Solbach, A. Salmon, C. Ross[event:92] [abstract: 13138]

DO YOUNG RHESUS MONKEYS (*MACACA MULATTA*) KNOW WHAT OTHERS SEE?: A COMPARATIVE DEVELOPMENTAL PERSPECTIVE

A. M. Arre, L. R. Santos[event:93] [abstract: 13100]

SQUIRREL MONKEYS (*SAIMIRI BOLIVIENSIS*) RESPOND TO CONTRAST AND INEQUITY IN A GROUP CONTEXT

G. L. Vale, L. E. Williams, S. J. Schapiro, S. P. Lambeth, S. F. Brosnan[event:94] [abstract: 13161]

LONGITUDINAL ASSESSMENTS OF COGNITION, STRESS
REACTIVITY AND MOTOR FUNCTION IN AGING MARMOSETS

K. P. Workman, A. Le, B. Healey, A. Lacreuse[event:95] [abstract:
13164]

USE OF A NOVEL IMMUNOTHERAPEUTIC APPROACH TO
IMPROVE LEARNING AND MEMORY IN OLDER FEMALE
SQUIRREL MONKEYS

L. E. Williams, H. Scholtzova[event:96] [abstract: 13165]

OBSERVATIONAL LEARNING FACILITATES POSITIVE
REINFORCEMENT TRAINING FOR INHIBITED RHESUS
MACAQUES (*MACACA MULATTA*)

L. Houser, K. Coleman[event:97] [abstract: 13238]

Neuroscience/Pharmacology

NEONATAL PREDICTORS OF ADOLESCENT ALCOHOL INTAKE:
A RHESUS MONKEY (*MACACA MULATTA*) MODEL

E. K. Wood, S. J. Suomi, J. D. Higley[event:98] [abstract: 13168]

GLUCOCORTICOID RECEPTORS ARE INCREASED IN THE
LAB-HOUSED INTRAUTERINE GROWTH RESTRICTED (IUGR)
FETAL BABOON CORPUS CALLOSUM (CC): A POTENTIAL
MECHANISM FOR PROGRAMMING OF LATER LIFE CC FUNCTION

H. F. Huber, J. L. Joganic, C. Li, D. Xie, R. Ledevin, G. D. Clarke, Y.
Heuze, P. W. Nathanielsz[event:99] [abstract: 13127]

Other

EIGHTEEN YEARS OF OUTREACH EDUCATION AT TANGKOKO
NATURE RESERVE, NORTH SULAWESI, INDONESIA:
CONSERVATION LEADERS OF TOMORROW REMEMBER
YESTERDAY

R. C. Kyes, M. Nangoy, J. Onibala, I. Wahyuni, S. Laatung, M.
Tamasoleng, H. Wungouw, E. Iskandar[event:100] [abstract: 13116]

PARTNERSHIP BETWEEN THE ASSOCIATION OF PRIMATE
VETERINARIANS AND THE AMERICAN SOCIETY OF
PRIMATOLOGISTS

S. Jean, M. Bloomsmith[event:101] [abstract: 13158]

VIRTUAL FIELDWORK: THE USE OF SOCIAL MEDIA TO
COMMUNICATE SCIENCE TO ELEMENTARY SCHOOL CHILDREN

A. Coleman, M. Baker, T. Ryan, P. Afonso[event:103] [abstract: 13241]

Research Methods

FECAL TEMPERATURE OF BORNEAN ORANGUTANS (*PONGO PYGMAEUS WURMBII*) IN WEST KALIMANTAN, INDONESIA AS A PROXY FOR BODY TEMPERATURE

F. S. Harwell, R. Gotama, K. S. Scott, B. Philp, C. D. Knott[event:104]
[abstract: 13198]

CAN ANTHROPOMORPHISM BE JUSTIFIED IN PRIMATE MIND-READING DEBATE?: A PHILOSOPHICAL REVIEW

B. Lee[event:112] [abstract: 13222]

Social Behavior

MULTIPLE GROUP MODELING OF THE EFFECTS OF MALE AGGRESSIVE TEMPERAMENT ON LONGITUDINAL CHANGES IN AFFILIATIVE MAINTENANCE BEHAVIORS IN CAPTIVE COPPERY TITI MONKEYS

L. R. Witczak, E. Ferrer, M. Rhemtulla, K. L. Bales[event:105] [abstract: 13207]

POLICING FEMALE/FEMALE CONFLICTS IN RHESUS MACAQUES: EFFECTS OF RELATEDNESS ON INTERVENTIONS

L. A. Young, S. Moss, B. Beisner, M. Bloomsmith, D. Hannibal, B. McCowan[event:106] [abstract: 13176]

DYADIC DECISION-MAKING WITHIN THE CONTEXT OF THE BROADER SOCIAL GROUP IN CAPUCHIN MONKEYS (*CEBUS [SAPAJUS] APELLA*)

M. F. Smith, S. F. Brosnan[event:107] [abstract: 13146]

PAIR INDIVIDUALITY, NOT OFFSPRING RESPONSIBLE FOR DIFFERENCES IN AFFILIATION IN CAPTIVE COPPERY TITI MONKEYS (*CALLICEBUS CUPREUS*)

T. Franzetti, K. Bales[event:108] [abstract: 13216]

SOCIALITY, DOMINANCE RANK, AND HAIR CORTISOL IN CAPTIVE TUFTED CAPUCHIN MONKEYS (*CEBUS APELLA*)

A. E. Schrock, C. N. Leard, M. C. Lutz, J. S. Meyer, R. P. Gazes[event:109] [abstract: 13217]

SOCIAL STYLE AMONG WILD MALE CRESTED MACAQUES (*MACACA NIGRA*) IN TANGKOKO RESERVE, SULAWESI, INDONESIA

M. Tyrrell, C. M. Berman, M. Agil, T. Sutrisno, A. Engelhardt[event:110]
[abstract: 13240]

Welfare & Health

EVALUATING THE SUCCESS OF THE REINTRODUCTION OF AN INFANT WESTERN LOWLAND GORILLA (*GORILLA GORILLA GORILLA*) INTO A ZOO-HOUSED FAMILY GROUP

L. E. Lively, S. R. Ross, M. Leahy, L. M. Hopper[event:111] [abstract: 13097]

Friday, August 10, 2018 : Day 3

08:00 AM-04:00 PM: REGISTRATION DESK OPEN (Regency Foyer) [event: 114]

08:00 AM-06:00 PM: EXHIBITORS OPEN (Regency Center) [event: 115]

08:00 AM-07:00 PM: SILENT AUCTION (Regency East 2) [event: 113]

08:30 AM-09:45 AM: DISTINGUISHED PRIMATOLOGIST ADDRESS: 40 YEARS OF PRIMATE FIELD RESEARCH: WHERE DO I (WE) GO FROM HERE? Paul Garber (Regency West 1/3) [event: 116]

10:00 AM-12:00 PM: SESSION: SOCIAL RELATIONSHIPS, BEHAVIOR AND HEALTH
Chair: Fernando Campos (Regency East 1) [event: 117]

10:00 AM SOCIAL BONDS PREDICT SIGNATURES OF HEALTHY AGING IN WILD BABOONS

F. A. Campos, E. A. Archie, S. C. Alberts[event:118] [abstract: 13155]

10:15 AM NON-INVASIVE EYE TRACKING FOR THE STUDY OF SOCIAL COGNITION IN LABORATORY-HOUSED MONOGAMOUS TITI MONKEYS (*CALLICEBUS CUPREUS*)

S. M. Freeman, L. Loyant, M. C. Palumbo, T. Murai, M. D. Bauman, K. L. Bales[event:119] [abstract: 13111]

10:30 AM THE ROLE OF OXYTOCIN IN AFFILIATIVE SOCIAL BEHAVIOR IN TUFTED CAPUCHIN MONKEYS (*CEBUS [SAPAJUS] APELLA*)

M. J. Sosnowski, M. E. Benítez, O. B. Tomeo, S. F. Brosnan[event:120] [abstract: 13200]

10:45 AM PROXIMITY NETWORKS PREDICT GUT MICROBIOME VARIATION AMONG FEMALE BLACK-AND-WHITE COLOBUS

E. C. Wikberg, D. Christie, P. Sicotte, N. Ting[event:121] [abstract: 13154]

11:00 AM AUTONOMIC NERVOUS SYSTEM REGULATION DURING PARTNER PREFERENCE TESTING IN PAIR BONDING TITI MONKEYS (*CALLICEBUS CUPREUS*).

E. S. Rothwell[event:122] [abstract: 13251]

MATERNAL LITTER SIZE AT BIRTH PREDICTS INFANT MORTALITY WITHIN THE FIRST WEEK OF LIFE IN THE COMMON MARMOSET MONKEY (*CALLITHRIX JACCHUS*): A
11:15 AM WOMB TO WOMB FRAMEWORK FOR NEONATAL LOSS

J. N. Rutherford, C. Ross, V. A. DeMartelly, T. Ziegler, L. Riesche, L. Burke, A. Steffen, S. D. Tardif[event:123] [abstract: 13249]

11:30 AM MECHANISM AT LARGE: SIBLING SEX, BUT NOT ANDROGENS, INFLUENCES PHENOTYPES IN PERINATAL COMMON MARMOSETS (*CALLITHRIX JACCHUS*)

B. M. Frye, L. G. Rapaport, T. Melber, M. W. Sears, S. D. Tardif[event:124] [abstract: 13068]

11:45 AM JAPANESE MACAQUE RANK IS A PREDICTOR OF DISPLACED AGGRESSION TOWARD HUMANS

J. M. Woods, S. R. Ross, K. A. Cronin[event:125] [abstract: 13175]

10:30 AM-12:00 PM: SESSION: ECOLOGY Chair: Julie Teichroeb (Regency East 3) [event: 126]

10:30 AM VARIATION IN FORAGING AND FRUIT SELECTION ACROSS AGE AND SEX CLASSES OF WHITE-FACED CAPUCHIN MONKEYS (*CEBUS CAPUCINUS IMITATOR*)

R. E. Williamson, S. E. Webb, L. M. Fedigan, A. D. Melin[event:127] [abstract: 13224]

10:45 AM MEETING A CHALLENGE: QUADRUPEDAL GAIT KINEMATICS AND SUBSTRATE DISRUPTIONS IN WILD *SAIMIRI SCIUREUS*

A. McNamara, N. T. Dunham, J. W. Young, L. J. Shapiro[event:128] [abstract: 13148]

11:00 AM SPATIO-TEMPORAL INTERACTIONS OF VERVETS AND OLIVE BABOONS WITH LEOPARDS REVEAL THEIR VULNERABILITIES

L. A. Isbell, L. R. Bidner, E. K. Van Cleave, A. Matsumoto-Oda, M. C. Crofoot[event:129] [abstract: 13098]

11:15 AM YOUNG LEAF AVAILABILITY PARTIALLY INFLUENCES WEANED AGE IN A WILD COLOBUS

T. C. Rissling, I. Badescu, A. Crotty, S. A. Fox, A. Gibson-King, L. MacDonald, J. V. Vayro, E. C. Wikberg, P. Sicotte[event:130] [abstract: 13167]

11:30 AM RWENZORI ANGOLAN COLOBUS MULTI-LEVEL SOCIETY:
PRELIMINARY ASSESSMENT OF TIER NUMBER

J. A. Teichroeb, S. M. Stead[event:131] [abstract: 13107]

11:45 AM INTERSPECIFIC DIFFERENCES IN SENSORY FORAGING
BEHAVIOR AMONG SYMPATRIC PLATYRRHINES

C. C. Veilleux, C. Hiramatsu, S. Webb, F. Aureli, C. M. Schaffner, S. Kawamura, A. D. Melin[event:132] [abstract: 13157]

12:00 PM-01:30 PM: LUNCH ON YOUR OWN (Regency Center) [event: 134]

12:00 PM-01:30 PM: EDITORIAL BOARD LUNCHEON (Chula Vista) [event: 133]

01:00 PM-02:00 PM: WORKSHOP ON SCIENCE COMMUNICATION AND WRITING
Chairs: Brett Frye, Colin Brand, Karen Hambright, and Michael Reid
(Regency East 1) [event: 135]

02:00 PM-05:00 PM: SESSION: BEHAVIOR Chair: Nicky Staes (Regency East 1) [event:
136]

02:00 PM SEROTONIN RECEPTOR 1A (*5-HTR1A*) VARIATION IS
ASSOCIATED WITH ANXIETY AND AGONISTIC BEHAVIOR IN
CAPTIVE CHIMPANZEES

N. Staes, C. C. Sherwood, H. Freeman, S. F. Brosnan, W. D. Hopkins, B. J. Bradley[event:137] [abstract: 13201]

02:15 PM TRAINING MONKEYS TO TAKE A BITTER PILL: USING POSITIVE
REINFORCEMENT TO DELIVER ANTIRETROVIRAL THERAPY
MEDICATIONS TO AWAKE RHESUS MONKEYS (*MACACA
MULATTA*)

J. L. Weed, M. B. Daly, A. M. Clayton, J. P. Jolly, B. Skinner, J. G. Garcia-Lerma[event:138] [abstract: 13204]

02:30 PM A NEW APPROACH FOR EVALUATION OF WALKING SPEED TO
ESTIMATE BIOLOGICAL AGING AND EFFECTS OF
AGING-DEVELOPMENTAL PROGRAMMING INTERACTIONS IN
LAB-HOUSED BABOONS

H. F. Huber, K. G. Gerow, C. Li, P. W. Nathanielsz[event:139] [abstract:
13126]

02:45 PM CLEARLY NOT CONSERVATIVE: CHIMPANZEES AND GORILLAS
SHOW FLEXIBLE LEARNING WITH A CAUSALLY-CLEAR TASK

L. M. Hopper, S. L. Jacobson[event:140] [abstract: 13105]

03:00 PM ASSESSING FOOD PREFERENCE AND REINFORCER
EFFECTIVENESS IN LABORATORY-HOUSED CYNOMOLGUS
MACAQUES (*MACACA FASCICULARIS*): A REFINEMENT FOR
POSITIVE REINFORCEMENT TRAINING

A. Rehrig, L. DiVincenti, D. Napolitano, D. McAdam[event:141]

	[abstract: 13124]
03:15 PM	RHESUS MONKEY CROP RAIDING ISSUE: A CASE STUDY IN THE NARKANDA AND THANEDHAR APPLE BELTS IN HIMACHAL PRADESH, INDIA S. K. Sahoo, A. Kumari, S. Singh, A. Kamboj[event:142] [abstract: 13197]
03:45 PM	FEEDING PATTERNS OF INFANT AND JUVENILE RHESUS MACAQUES (<i>MACAQUE MULATTA</i>) LIVING IN LARGE OUTDOOR CAPTIVE BREEDING GROUPS J. K. Ramsey, M. E. Wilson, T. Meeker, R. C. Stavisky, K. Cummings, M. M. Crane, J. K. Cohen, K. Ethun[event:143] [abstract: 13153]
02:15 PM-04:00 PM:	SESSION: GENETICS, PHYSIOLOGY AND ANATOMY Chair: Corinna Ross (Regency East 3) [event: 144]
02:15 PM	PHYLOGENETIC POSITION AND EVOLUTIONARY ORIGIN OF CAPPED-GOLDEN LANGUR LINEAGE K. Arekar, A. Parigi, P. Karanth[event:145] [abstract: 13237]
02:30 PM	EVALUATION OF CHOLECALCIFEROL METABOLITES IN <i>CALLITHRIX JACCHUS</i> (COMMON MARMOSET) A. E. Goodroe, C. Fitz, S. Capuano III, T. E. Ziegler[event:146] [abstract: 13232]
02:45 PM	AGE-RELATED COCHLEAR HISTOPATHOLOGIES IN OLD-WORLD AND NEW-WORLD PRIMATES: THE RHESUS MACAQUE (<i>MACACA MULATTA</i>) AND THE COMMON MARMOSET (<i>CALLITHRIX JACCHUS</i>) M. Liberman, C. Ross, S. Tardif, G. Recanzone, T. Hackett, R. Ramachandran, T. Moore, M. D. Valero[event:147] [abstract: 13236]
03:00 PM	NEEDLES AND LASERS: THE SCIENCE OF ACUPUNCTURE AND LASER THERAPY AND HOW WE USE IT TO IMPROVE NHP CARE E. R. Magden[event:148] [abstract: 13104]
03:15 PM	SOCIAL STABILITY INFLUENCES THE ASSOCIATION BETWEEN ADRENAL RESPONSIVENESS AND HAIR CORTISOL CONCENTRATIONS IN RHESUS MACAQUES (<i>MACACA MULATTA</i>) J. J. Vandeleest, J. P. Capitanio, A. Hamel, J. Meyer, M. Novak, S. P. Mendoza, B. McCowan[event:149] [abstract: 13190]
03:30 PM	MARMOSET GUT MICROBIOME AND AGING C. N. Ross, K. R. Reveles[event:150] [abstract: 13203]

03:45 PM TB-PLEX – A NEW GENERATION MULTIPLEX ANTIBODY DIAGNOSTIC TEST FOR DETECTION OF TUBERCULOSIS IN NONHUMAN PRIMATES

R. K. Dhawan, M. Wunderlich, R. Ravindran, I. Khan[event:151]
[abstract: 13162]

05:00 PM-06:00 PM: PAST PRESIDENT'S RECEPTION (BY INVITATION) (Riverbend Suite) [event: 152]

06:00 PM-08:00 PM: SOCIAL MIXER (Regency Center) [event: 153]

Saturday, August 11, 2018 : Day 4

07:00 AM-08:00 AM: Primate Promenade Fun Run (Hotel Lobby) [event: 154]

07:30 AM-08:30 AM: Board of Directors meeting (Riverbend Suite) [event: 155]

08:00 AM-03:00 PM: SILENT AUCTION (Regency East 2) [event: 156]

08:00 AM-04:00 PM: EXHIBITORS OPEN (Regency Center) [event: 158]

08:00 AM-04:00 PM: REGISTRATION DESK OPEN (Regency Foyer) [event: 157]

08:30 AM-09:45 AM: EARLY CAREER AWARD ADDRESS: THE SENSORY ECOLOGY OF FRUIT SELECTION BY WILD CAPUCHIN MONKEYS (CEBUS IMITATOR) IN SECTOR SANTA ROSA, COSTA RICA Amanda Melin (Regency West 1/3) [event: 159]

09:45 AM-12:00 PM: SESSION: BREEDING, WELFARE, AND COLONY MANAGEMENT
Chair: Dawn Abney (Regency East 3) [event: 160]

09:45 AM IMPROVING CAPTIVE MANAGEMENT OF NONHUMAN PRIMATES THROUGH INNOVATIVE CAGING DESIGN

D. M. Abney[event:161] [abstract: 13151]

10:00 AM INCREASED PRODUCE ENRICHMENT REDUCES TRAUMA IN SOCIALLY-HOUSED CAPTIVE RHESUS MACAQUES (*MACACA MULATTA*)

D. L. Hannibal, A. C. Nathman, B. A. Beisner, N. S. Lin, B. McCowan[event:162] [abstract: 13213]

10:15 AM ALOPECIA IN RHESUS MACAQUES (*MACACA MULATTA*): ASSOCIATION WITH PREGNANCY AND STRESS

C. K. Lutz, M. T. Menard, J. S. Meyer, M. A. Novak[event:163]
[abstract: 13130]

10:30 AM CHARACTERIZATION OF BREEDING MALES IN A SPF RHESUS MACAQUE COLONY: A LIFE HISTORY APPROACH

R. C. Stavisky, T. Meeker, J. K. Ramsey, M. M. Crane[event:164]
[abstract: 13152]

11:00 AM	PREDICTORS OF ALLOSTATIC LOAD IN ZOO-HOUSED WESTERN LOWLAND GORILLAS (<i>GORILLA GORILLA GORILLA</i>) A. N. Edes, B. A. Wolfe, D. E. Crews[event:165] [abstract: 13171]
11:15 AM	VALIDATING WELFARETRAK® FOR CHIMPANZEES USING PHYSIOLOGICAL AND BEHAVIORAL MEASURES OF ANIMAL WELFARE K. Hall, J. Bryant, M. Staley, J. Whitham, L. Miller[event:166] [abstract: 13149]
11:30 AM	HAPPINESS, POSITIVE WELFARE, AND PERSONALITY IN RHESUS MACAQUES (<i>MACACA MULATTA</i>) L. M. Robinson, J. P. Capitanio, N. K. Waran, M. C. Leach, I. Handel, A. Weiss[event:167] [abstract: 13101]
11:45 AM	EVALUATING VISUAL CUES OF BREEDING STATUS IN A NEW WORLD MONKEY (NWM) SPECIES, THE SADDLEBACK TAMARIN (<i>SAGUINUS FUSCICOLLIS</i>) L. A. Moreira , M. Watsa, G. Erkenwick, A. D. Melin[event:168] [abstract: 13206]
10:00 AM-11:00 AM:	SESSION: LEARNING AND COGNITION Chair: Gina Munir (Regency East 1) [event: 169]
10:00 AM	PLANS AND THE STRUCTURE OF CHIMPANZEE FORAGING C. R. Menzel, K. Sayers[event:170] [abstract: 13218]
10:15 AM	THE COGNITIVE CAPABILITIES OF THE SIAMANG (<i>SYMPHALANGUS SYNDACTYLUS</i>) G. M. Munir, P. Nealen [event:171] [abstract: 13108]
10:30 AM	CAPTIVE SQUIRREL MONKEYS (<i>SAIMIRI SCIUREUS</i>) ASSIGN VALUE AND DEMONSTRATE SELF-CONTROL IN A TOKEN EXCHANGE PARADIGM R. C. Russell, K. Early, M. C. Painter, P. G. Judge[event:172] [abstract: 13136]
10:45 AM	A COMPARISON OF TWO TOUCHSCREEN-BASED PREFERENCE ASSESSMENT PARADIGMS IN THREE ZOO-HOUSED PRIMATE SPECIES C. L. Egelkamp, S. L. Jacobson, K. A. Cronin, M. Fidino, S. R. Ross, L. M. Hopper[event:173] [abstract: 13122]
12:00 PM-01:30 PM:	LUNCH ON YOUR OWN (Regency Center) [event: 174]
12:15 PM-12:15 PM:	SILENT AUCTION CLOSES (Regency East 2) [event: 176]
03:00 PM-05:00 PM:	BUSINESS MEETING (Regency West 1/3) [event: 175]

06:00 PM-12:00 PM: CLOSING BANQUET (Regency East 1) [event: 177]