



**VI Meeting  
of the Northeastern Evolutionary  
Primatologists  
November 13-14, 2020**

**LOCATION:** The 2020 conference will be held virtually. Registrants will be sent a link with the login/password that will enable their access to the secure conference website, via which they can easily peruse abstracts and navigate to Podium Session links, the Poster Session link, and other conference-related links.

**PODIUM PRESENTATIONS**

The talks are scheduled for 15 minutes with 12 minutes for the presentation itself and 3 minutes for Q&A. Please have your talk ready to share before your scheduled time within each session.

**POSTER PRESENTATIONS**

Posters should have landscape orientation to maximize their visibility when shared via Zoom. During the poster session, each presenter will be placed in their own Zoom Breakout Room, others may choose to drop in at any time during the poster session to ask questions of the presenter, during which time presenters should have their poster visible using Share Screen capability.

**\*\*PLEASE NOTE:** You must update Zoom (to v5.3.0 or higher) in order to self-select Breakout Rooms. Please be sure to update Zoom prior to Friday!

**GENERAL MEETING**

We will have a NEEP General Meeting on Saturday after the afternoon coffee break and before the poster session. All attendees are encouraged to attend!

**CONFERENCE ORGANIZATION**

Andrea Baden, Marina Cords, Alex DeCasien, Eva Garrett, Sue Margulis, Stephanie Poindexter, and Christopher Schmitt. We also thank all the many volunteers helping during the conference.

**ABSTRACT and PROGRAM COMMITTEE**

Marina Cords, Eva Garrett, Sue Margulis, Stephanie Poindexter, Lauren Halenar-Price, and Christopher Schmitt

# Meeting Program

## FRIDAY, November 13<sup>th</sup>, 2020

- 06:00-06:10 pm **Welcome**  
 06:10-07:00 pm **Keynote Talk**  
**Navigating the night: moving towards conservation through slow loris research**  
 Stephanie A Poindexter, University at Buffalo, New York

**Location:** [Zoom Link](#)

- 07:00-09:00 pm **Virtual Reception**  
**Randomized Breakout rooms + Catchup rooms**

## SATURDAY, November 14<sup>th</sup>, 2020

- 08:55-09:00 am **Welcome**

### Session 1: Social Behavior and Reproduction. Chair: Stephanie Poindexter

- 09:00-09:15 am **Consistent individual differences in the behavioral stress response of a wild primate**  
 Pritchard, A. J., Palombit, R.A.
- 09:15-09:30 am **Selective use of aggression and fitness correlates in male hamadryas baboons**  
 Evans, K.D., Swedell, L., Chowdhury, S.
- 09:30-09:45 am **The mating system of the Kinda baboon is kinda different**  
 Petersdorf, M., Weyher, A.H., Higham, J.P.
- 09:45-10:00 am **Female choice and sexual coercion in wild orangutans (*Pongo pygmaeus wurmbii*)**  
 Scott, A.M., Susanto, T.W., Knott, C.D.
- 10:00 -10:15 am **Are demographic correlates of white-faced Capuchin Monkeys (*Cebus capucinus*) “Gargle and Twargle” Vocalization rates consistent with the Infanticide Risk Assessment Hypothesis?**  
 Duchesneau, A., Edelberg, D., Perry, S.
- 10:15-10:45 am **Break**

### Session 2: Evolution and Genetics. Chair: Caitlin O’Connell

- 10:45-11:00 am **Phylogenetic analysis of the UCP1 gene in primates reveals clade-specific structural variation**  
 Gagnon, C.M., Schmitt, C.A.
- 11:00-11:15 am **Patterns of sex-biased gene expression in rhesus macaque brains are similar to those observed in human brains**  
 DeCasien, A.R., Chiou, K.L., Montague, M.J., Sherwood, C.C., Platt, M.L., Martinez, M.I., Bauman, S.E., González, O., Snyder-Mackler, N., Higham, J.P.
- 11:15-11:30 am **Ecology and opsin variation underscore the evolution of hair phenotypes across Indriidae lemurs – implications for human evolution**  
 Tapanes, E., Jacobs, R.L., Harryman, I., Louis Jr, E.E., Irwin, M.T., Kamilar, J.M., Bradley, B.J.

- 11:30am-11:45 pm     **Phylogenetic analysis of sex-biased natal dispersal in primates**  
Maynard, K.Q., Poindexter, S.A.
- 11:45-12:00 pm     **Delving into the nuclear genome of an extinct, giant ‘subfossil’ koala lemur *Megaladapis edwardsi***  
Marciniak, S., Mughal, M.R., Godfrey, L.R., Bankoff, R.J., Randrianatoandro, H., Crowley, B.E., Bergey, C.M., Muldoon, K.M., Randrianasy, J., Raharivololona, B.M., Miller, W., Schuster, S.C., Malhi, R.S., Yoder, A.D., Louis Jr., E.E., Kistler, L., Perry, G.

12:00-01:15 pm     **Lunch Break**

### **Session 3: Morphology and Ecology. Chair: Erin Kane**

- 1:15-1:30 pm     **Contemporary variation in human eccrine sweat gland density**  
Best, A.W., Lieberman, D.E., Kamilar, J.M.
- 1:30-1:45 pm     **Behavioral evidence of wild Bornean orangutans navigating to non-fruit foods – implications for fallback foods**  
DiGiorgio, A.L., Susanto, T.W., Knott, C.D.
- 1:45-2:00 pm     **Social factors predict global and local measures of female olive baboon (*Papio anubis*) spatial position.**  
Winans, J.C., Markham, A.C.
- 2:00-2:15pm     **Frugivory, seed dispersal, and seed predation by Bornean orangutans (*Pongo pygmaeus wurmbii*)**  
Blackburn, A., Susanto, T. W., Knott, C.D.
- 2:15-2:30 pm     **Predicting suitable habitat for the critically endangered yellow-tailed woolly monkey (*Lagothrix flavicauda*) in Peru**  
Zarate, M.A., Shanee, S., Schmitt, C.A.
- 2:30-3:15 pm     **General Meeting**  
Agenda forthcoming
- 3:30-5:00 pm     **Poster Session**
- 5:30     **Student Awards**

### **POSTER PRESENTATIONS (ALPHABETICAL BY FIRST AUTHOR, except last one!)**

1.     **Post-release survival rates and welfare of rehabilitated vervet monkeys in Malawi**  
Angley, L.A., Schmitt, C.A., Sievert, O., Lee Salb, A.
2.     **Expression conservation of COVID-19 related genes in primates**  
Beck, A.F., DeCamp, R.M., Bergey, C.M.
3.     **Characterizing wild lemur microbiomes across multiple body regions in southwest Madagascar**  
Bell, R.B., Lawler, R.R., Ratsirarson, J., Ranaivonasy, J., Leduc, R., Kamilar, J.M.
4.     **Who do eponyms honor? A call to remove people’s names from primate vernacular names**  
Chen-Kraus C., Widness, J., Guevara, E. E., Meier, K., Farmer, C.  
Watts, D. P.
5.     **Evolution of the primate prefrontal cortex transcriptome**  
Claypool, C.G., Zintel, T.M., Pizzollo, J., Kamilar, J.M., Ely, J.J., Raghanti, M.A., Hopkins, W.D., Hof, P.R., Sherwood, C.C., Bauernfeind, A.L., Babbitt, C.C.

6. **Oral processing, folivory, and premolar size in eight cercopithecoid monkeys (GR)**  
Fannin, L.D., Guatelli-Steinberg, D., Arft-Guatelli, J., Dunham, N.T., Traff, J.N., Polvadore, T., Donaldson, A., Cunneyworth, P., Daegling, D.J., McGraw, W.S.
7. **Can listeners distinguish individual alarm callers? The many forms of the habituation-dishabituation paradigm**  
Fuong, H., Cords, M.
8. **Parasitic load in grey-bellied owl monkeys (*Aotus lemurinus*) living within city limits of Manizales, Colombia**  
Gonzalez Vanegas, P., Šešelj, M., Cañon-Franco, W.A.
9. **A comparison of great ape life histories in captivity**  
Harwell, F.S., Knott, C.D.
10. **Factors influencing taxonomic unevenness in scientific research: A mixed-methods case study of non-human primate genomic sequence data generation**  
Hernandez, M., Shenk, M.K., Perry, G.H.
11. **A comparative analysis of nursing in captive infant lowland gorillas (*Gorilla gorilla gorilla*)**  
Kilburn, S.M., Stuart, T., Bobst S., Perretti, A., Holm, M., Fitzgerald, T., Pavia, C., Chancellor, R.
12. **Body size, weaponry, and male-male competition in rhesus macaques**  
Kimock, C.M., Brent, L.J.N., Dubuc, C., Higham, J.P.
13. **Hair microbiome diversity within and across 12 primate species**  
Kitrinos, C.E., Bell, R.B., Bradley, B.J., Kamlar, J.M.
14. **Characterizing population variation in the ASPM gene region among savanna monkeys (*Chlorocebus spp.*)**  
Louisior, K., Christian M. Gagnon, C.M., Svardal, H., Jasinska, A.J., Freimer, N.B., Grobler, J.P., Turner, T.R., Schmitt, C.A.
15. **Conservation impact and implications of orangutan rehabilitation Youtube videos**  
Mulrain, I.R., Heaning, E.G., Freund, C.A., McCann, J.B., DiGiorgio, A.L.
16. **Is relative enthesal length indicative of locomotor repertoire?**  
Otero, A.R., Gordon, A.D.
17. **Exploring the relationship between abiotic factors and large-scale primate movement**  
Paige, L.A., Rich, A.M., Poindexter, S. A.
18. **Evaluating artificial enrichment on the activities of captive western lowland gorillas (*Gorilla gorilla gorilla*)**  
Perretti, A., Vandever, M., Pavia, C., Chancellor, R.
19. **A geometric morphometric analysis of sexual dimorphism in Cercopithecoids**  
Pinkston, E.F.E., Allen, K.M., von Cramon-Taubadel, N.
20. **Variation in galago nasal cavity morphology**  
Romano, M.L., Vega, C.A., Poindexter, S.A.
21. **The frequency of bipedalism in captive apes and cercopithecoid monkeys**  
Rosen, K.H., DeSilva, J.M.
22. **Coalition formation in blue monkeys**  
Rotter, K.I., Cords, M.
23. **Bimaturism and movement ecology: A comparison between Bornean and Sumatran males**  
Short, F.T., Alavi, S.E., Schuppli, C., Setia, T.M., Vogel, E.R.
24. **Solitary and social play behavior in captive lowland gorillas (*Gorilla gorilla gorilla*)**  
Strong, K.A., Margulis, S.W.
25. **Investigating selection in the PLIN2 (Perilipin-2) gene among wild savanna monkeys (*Chlorocebus spp.*)**

- Sun, E.Y., Gagnon, C.M., Svardal, H., Jasinska, A.J., Freimer, N.B., Grobler, J.P., Turner, T.R., Schmitt, C.A.
26. **Condensed tannins in the diet of diademed sifakas (*Propithecus diadema*): prevalence in diet and their effects on protein digestibility on protein digestibility**  
Thurau, E.G., Irwin, M.
27. **Analyzing threat types in relation to extinction risk of primates**  
Vega, C.A., Rich, A.M., Maynard, K.Q., Poindexter, S.A.
28. **Deforestation rates vary by forest type between protected and unprotected regions in Madagascar**  
Westphal, D.R., Jiang, J., Gu, C.
29. **Home range overlap in female Bornean orangutans: responses to fluctuations in food availability**  
Zdanowicz, V.R., Blackburn, A., Susanto, T.W., Knott, C.D.
30. **Investigating selection in the CXCR6 gene in wild savanna monkeys**  
Hilsenrath, J.M., Gagnon, C.M., Svardal, H., Jasinska, A.J., Freimer, N.B., Grobler, J.P., Turner, T.R., Schmitt, C.A.