



**VII Meeting
of the Northeastern Evolutionary
Primatologists**
November 5-6th, 2021

LOCATION:

The 2021 conference is hosted by Boston University, and generously sponsored by the BU Departments of Anthropology and Biology, and College of Arts & Sciences Dean's Office.

Life Science and Engineering Building (LSE)
24 Cummington Mall (nearest cross-street is Blandford St)
Boston, MA 02215

On-site Registration and Check-In: LSE Room 103 (directly across the foyer from the entrance)

Keynote and Podium Presentations: LSE Room B01 (down the central staircase in the foyer, to the right)

Opening Reception and Lunch: LSE Room B03 (down the central staircase, in the hall opposite B01 entrance)

Poster Session: LSE foyer

Poster Presentation Guidelines:

Posters should be in portrait orientation, no larger than 4 feet high and 3 feet wide (however, we recommend you reduce these dimensions by 2-3" in either direction to ensure there is no overhang). Thumbtacks to hang your poster will be provided. To hang your poster, please look for the board with the number associated with your presentation, below. We recommend you hang your poster Friday evening, and no later than Saturday before talks begin.

Podium Presentation Guidelines:

Podium talks will be 12 minutes long, followed by a 3-minute Q&A session. **Please bring your slides on a flash drive or USB in PPT format**, as Keynote software is not available on the presentation computer. **We will collect your slides upon check-in on November 5**, so please bring your flash/USB to check-in (LSE 103).

NETWORKING LUNCH

Lunch (catered by local, family-owned Armenian Lebanese restaurant *anoush'ella*) will be available Saturday afternoon in LSE B03, with seating in either LSE B03 or LSE 103. Each registrant is assigned a table, in advance, represented by a primate genus (written on your name tag). Please sit at your assigned table *prior* to selecting your meal; each table will be called in turn by conference organizers to avoid over-crowding.

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, Eva Garrett, Jessica Gunson, Cheryl Knott, Sue Margulis, Stephanie A. Poindexter, and Christopher Schmitt. We also thank all the many volunteers helping during the conference.

Meeting Program

FRIDAY, November 5th, 2021

- 06:00-06:10 pm **Welcome**
- 06:10-07:00 pm **Keynote Talk: Dr. Martin Surbeck: “Cooperation and Competition in Bonobos”**
Room LSE B01
- 07:00-09:00 pm **Welcome Reception**
Snacks and Drinks provided (cash bar following one complimentary drink)

SATURDAY, November 6th, 2021

- 08:00 am **Breakfast and Registration**
Room: LSE 103

- 8:50-09:00 am **Welcome**
Room: LSE B01

Session 1: Ecology and Life History Chair: Christopher Schmitt

- 09:00-09:15 am **Carbon and strontium isotope ratios shed new light on the paleobiology and collapse of *Theropithecus*, a primate experiment in graminivory**
Fannin, L. D., Yeakel, J. D., Venkataraman, V. V., Seyoum, C., Geraads, D., Fashing, P. J., Nguyen, N., Fox-Dobbs, K., and Dominy, N. J.
- 09:15-09:30 am **Stratigraphy of leaf structure and isotope ratios within a tropical rainforest canopy in West Africa with implications for primate feeding and isotope ecology**
Lowry, B. E., Wittig, R. M., Pittermann, J., and Oelze, V. M.
- 09:30-09:45 am **More Mouths to Feed? Gregariousness, group size, and foraging efficiency**
Ekanayake-Weber, M., Cunha, D., Joshi, S., Olsen, P., Payen, N., Mathew, N., Grimm, V., and Koenig, A.
- 09:45-10:00 am **High synchrony of female lactation within groups decreases survival odds for infant savannah baboons**
Winans, J.C., Alberts, S.C., and Markham, A.C.
- 10:00 -10:15 am **Age and sex related variation in urinary neopterin in wild Bornean orangutans**
O'Connell, C.A., Naumenko, D.J., Utami Atmoko, S.S., and Vogel, E.R.
- 10:15-10:35 am **Break**

Session 2: Primates and Humans Chair: Cheryl Knott

- 10:40-10:55 am **The Energetics of Habituation in Wild Bornean Orangutans in Gunung Palung National Park, Indonesia**
Brubaker-Wittman, L.A., Kane, E.E., Knott, C.D., and Susanto, T.W.
- 10:55-11:10 am **Current Distribution and Predicted Suitable Habitat for the Critically Endangered Yellow-tailed Woolly Monkey (*Lagothrix Flavicauda*) in Peru**
Zarate, M., Shanee, S., and Schmitt, C. A.

Session 3: Mating Systems Chair: Cheryl Knott

- 11:10-11:25 am **Low Reproductive Skew among Flanged Male Orangutans in Gunung Palung National Park, Borneo, Indonesia**
Scott, A.M., Banes, G.L., Setiadi, W., Saragih, J.R., Susanto, T.W., Mitra Setia, T., and Knott, C.D.
- 11:25-11:40 am **Physiological and behavioral correlates of male morphological variation in woolly monkeys (*Lagothrix lagotricha poeppigii*) in Yasuní, Ecuador**
Pain, E. L., Koenig, A., Di Fiore, A., and Lu, A.
- 11:40 am-11:55am **The Impacts of Mating System on Sperm Gene Evolution in Primates**
DeCamp, R.M., Trujillo, A.E., Tilton, K.M., Pozzi, L., Disotell, T.R., Tosi, A.J., Burrell, A.S., and Bergey, C.M.
- 12:00-01:00 pm **Lunch** (provided by anoush'ella)

Session 4: Social Behavior Chair: Eva Garrett

- 1:05-1:20 pm **Socio- and cognitive ecology of zoologically-housed western lowland gorillas (*Gorilla gorilla gorilla*): spacing and behavior as a function of resource distribution**
Jones, C.E., Floren, M., Mattingly, K., Lowe, R.C., and Fragaszy, D.M.
- 1:20-1:35 pm **Social strategies of male bonobos during intergroup encounters**
Cheng, L., Samuni, L., Lucchesi, S., Deschner, T., and Surbeck, M.
- 1:35-1:50 pm **Dyadic response facilitation in the expression of object play in Balinese long-tailed macaques**
Sciaky, L., Weil, R., Gunst, N., Wandia, I.N., and Leca, J.B.
- 1:50-2:05pm **The social and selfish motivations of same-sex sociosexual behavior in Bonobos**
Fornof, L.J., Samuni, L., and Surbeck, M.
- 2:05-2:50pm **General Meeting**
Agenda forthcoming
- 3:00-5:00 pm **Poster Session** (LSE Foyer)
- 5:30 **Student Awards** (sponsored by the *American Journal of Primatology*, *American Journal of Biological Anthropology*, and *Evolutionary Anthropology*)

POSTER PRESENTATIONS

1. **Assessing Playfulness as a Trait of Leadership in High-ranking Male Chimpanzees**
Alvarez Roman, R.A.*, Sabbi, K., Emery Thompson, M., Muller, M.N.M., and Wrangham, R.W.
2. **Genetic correlates of iron accumulation across non-human primates**
Beck, A.*, DeCamp, R.M., Tilton, K.M., Disotell, T.R., Tosi, A.J., Burrell, A.S., and Bergey, C.M.
3. **Assessing Primate Extinction Risk Without Sufficient Data**
Dackiw, M.*, Machanda, Z., and Reed, M.
4. **Talking about diets: recent trends in primate diet reporting**
D'Orazio, J.G.* and Poindexter, S.A.
5. **Use of aggression and its value in the maintenance of a complex multilevel society**
Evans, K.D.*, Chowdhury, S., and Swedell, L.
6. **A method for estimating supraclavicular brown adipose tissue volume using CT scans**
Gagnon, C.M.*, Kavanagh, K., and Schmitt, C.A.
7. **Facial Widths in the Three Adult Morphs of Orangutans**
Harwell, F.S.*, Albert, Z.E., and Knott, C.D.
8. **Frontal Sinus Volume in South African Crania**
Hernandez, E.A.*, Post, N.W., Mngomezulu, V., Mongle, C.S., and Grine, F.E.
9. **Orangutan conservation on YouTube: The importance of storytelling in productive messaging**

Hyde, M.C.*, Freund, C.A., Adams, J.K., and DiGiorgio, A.L.

10. **The effect of sampling schedule on characterization of the diet in a living primate.**
Johnston, A.I.* and Cords, M.
11. **Dental Development in a ca. 3.5-million-year-old hominin juvenile from the Turkana Basin, Kenya**
Kollmer, W.P., Greening, V.A.*, Mongle, C.S., Grine, F.E.
12. **The seasonality of social play among adult and adolescent wild chimpanzees (*Pan troglodytes schweinfurthii*)**
Kurilla, S.*, Sabbi K.H., Emery Thompson, M., Muller, M.N., Wrangham, R.W., and Machanda, Z.
13. **Wild Chimpanzee Tool Use for Drinking Varies Depending on Water Source**
Mackenzie, C.*, Sabbi, K., Rosati, A., Emery Thompson, M., Muller M.N., Wrangham, R.W., and Machanda, Z.
14. **Movement speed towards shared latrine sites by southern bamboo lemurs indicates cautionary behavior**
Maynard, K.Q.*, Eppley, T.M., and Poindexter, S.A
15. **Behavioral implications of the complete absence of guests on a zoo-housed gorilla troop**
Miller, M.E.*, Robinson, C.M*, and Margulis, S.W.
16. **Early life adversity has long-term effects on sociality and interaction style in female baboons**
Patterson, S.K.*, Strum, S.C., and Silk, J.B.
17. **The use of fossil primate outgroups improves support for hominin and hominoid cladistic relationships**
Post, N.W.*, Gilbert, C.C., Pugh, K.D., and Mongle, C.S.
18. **Non-invasive measure of triiodothyronine (T3) in feces of adult and juvenile olive baboons (*Papio anubis*)**
Raboin, D.L.*, Pritchard, A.J., Palombit, R.A., and Vogel, E.R.
19. **Dietary Diversity and Brain Size Across Primates**
Romano, M.L.*, Maynard, K.Q., and Poindexter, S.A.
20. **The effects of wildfire on behavior and energetics in wild Bornean orangutans (*Pongo pygmaeus wurmbii*) in Central Kalimantan, Indonesia**
Rosenthal, G.*, DiGiorgio, A., Naumenko, D.J., Atmoko, S.S.U., and Vogel, E.R.
21. **Reluctant male responses to female sexual solicitations in wild Kenyan blue monkeys (*Cercopithecus mitis*): the influence of male residence status**
Schembari, S.* and Cords, M.
22. **Investigating selection in the PLIN2 (Perilipin-2) gene among wild savanna monkeys (*Chlorocebus* spp.)**
Sun, E.*, Gagnon, C.M., Svardal, H., Jasinska, A.J., Freimer, N.B., Grobler, J.P., Turner, T.R., and Schmitt, C.A.
23. **Adaptive evolution of Plasmodium-associated genes in primates**
Tilton, K.M.*, Trujillo, A.E., DeCamp, R.M., Disotell, T.R., Tosi, A.J., Burrell, A.S., and Bergey, C.M
24. **Costs and benefits of allomaternal care in wild Phayre's leaf monkeys**
Vee, S.*, Borries, C., Larney, E., and Koenig, A.
25. **The IUCN Section on Great Apes Working Group on Chimpanzee Cultures: a new tool for addressing the role of culture in conservation**
Wessling, E.G.*, Sanz, C., Abwe, E., Almeida-Warren, K., Arandjelovic, M., Carvalho, S., Hobaiter, C., Humle, T., Kalan, A., Koops, K., Luncz, L., Pascual-Garrido, A., Piel, A., and Samuni, L.
26. **Oral Processing Behavior in Bornean Orangutans of Different Age and Sex Classes**
Wyszynski, S.I.*, Kane, E.E., Blakely, T., Rinadi, A., Susanto, T.W., and Knott, C.D.
27. **Fiber Digestibility in Wild Bornean Orangutans: Age-Sex Class Differences and Implications for Slow Juvenile Growth**
Zdanowicz, V.R.*, Kane, E.E., Susanto T.W., and Knott, C.D.

*Presenter