

The 40th Meeting of the American Society of Primatologists Scientific Program

Friday, August 25, 2017 : Day 1

- 01:00 PM-02:00 PM: PROGRAM COMMITTEE MEETING (Foyer) [71]
01:00 PM-03:00 PM: PRIMATE CARE COMMITTEE (Thomas Circle Suite Salon A) [72]
01:00 PM-03:00 PM: MEMBERSHIP AND FINANCE COMMITTEE (State Room) [73]
01:00 PM-03:00 PM: EDUCATION COMMITTEE MEETING (Executive Boardroom) [74]
01:00 PM-04:00 PM: CONSERVATION COMMITTEE (Thomas Circle Suite Salon C) [75]
02:00 PM-03:00 PM: MEDIA AND PUBLIC ENGAGEMENT COMMITTEE MEETING (Foyer) [76]
03:00 PM-05:00 PM: RESEARCH AND DEVELOPMENT COMMITTEE (State Room) [77]
03:00 PM-05:00 PM: BOARD OF DIRECTORS MEETING (Lapidus Suite) [78]
03:00 PM-05:00 PM: VENDOR SETUP (Thomas Circle ABC) [79]
03:00 PM-05:00 PM: PUBLICATION COMMITTEE MEETING (Executive Boardroom) [80]
04:00 PM-05:00 PM: STUDENT COMMITTEE MEETING (Washington Plaza Hotel Pool) [81]
04:00 PM-06:00 PM: SILENT AUCTION SETUP (Thomas Circle Suite Salon C) [82]
06:00 PM-09:00 PM: OPENING RECEPTION (National Zoo) [83]

Saturday, August 26, 2017 : Day 2

- 08:15 AM-08:30 AM: PRESIDENT'S WELCOME (Grand Ballroom) [84]
08:30 AM-08:55 AM: DATA BLITZ (Grand Ballroom) [85]
09:00 AM-10:00 AM: DISTINGUISHED PRIMATOLOGISTS ADDRESS: SOCIAL COGNITION IN BABOONS: Dorothy Cheney and Robert Seyfarth (Grand Ballroom) [86]
10:00 AM-10:15 AM: BREAK (Washington Plaza Hotel) [87]
10:30 AM-11:30 AM: PRESIDENT'S FORUM: SUPPORTING AND ENHANCING PEER REVIEW (Grand Ballroom) [88]
11:30 AM-12:30 PM: LUNCH ON YOUR OWN (Washington Plaza Hotel) [89]
12:30 PM-01:30 PM: SCIENCE POLICY ROUNDTABLE PART 1: SCIENCE ADVOCACY: HOW THE GOVERNMENT WORKS, AND WHAT YOU CAN DO TO INFLUENCE IT. Chair: John Capitanio (Grand Ballroom) [90]
01:45 PM-03:00 PM: SYMPOSIUM: REARING MACAQUE INFANTS IN A CAPTIVE SETTING Chair: Julie Worlein (Grand Ballroom) [91] **(RACE)**
01:45 PM BEHAVIORAL AND PHYSIOLOGICAL OUTCOMES IN NURSERY-REARED PIGTAILED MACAQUES (*MACACA NEMESTRINA*)
J. M. Worlein, R. Kroeker, G. H. Lee, K. S. Grant, M. A. Novak, J. S. Meyer[92] **(RACE)**
02:00 PM NURSERY REARING MACAQUES- AN OVERVIEW FROM A VETERINARY PERSPECTIVE
J. F. Lane[93] **(RACE)**
02:15 PM TRAINING NON-LACTATING RHESUS MACAQUES TO ACT AS FOSTER MOTHERS
K. Coleman, N. D. Robertson[94] **(RACE)**
02:30 PM COMPARING ABNORMAL AND FEAR-RELATED BEHAVIOR UNDER TWO NURSERY REARING CONDITIONS FOR INFANT RHESUS MACAQUES
M. A. Bloomsmith, M. A. Truelove, J. Cowan-Brown, A. Martin, J. E. Perlman[95] **(RACE)**
02:45 PM LONG TERM BEHAVIORAL AND CLINICAL OUTCOMES FOR NURSERY REARED MACAQUES
P. J. Pierre, J. Sullivan, M. Rosga, T. Frost, S. Woelffer, L. Ace[96] **(RACE)**
03:00 PM BREAK
01:45 PM-03:45 PM: CONTRIBUTED TALKS: CONSERVATION AND HUMAN-NON-HUMAN PRIMATE INTERACTIONS Chair: Andrea Baden (National Ballroom Salon B) [98]
01:45 PM INVESTIGATION OF GROOMING INTERACTIONS AMONG URBAN-DWELLING RHESUS MACAQUES (*MACACA MULATTA*) IN SHIMLA (NORTHERN INDIA)
S. S. Kaburu, B. Beisner, P. R. Marty, K. Balasubramaniam, E. Bliss-Moreau, E. R. Atwill, B. McCowan[99]
02:00 PM DETERMINANTS OF HUMAN-NONHUMAN PRIMATE CONFLICTS IN LONG-TAILED MACAQUES (*MACACA FASCICULARIS*) IN MALAYSIA
P. R. Marty, B. Beisner, S. S. Kaburu, K. Balasubramaniam, E. Bliss-Moreau, E. R. Atwill, B. McCowan[100]
02:15 PM POPULATION GENETIC ANALYSIS OF BLACK-AND-WHITE RUFFED LEMURS (*VARECIA VARIEGATA*) IN RANOMAFANA NATIONAL PARK, SOUTHEASTERN MADAGASCAR
A. N. Mancini, A. Chandrashekar, A. L. Baden[101]
02:30 PM UNHABITUATED CHIMPANZEES (*PAN TROGLODYTES*) IN THE HIGHLANDS NORTH OF GOMBE NATIONAL PARK, TANZANIA
M. L. Wilson, D. C. Mjungu, L. Pintea, H. J. Barbian, Y. Li, E. E. Wroblewski, A. E. Pusey, B. H. Hahn[102]
02:45 PM HABITAT DEGRADATION AND PROXIMITY TO VILLAGES EXPLAIN GENETIC COMMUNITY STRUCTURE IN A CRITICALLY ENDANGERED LEMUR SPECIES.
A. L. Baden, A. N. Mancini, S. Federman, J. M. Kamilar, S. M. Holmes, S. E. Johnson, E. E. Louis, Jr., B. J. Bradley[103]

03:00 PM BREAK

03:15 PM THE ROLE OF PUBLIC RELATIONS IN PRIMATE CONSERVATION: EXAMPLES FROM UGANDA

S. J. Gessa, J. M. Rothman[[105](#)]

03:30 PM THE PERCEPTION OF MACAQUES' MINDS IS RELATED TO ATTITUDES ABOUT MACAQUES AT INTERFACES

E. Bliss-Moreau, S. Srivastava, S. S. Kaburu, P. R. Marty, K. Balasubramaniam, B. Beisner, B. McCowan[[106](#)]

01:45 PM-05:30 PM: CONTRIBUTED TALKS: LEARNING, COGNITION AND LANGUAGE Chair: Dorothy Fragaszy (National Ballroom Salon A) [107] [Add To Schedule]

01:45 PM ORANGUTAN STRATEGIES FOR SOLVING A VISUOSPATIAL MEMORY TASK

C. F. Martin, R. W. Shumaker[[108](#)]

02:00 PM INFANT RHESUS MACAQUES (*MACACA MULATTA*) INTERPRET REACH-GRASP ACTIONS AS GOAL-DIRECTED

A. Paukner, E. M. Slonecker[[109](#)]

02:15 PM A TOKEN-TRAINED CAPUCHIN (*CEBUS APELLA*) NAMES WHAT HE HAS SEEN BUT LOOKS FIRST AT WHAT HE HAS NOT SEEN

P. G. Judge, S. M. Faiad, M. G. Messina[[110](#)]

02:30 PM STRATEGIC DECISION-MAKING IN CAPUCHINS (*CEBUS APELLA*), RHESUS MONKEYS (*MACACA MULATTA*), AND HUMANS DURING A COMPETITIVE TWO-PLAYER GAME

J. Watzek, M. F. Smith, S. F. Brosnan[[111](#)]

02:45 PM SQUIRREL MONKEYS (*SAIMIRI SCIUREUS*) PERFORM SIMILARLY TO OTHER NEW WORLD MONKEYS AND PROSIMIANS ON A TOOL USE TASK

M. C. Painter, P. G. Judge[[112](#)]

03:00 PM BREAK

03:15 PM IDENTIFYING DISTINGUISHING FEATURES OF PERCEPTUOMOTOR CONTROL OF STONE TOOLS IN HUMAN AND BEARDED CAPUCHIN MONKEYS

M. Mangalam, L. K. Roles, D. M. Fragaszy[[114](#)]

03:30 PM DISCRIMINATION OF SEX IN CAPUCHIN MONKEYS (*CEBUS [SAPAJUS] APELLA*)

C. F. Talbot, S. F. Brosnan[[115](#)]

03:45 PM THE EFFECTS OF POSITIVE AND NEGATIVE EXPERIENCES ON SUBSEQUENT BEHAVIOR AND COGNITION IN CAPTIVE CAPUCHIN MONKEYS (*CEBUS APELLA*)

M. F. Smith, S. F. Brosnan[[116](#)]

04:00 PM INDIVIDUALITY AND STABILITY OF COMMON MARMOSET MOBBIING CALLS

M. M. Mulholland, N. G. Caine[[117](#)]

04:15 PM ASPECTS OF VISUAL ATTENTION IN PRIMATE SOCIAL FORAGING

C. R. Menzel, K. Sayers[[118](#)]

04:30 PM BEHAVIORAL RESPONSES TO INEQUITY IN RESEARCH OPPORTUNITIES IN GORILLAS (*GORILLA GORILLA*) AND ORANGUTANS (*PONGO SPP*) AT THE SMITHSONIAN'S NATIONAL ZOO

E. S. Herrelko, S. Vick, H. M. Buchanan-Smith[[119](#)]

04:45 PM AUDIENCE EFFECTS ON CHIMPANZEE DECISION-MAKING IN THE PRIMATE GAMBLING TASK

D. Proctor, K. Burke, F. B. de Waal[[120](#)]

05:00 PM TOOL USE BY YOUNG ADULT BEARDED CAPUCHIN MONKEYS (*SAPAJUS LIBIDINOSUS*): DOES AGE OR BODY MASS PREDICT PROFICIENCY?

N. Aiempichitkijarn, J. Parrilli, J. C. Respress, P. Izar, D. M. Fragaszy[[121](#)]

05:15 PM CHIMPANZEES AND BONOBOS DEMONSTRATE OROFACIAL-MOTOR AND BREATH CONTROL

N. Schwob, W. Hopkins, J. Tagliabata[[122](#)]

03:15 PM-05:30 PM: CONTRIBUTED TALKS: HEALTH Chair: Erin Kinnally (Grand Ballroom) [123] (RACE)

03:15 PM WESTERN AND MEDITERRANEAN DIET EFFECTS ON WEIGHT GAIN, CARBOHYDRATE METABOLISM AND C-MARKERS OF BRAIN HEALTH IN FEMALE CYNOMOLGUS MACAQUES (*MACACA FASCICULARIS*)

C. A. Shively, T. C. Register, T. J. Montine, C. D. Keene, S. Craft[[124](#)] (RACE)

03:30 PM MATERNAL AND EPIGENETIC PROGRAMMING OF INFLAMMATION

E. L. Kinnally, S. J. Martinez, A. Vogel-Ciernia[[125](#)] (RACE)

03:45 PM TREATMENT OF CHRONIC IDEOPATHIC DIARRHEA IN A PIGTAILED MACAQUE (*MACACA NEMESTRINA*) WITH FLUOXETINE

E. K. Hutchinson, S. P. Flemming, A. E. Goodroe, C. L. Kissel[[126](#)] (RACE)

04:00 PM TREATMENT OF IDEOPATHIC ANOREXIA IN COMMON MARMOSETS (*CALLITHRIX JACCHUS*) WITH MIDAZOLAM

E. K. Hutchinson, S. P. Flemming, C. M. Garrett[[127](#)] (RACE)

04:15 PM COCHLEAR SYNAPTOPATHY IN THE NOISE-EXPOSED AND AGING RHESUS MACAQUE (*MACACA MULATTA*)

M. Valero, S. Hauser, J. Burton, G. Recanzone, T. Hackett, R. Ramachandran, M. Liberman[[128](#)] (RACE)

04:30 PM A VALIDATION STUDY OF HAIR CORTISOL IN RHESUS MONKEYS

A. Kapoor, T. E. Ziegler[129] **(RACE)**

04:45 PM PREDICTORS OF PARASITE RISK IN MALE SAVANNA BABOONS (*PAPIO CYNOCEPHALUS*)

R. Habig, D. A. Jansen, L. R. Gesquiere, S. C. Alberts, E. A. Archie[130]

05:00 PM ASSOCIATIONS OF INFLAMMATORY MARKERS WITH SEX, AGE, AND CORTISOL IN ZOO-HOUSED WESTERN LOWLAND GORILLAS (*GORILLA GORILLA GORILLA*)

A. N. Edes, D. E. Crews[131]

05:15 PM ANXIETY AS A MEDIATOR OF ALCOHOL INTAKE IN LABORATORY-LIVING RHESUS MACAQUES (*MACACA MULATTA*)

E. K. Wood, A. N. Skowbo, J. P. Capitanio, L. del Rosso, J. D. Higley[133]

05:00 PM-06:00 PM: ASP PAST PRESIDENTS' RECEPTION (Lapidus Suite) [134]

06:00 PM-08:00 PM: POSTER SESSION (National Ballroom AB) [136]

Behaviour

DEXTERITY AND FLEXIBILITY IN TERMITE FISHING BY ADULT FEMALE CHIMPANZEES (*PAN TROGLODYTE TROGLODYTES*) IN THE GOUALOUGO TRIANGLE, REPUBLIC OF CONGO

M. C. Ortiz, A. J. Osuna-Mascaró, E. C. Stolz, C. Sanz, D. Morgan, S. Musgrave, D. M. Fragaszy[1]

VALIDATION OF EXPERIMENTAL METHODS TO MEASURE EXPLORATION IN COMMON MARMOSETS (*CALLITHRIX JACCHUS*)

M. E. DeLorenzo, T. A. Brown, C. Schultz, B. M. Frye, L. G. Rapaport, S. Tardif[2]

CAPTIVE CAPUCHIN MONKEYS (*CEBUS APELLA*) BEHAVE PROSOCIALY MORE OFTEN WITH STRONG AFFILIATIVE PARTNERS DURING A FOOD SHARING TASK

S. M. Faiad, C. K. MacArthur, P. G. Judge[3]

EFFECTS OF AGE, SEX, AND REPRODUCTIVE STATE ON INJURY IN PHAYRE'S LEAF MONKEYS

J. A. Feder, C. Borries, A. Koenig, A. Lu[4]

A COMPARISON OF DESENSITIZATION TECHNIQUES TO TRAIN RHESUS MACAQUES TO TAKE FOOD FROM HUMAN

A. N. Franklin, A. L. Martin, C. R. Brennan, J. E. Perlman, M. A. Bloomsmith[5]

COPULATION CALLS OF FEMALE TAIWANESE MACAQUES (*MACACA CYCLOPIS*) AT NANHUA AREA IN SOUTHERN TAIWAN

C. HUANG, H. Su[6]

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BEHAVIOR DIFFERENCES IN A SILVERBACK IN THE PRESENCE OF MALE VS FEMALE CONSPECIFICS: A CASE STUDY

V. James-Aldridge[9]

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L. Keller, K. A. Cronin, L. M. Hopper, M. A. Leahy, S. R. Ross[10]

MEASURING AFFECTIVE RESPONSES TO INEQUITY IN CAPTIVE CHIMPANZEES (*PAN TROGLODYTES*), ORANGUTANS (*PONGO ABELII*) AND CAPUCHIN MONKEYS (*CEBUS APELLA*)

K. L. Leverett, M. Benitez, S. F. Brosnan[11]

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K. M. McGuire[12]

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J. Nichols, A. Kwiatt, S. R. Ross, L. M. Hopper[13]

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A. J. Reddy, M. L. Bastian[14]

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T. A. Brown, C. K. Lutz[21]

THE RESPONSE OF SANCTUARY CHIMPANZEE (*PAN TROGLODYTES*) GROUPS BEFORE, DURING AND AFTER THE DEATH OF A GROUPMATE.

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J. E. Perlman, A. L. Martin, M. A. Bloomsmith[24]

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M. S. Schaefer, K. E. Reuter[29]

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E. M. Sinclair, J. R. Owen, F. V. Paladino, S. Honarvar[30]

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P. Kyes, P. Thamsenanupap, T. Tanee, A. Intralawan, R. C. Kyes[32]

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M. E. Chaney, A. J. Tosi, H. Piontkivska[42]

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N. Staes, C. C. Sherwood, W. D. Hopkins, H. Freeman, B. J. Bradley[47]

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A. Gibson-King, A. Crotty, E. Potvin-Rosselet, J. Vayro, E. C. Wikberg, P. Sicotte[48]

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J. Leinwand, G. DeAngelo, S. F. Brosnan[51]

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G. L. Vale, L. E. Williams, S. P. Lambeth, S. J. Schapiro, S. F. Brosnan[54]

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LOW INHERENT SENSITIVITY TO THE INTOXICATING EFFECTS OF ETHANOL IN LABORATORY-HOUSED RHESUS MONKEYS (*MACACA MULATTA*) WITH LOW CSF CONCENTRATIONS OF THE SEROTONIN METABOLITE 5-HYDROXYINDOLEACETIC ACID
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Other

A BIOGRAPHY OF A WILD-BORN WESTERN LOWLAND GORILLA
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S. S. Legge, S. R. Sater, R. L. Luther[59]

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DAMS' SOCIAL BEHAVIOR AND LONG-TERM CORTISOL PROFILES IN RESPONSE TO THEIR INFANTS BEING NURSERY-REARED
A. M. Dettmer, E. Slonecker, S. J. Suomi, J. S. Meyer[67]

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Sunday, August 27, 2017 : Day 3

06:30 AM-07:30 AM: PRIMATE PROMENADE (Washington Plaza Hotel Lobby) [137]

08:30 AM-08:45 AM: OPENING REMARKS (Grand Ballroom) [138]

08:45 AM-11:15 AM: CONTRIBUTED TALKS: WELFARE/ENRICHMENT Chair: Katherine Cronin (National Ballroom Salon B) [139] (RACE)

08:45 AM RHESUS MONKEY (*MACACA MULATTA*) GROUPS WITH MORE NON-NATAL ADULT MALES PER ADULT FEMALE HAVE LOWER RATES OF AGGRESSION-INDUCED TRAUMA AND GREATER REPRODUCTIVE SUCCESS
J. Crast, D. Seelig, T. L. Meeker, M. E. Wilson, M. A. Bloomsmith[140]

- 09:00 AM** A COMPARISON OF ACTIVITY PATTERNS OF CAPTIVE CHIMPANZEES (*PAN TROGLODYTES*) HOUSED IN PRIMADOMES™ OR CORRALS
S. J. Neal Webb, J. Hau, S. J. Schapiro[141]
- 09:15 AM** ENRICHMENT USE & SOCIAL INTERACTIONS IN A MIXED-SPECIES ENCLOSURE OF SUMATRAN (*PONGO ABELII*) & BORNEAN ORANGUTANS (*P. PYGMAEUS*) & NORTHERN WHITE-CHEEKED GIBBONS (*NOMASCUS LEUCOGENYS*) AT THE OREGON ZOO
E. S. Veitia, K. Lewis[142] **CANCELLED**
- 09:30 AM** PREDICTORS OF PAIR HOUSING SUCCESS VARY IN CAPTIVE ST. KITTS AFRICAN GREEN MONKEYS (*CHLOROCEBUS SABAEUS*) VERSUS CAPTIVE TANZANIAN AFRICAN GREEN MONKEYS (*CHLOROCEBUS PYGERYTHRUS*)
K. Laszlo, L. Morin, C. L. Veeder [143]
- 09:45 AM** RESPONSE SPEED ON A SIMPLE TOUCHSCREEN TASK AS A WELFARE INDICATOR: A STUDY OF ZOO-HOUSED JAPANESE MACAQUES
K. A. Cronin, E. J. Bethell, S. L. Jacobson, S. R. Ross[144] **(RACE)**
- 10:00 AM** WELFARE MEASURES FOR LABORATORY CHIMPANZEES IN THE UNITED STATES
M. A. Bloomsmith, S. Lambeth, C. Lutz, S. Breaux, A. Clay, A. Franklin, K. Neu, J. E. Perlman, L. Reamer, M. Mareno, S. J. Schapiro, M. Vazquez, S. Bourgeois[145] **(RACE)**
- 10:15 AM** MACROENVIRONMENTAL EFFECTS ON THE WELL-BEING OF SINGLY-CAGED MALE RHESUS MACAQUES (*MACACA MULATTA*)
K. C. Baker, A. Ruhde[146] **(RACE)**
- 10:30 AM** AMOUNT AND RECIPROCITY OF AFFILIATIVE BEHAVIORS CAN PREDICT PAIRING SUCCESS IN CAPTIVE RHESUS MACAQUES (*MACACA MULATTA*)
A. L. Heagerty, K. Coleman[148] **(RACE)**
- 10:45 AM** TRAUMA AND MALE TENURE IN SPF RHESUS MACAQUE (*MACACA MULATTA*) BREEDING GROUPS
R. C. Stavisky, J. K. Ramsey, T. Meeker, K. Cummings, A. Cerqueda, M. M. Crane[149] **(RACE)**
- 08:45 AM-11:45 AM:** CONTRIBUTED TALKS: BEHAVIOR Chair: Tremaine Gregory (National Ballroom Salon A) [150] **(RACE)**
- 08:45 AM** REMOVALS BASED ON LOW WITHIN-MATRILINE RELATEDNESS CAN REDUCE SEVERE AGGRESSION IN CAPTIVE RHESUS MACAQUES
D. Hannibal, B. Beisner, A. Nathman, A. Maness, B. McCowan[151] **(RACE)**
- 09:00 AM** CAMERA TRAP RECORDS OF TERRESTRIALITY IN FIVE PERUVIAN PRIMATE COMMUNITIES
T. Gregory, A. Whitworth, J. L. Mena, M. Bowler, A. Portillo[152] **(RACE)**
- 09:15 AM** TIMING OF EARLY MORNING BEHAVIORS OF NEW WORLD PRIMATES AT THE TIPUTINI BIODIVERSITY STATION IN AMAZONIAN ECUADOR (*ALOUATTA*, *ATELES*, *CALLICEBUS*, *LAGOTHRIX*, *PITHECIA*)
D. M. Snodderly, K. M. Ellis, S. R. Lieberman, A. Link, E. Fernandez-Duque, S. Alvarez-Solas, L. Abondano, F. Di Fiore[153] **(RACE)**
- 09:30 AM** TERRESTRIAL ACTIVITY IN TWO SPECIES OF SQUIRREL MONKEYS (*SAIMIRI COLLINSI* AND *SAIMIRI CASSIQUIARENSIS*) LIVING IN DISTINCT AMAZONIAN ECOSYSTEMS
A. I. Stone, M. Araujo, H. Lima de Queiroz[154] **(RACE)**
- 09:45 AM** GPS-IDENTIFIED LOW-LEVEL NOCTURNAL ACTIVITY OF VERVETS (*CHLOROCEBUS PYGERYTHRUS*) AND OLIVE BABOONS (*PAPIO ANUBIS*) IN KENYA
L. A. Isbell, L. R. Bidner, M. C. Crofoot, A. Matsumoto-Oda, D. R. Farine[155]
- 10:00 AM** DO SANCTUARY CHIMPANZEES (*PAN TROGLODYTES*) BEHAVE DIFFERENTLY WHEN UNFAMILIAR PEOPLE ARE PRESENT?
B. K. Hansen, S. R. Ross, L. M. Hopper, A. L. Fultz[156]
- 10:15 AM** BEHAVIORAL AND PHYSIOLOGICAL REACTIONS TO THREATENING STIMULI IN FEMALE COMMON MARMOSETS (*CALLITHRIX JACCHUS*)
B. M. Frye, L. G. Rapaport, S. D. Tardif[157]
- 10:30 AM** THE FINDER'S ADVANTAGE DOES NOT TRUMP HIGH-RANK WHEN WILD VERVET MONKEYS (*CHLOROCEBUS PYGERYTHRUS*) COMPETE FOR SMALL, DISPERSED RESOURCES DURING A FORAGING EXPERIMENT AT LA NABUGABO, UGANDA
E. A. Smeltzer, J. A. Teichroeb[158]
- 10:45 AM** SNAKE RESPONSES OF HUMANS AND OTHER PRIMATES: UPDATE AND INTERPRETATION
G. E. King[159]
- 11:00 AM** FLUCTUATING SOCIAL BEHAVIORS OF A CAPTIVE BREEDING BORNEAN ORANGUTAN BOTH BEFORE AND DURING PREGNANCY
M. Vergamini, M. Bastian, A. L. Rector[160]
- 11:15 AM** GRAPPLING EXPLAINED: AN INTRIGUING SOCIAL INTERACTION IN SPIDER MONKEYS (*ATELES GEOFFRO*)
C. M. Schaffner, L. Busia, A. R. Denice, F. Aureli[161] **(RACE)**

- 11:30 AM** SOCIAL BUFFERING AND CONTACT TRANSMISSION: NETWORK CONNECTIONS HAVE BENEFICIAL AND DETRIMENTAL EFFECTS ON SHIGELLA INFECTION RISK AMONG CAPTIVE RHESUS MACAQUES
K. N. Balasubramaniam, B. A. Beisner, J. J. Vandeleest, R. Atwill, B. McCowan[162] **(RACE)**
- 09:00 AM-10:45 AM:** SYMPOSIUM: GENETIC APPROACHES TO PRIMATE BEHAVIOR Chairs: Nicky Staes and Alexander Weiss (Grand Ballroom) [163]
- 09:00 AM** CANDIDATE GENES FOR PERSONALITY IN COMMON MARMOSETS, *CALLITHRIX JACCHUS*
A. Weiss, C. Yokoyama, A. Kawasaki, C. Takeda, M. Inoue-Murayama[164]
- 09:15 AM** *FOXP2* VARIATION IN WILD GREAT APE POPULATIONS OFFERS POTENTIAL INSIGHTS INTO VARIATION IN COMMUNICATION
N. Staes, C. C. Sherwood, K. M. Wright, M. D. Montero, J. J. Ely, W. D. Hopkins, B. J. Bradley[165]
- 09:30 AM** AN INTEGRATIVE APPROACH FOR EVALUATING RHESUS MACAQUE SOCIAL BEHAVIOR: WHOLE GENOME SEQUENCING REVEALS A NATURAL LOSS-OF-FUNCTION MUTATION IN THE NEURONAL SCAFFOLDING PROTEIN *GRIP1*
M. J. Montague, N. Snyder-Mackler, S. Madlon-Kay, L. J. Brent, J. H. Skene, J. E. Horvath, M. L. Platt[166]
- 09:45 AM** MICROSATELLITES IN THE NON-CODING REGION OF ARGININE VASOPRESSIN RECEPTOR 1A GENE (*AVPR1A*) IMPACT RECIPROCAL SOCIO-COMMUNICATIVE BEHAVIOR IN CAPTIVE CHIMPANZEES, *PAN TROGLODYTES*
J. P. Tagliatalata, S. A. Skiba, R. Evans, W. D. Hopkins[167]
- 10:00 AM** WHOLE EXOME SEQUENCING IDENTIFIES A *GABRA6* VARIANT THAT PREDICTS ALCOHOL RESPONSE AND CONSUMPTION IN RHESUS MACAQUES
C. S. Barr, C. A. Driscoll, S. G. Lindell, S. J. Suomi, J. D. Higley[168]
- 10:15 AM** PRIMATE SOCIOGENOMICS: HOW SOCIAL BEHAVIOR CHANGES THE GENOME IN OLD WORLD MONKEYS
J. Tung[169]
- 10:30 AM** EXPLORING THE SHARED GENETIC CONTRIBUTIONS TO *PERSONALITY* AND BRAIN STRUCTURAL COVARIATION IN CHIMPANZEES (*PAN TROGLODYTES*)
R. D. Latzman, W. D. Hopkins[170]
- 11:00 AM-12:30 PM:** AJP EDITORIAL BOARD LUNCHEON (State Room) [171]
- 11:30 AM-12:30 PM:** FROM BACKPACK TO BRIEFCASE: TRANSITIONING FROM GRADUATE SCHOOL TO THE WORK PLACE
Chair: Karen Hambricht (National Ballroom Salon B) [172]
- 11:45 AM-01:00 PM:** LUNCH ON YOUR OWN (Washington Plaza Hotel) [173]
- 01:00 PM-02:45 PM:** SCIENCE POLICY ROUNDTABLE PART 2: PRIMATES, POLICY, AND PUBLIC PERCEPTION: Chairs: Brett Frye, Amy Ryan, and Morgan Chaney (Grand Ballroom) [174]
- 03:00 PM-04:00 PM:** PAST PRESIDENT'S ADDRESS: PRIMATE FAMILIES: SOCIAL MONOGAMY, COOPERATIVE BREEDING, AND ASP (Grand Ballroom) [177]
- 04:00 PM-05:00 PM:** EARLY CAREER AWARD ADDRESS: *AMERANTHROPOIDES LOYSI*: EXAMINING THE MOST SOUNDED PRIMATOLOGICAL HOAX (Grand Ballroom) [178]
- 05:00 PM-07:00 PM:** EXECUTIVE COMMITTEE MEETING (Grand Ballroom) [179]
- 07:30 PM-08:30 PM:** TRIVIA NIGHT: 40 YEARS OF ASP HISTORY...AND MORE! (National Ballroom AB) [180]
- 08:30 PM-10:00 PM:** WILEY RECEPTION HONORING PAUL GARBER, AJP EXECUTIVE EDITOR (Lapidus Suite) [181]
- Monday, August 28, 2017 : Day 4
- 07:00 AM-08:45 AM:** BOARD OF DIRECTORS MEETING (Lapidus Suite) [182]
- 09:00 AM-09:20 AM:** OPENING REMARKS (Grand Ballroom) [183]
- 09:20 AM-11:30 AM:** INTERDISCIPLINARY SYMPOSIUM: MARMOSETS AS A TRANSLATIONAL MODEL FOR AGING STUDIES
Chair: Corinna Ross (Grand Ballroom) [184] **(RACE)**
- 09:20 AM** MARMOSETS AS A TRANSLATIONAL AGING MODEL
S. Tardif[185] **(RACE)**
- 09:40 AM** THE COMMON MARMOSET (*CALLITHRIX JACCHUS*) AS A MODEL FOR AGE-RELATED HEARING LOSS
M. D. Valero, R. Ratnam[186] **(RACE)**
- 10:00 AM** HIGH-RESOLUTION METABOLOMICS TO MONITOR METABOLIC RESILIENCE IN MARMOSET AGING
D. Jones, A. Todor, S. Li, S. D. Tardif, J. F. Hoffman, D. E. Promislow[187] **(RACE)**
- 10:20 AM** HORMONAL MODULATION OF NEUROCOGNITIVE AGING IN MARMOSETS (*CALLITHRIX JACCHUS*)
A. Lacreuse[188] **(RACE)**
- 10:40 AM** DEVELOPMENT OF TRANSGENIC MARMOSET MODELS OF BRAIN FUNCTION AND NEURODEGENERATIVE DISEASES
A. C. Silva[189] **(RACE)**
- 11:00 AM** THE FUTURE OF MARMOSET AGING RESEARCH, INTERVENTION TESTING AND BEYOND
C. N. Ross[190] **(RACE)**
- 11:20 AM** DISCUSSION
- 11:30 AM-12:30 PM:** LUNCH ON YOUR OWN (Washington Plaza Hotel) [192]

- 12:30 PM-03:00 PM:** SYMPOSIUM: NEW INSIGHTS INTO AFRICAN APE DEVELOPMENT FROM LONG-TERM FIELD STUDIES
Chair: Elizabeth Lonsdorf (Grand Ballroom) [208] (RACE)
- 12:30 PM** CAUSES OF INFANT MORTALITY AND MATERNAL RESPONSES TO INFANT DEATH IN WILD CHIMPANZEES (*PAN TROGLODYTES*)
E. Lonsdorf, C. M. Murray, M. L. Wilson, K. K. Walker, E. Boehm, A. E. Pusey[209] (RACE)
- 12:45 PM** MUSCULOSKELETAL GROWTH IN WILD CHIMPANZEES WITH IMPLICATIONS FOR SOCIAL BEHAVIOR
Z. Machanda, N. Brazeau, E. Castillo, E. Otarola-Castillo, H. Pontzer, M. Emery Thompson, M. Muller, R. Wrangham[210] (RACE)
- 01:00 PM** CHALLENGES DURING THE POST-WEANING PERIOD FOR WILD CHIMPANZEES.
K. Walker, D. Travis, A. E. Pusey, E. Lonsdorf[216] (RACE)
- 01:15 PM** DENTAL EMERGENCE IN WILD VIRUNGA MOUNTAIN GORILLAS (*GORILLA BERINGEI BERINGEI*) FROM RWANDA
S. C. McFarlin, J. Galbany, M. M. Vakiener, D. Abavandimwe, M. R. Cranfield, W. Eckardt, A. Mudakikwa, F. Ndagijimana, T. S. Stoinski[217] (RACE)
- 01:30 PM** FACTORS INFLUENCING DEVELOPMENTAL ENAMEL DEFECTS UNDERSTOOD TO RECORD STRESS IN WILD GREAT APES
K. McGrath, D. Guatelli-Steinberg, S. El Zaatari, K. Arbenz-Smith, D. J. Reid, M. R. Cranfield, T. S. Stoinski, T. G. Bromage, A. Mudakikwa, S. C. McFarlin[211]
- 01:45 PM** MIXED EVIDENCE FOR ECOLOGICAL RISK AVERSION IN JUVENILE WILD CHIMPANZEES (*PAN TROGLODYTES SCHWEINFURTHII*) AT GOMBE NATIONAL PARK, TANZANIA
J. C. Winans, K. R. Wellens, E. V. Lonsdorf, C. M. Murray[212]
- 02:00 PM** EXPLAINING PLAY PARTNER PREFERENCES AMONG KANYAWARA CHIMPANZEES: ARE MALES SPECIFICALLY TARGETED AS PARTNERS OR ARE THEY SIMPLY MORE WILLING TO PLAY?
K. H. Sabbi, M. E. Thompson, M. N. Muller, E. Otali, Z. Machanda, R. W. Wrangham[213]
- 02:15 PM** MATERNAL GREGARIOUSNESS DURING EARLY INFANCY PREDICTS OFFSPRING SOCIAL PATTERNS IN ADULTHOOD IN WILD CHIMPANZEES
K. R. Wellens, M. A. Stanton, A. E. Pusey, E. V. Lonsdorf, C. M. Murray[214]
- 02:30 PM** SOCIAL BONDS DURING THE TRANSITION TO ADULTHOOD IN MALE CHIMPANZEES
A. A. Sandel[215]
- 02:45 PM** DISCUSSION A. Pusey
- 12:45 PM-02:00 PM:** CONTRIBUTED TALKS: PARENTAL INFLUENCES AND INFANT DEVELOPMENT Chair: Sian Evans (National Ballroom Salon A) [193] (RACE)
- 12:45 PM** EARLY LIFE MEASURES OF TEMPERAMENT PREDICT HAIR CORTISOL AND RANK ATTAINMENT FOLLOWING NEW GROUP FORMATION IN CAPTIVE RHESUS MACAQUES (*MACACA MULATTA*)
J. B. Linden, B. McCowan, J. P. Capitanio, L. A. Isbell[194]
- 01:00 PM** DEVELOPMENT OF INDEPENDENCE IN AN INFANT WESTERN LOWLAND GORILLA (*GORILLA GORILLA GORILLA*) AT THE PHILADELPHIA ZOO
C. Pavia, T. FITZGERALD, B. ANANTHA, S. DEWALD, A. HALLENBECK, A. BROOKS, A. ZABINKSI, R. CHANCELLOR[195]
- 01:15 PM** EFFECTS OF MATERNAL-INFANT GAZING ON INFANT NEUROBEHAVIORAL DEVELOPMENT IN SOCIALLY HOUSED RHESUS MACAQUES (*MACACA MULATTA*)
A. M. Murphy, K. L. Byers, L. J. Wooddell, M. Miller, S. J. Suomi, A. M. Dettmer[196]
- 01:30 PM** CAREGIVER RESPONSES TO INFANT LION TAMARIN BEGGING VOCALIZATIONS ARE INFLUENCED BY GROUP SIZE, INDIVIDUAL AGE, SEX, AND REPRODUCTIVE STATUS
S. Hankerson, J. M. Siani, J. M. Dietz[197] (RACE)
- 01:45 PM** TWINNING AND EVIDENCE FOR HETEROPATERNITY IN RING-TAILED LEMURS (*LEMUR CATTALINA*) FROM ST. CATHERINES ISLAND, USA
J. A. Parga, S. Nansen[198] (RACE)
- 12:45 PM-02:45 PM:** CONTRIBUTED TALKS: SOCIAL BEHAVIOR Chair: Emily Rothwell (National Ballroom Salon B) [199]
- 12:45 PM** THE EFFECT OF INDIVIDUAL DIFFERENCES ON CALLING RATES ACROSS THE VOCAL REPERTOIRE OF THE MALE RING-TAILED LEMUR (*LEMUR CATTALINA*)
L. M. Bolt[200]
- 01:00 PM** THE ADAPTIVE VALUE OF SOCIO-COMMUNICATIVE BEHAVIOR
S. A. Skiba, W. D. Hopkins, J. P. Tagliacola[201]
- 01:15 PM** STRESS AS A COST OF SOCIALITY IN WILD *PONGO PYGMAEUS WURMBII* IN GUNUNG PALUNG NATIONAL PARK, WEST KALIMANTAN, INDONESIA
C. A. O'Connell, C. D. Knott[202]

01:30 PM CENTRALITY AND SOCIAL POWER: INDIVIDUAL ROLES IN A SOCIAL NETWORK OF A CAPTIVE GROUP OF HAMADRYAS BABOONS (*PAPIO HAMADRYAS*)

L. M. Radosevich, K. E. Jaffe, D. E. Minier, W. Clack, K. Gretler[203]

01:45 PM EVALUATING THE ASSOCIATION BETWEEN RELATIONSHIP SATISFACTION AND PHYSIOLOGICAL LINKAGE IN HUMAN COUPLES (*HOMO SAPIENS*) AND PAIRS OF SOCIALLY MONOGAMOUS TITI MONKEYS (*CALLICEBUS CUPREUS*).

E. S. Rothwell, R. W. Levenson, K. L. Bales[204]

02:00 PM CHANGES IN ASSOCIATION OF AGING WILD MALE CHIMPANZEES (*PAN TROGLODYTES SCHWEINFURTHII*, OF THE KANYAWARA COMMUNITY, KIBALE NATIONAL PARK, UGANDA

L. Hagberg, M. Emery Thompson, M. Muller, E. Otali, R. Wrangham, Z. Machanda[205]

02:15 PM ECOLOGICAL CORRELATES OF SOCIAL BEHAVIOR IN WILD BONOBOES (*PAN PANISCUS*)

C. M. Brand, A. J. Hickmott, K. J. Boose, F. J. White[206]

02:30 PM HOW DO A MALE'S PHYSIOLOGICAL AND SOCIAL PROFILES PREDICT RANK DURATION AND MATING SUCCESS?

R. Habig, D. A. Jansen, L. Gesquiere, J. Altmann, S. C. Alberts, E. A. Archie[207]

02:00 PM-03:00 PM: CONTRIBUTED TALKS: FEEDING, NUTRITION AND METABOLISM Chair: Toni Ziegler (National Ballroom Salon A) [218] **(RACE)**

02:00 PM AN EVOLUTIONARY BASIS FOR VITAMIN D METABOLISM IN THE BABOON, *PAPIO* SPECIES: CAPTIVE AND FERAL

T. E. Ziegler, A. Kapoor, N. Binkley, K. S. Rice, J. Rogers, C. J. Jolly, J. Phillips-Conroy[219] **(RACE)**

02:15 PM VITAMIN D STATUS IN WILD TOQUE MACAQUES (*MACACA SINICA*) IN SRI LANKA

M. L. Power, W. P. Dittus[220] **(RACE)**

02:30 PM NUTRITIONAL STRATEGIES OF FEMALE REDTAIL MONKEYS (*CERCOPITHECUS ASCANIUS*) IN UGANDA

M. A. Bryer, D. Raubenheimer, J. M. Rothman[221] **(RACE)**

02:45 PM UNPRECEDENTED EUKARYOTIC GUT MICROBIOME DIVERSITY IN MACAQUES (*MACACA FASCICULARIS*) OF SINGAPORE AND BALI, INDONESIA

J. J. Wilcox, H. Hollocher[222]

03:30 PM-05:30 PM: BUSINESS MEETING (National Ballroom Salon B) [223] [Add To Schedule]

05:30 PM-05:30 PM: SILENT AUCTION CLOSES (Thomas Circle Suite Salon A) [224]

06:30 PM-12:00 AM: ASP BANQUET (Grand Ballroom) [225]