

JOEL BRAY

May 2020

School of Human Evolution and Social Change
Arizona State University
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EDUCATION

In progress	Ph.D., Anthropology	Arizona State University
2016	M.A., Anthropology	Arizona State University
2013	B.S., Evolutionary Anthropology	Duke University

AWARDS & HONORS

2018	Donald H. Morris Award for Outstanding Doctoral Student in Evolutionary Anthropology School of Human Evolution and Social Change, Arizona State University
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RESEARCH GRANTS & FELLOWSHIPS

2020	The Graduate College (ASU) Graduate College Fellowship	\$5,000
2017	The Leakey Foundation	\$15,000
2017	School of Human Evolution and Social Change (ASU)	\$6,000
2017	Graduate and Professional Student Association (ASU)	\$2,000
2016	National Science Foundation Graduate Research Fellowship (3 years)	\$138,000
2016	School of Human Evolution and Social Change (ASU)	\$2,950
2014	School of Human Evolution and Social Change (ASU) Graduate Fellowship (4 years)	\$128,000
2010 – 13	Duke University (8x)	\$13,600 (total)
2011 – 12	Duke Lemur Center (2x)	\$600 (total)

PUBLICATIONS (PEER-REVIEWED)

<i>In review</i>	Bray J, Gilby IC. Social relationships among adult male chimpanzees (<i>Pan troglodytes schweinfurthii</i>): Variation in the strength and quality of social bonds
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- 2018 Samson DR, **Bray J**, Nunn CL. The cost of deep sleep: environmental influences on sleep regulation are greater for diurnal lemurs. *American Journal of Physical Anthropology*, 166(3):578-589. DOI:10.1002/ajpa.23455
- 2018 **Bray J**, Emery Thompson M, Muller MN, Wrangham RW, Machanda ZP. The development of feeding behavior in wild chimpanzees (*Pan troglodytes schweinfurthii*). *American Journal of Physical Anthropology*, 165(1):34–46. DOI:10.1002/ajpa.23325
- 2017 **Bray J**, Samson DR, Nunn CL. Activity patterns in seven captive lemur species: Evidence of cathemerality in *Varecia* and *Lemur catta*? *American Journal of Primatology*, 79(6):e22648. DOI:10.1002/ajp.22648
- 2016 **Bray J**, Pusey AE, Gilby IC. Incomplete control and concessions explain mating skew in male chimpanzees. *Proceedings of the Royal Society B*, 283:20162071. DOI:10.1098/rspb.2016.2071
- 2016 Borries C, Sandel AA, Koenig A, Fernandez-Duque E, Kamilar JM...**Bray J**...et al. Transparency, usability, and reproducibility: Guiding principles for improving comparative databases using primates as examples. *Evolutionary Anthropology*, 25(5):232–238. DOI:10.1002/evan.21502
- 2014 MacLean EL, Hare B, Nunn CL...**Bray J**...et al. The evolution of self-control. *Proceedings of the National Academy of Sciences*, 111(20): E2140–E2148. DOI:10.1073/pnas.1323533111
- 2014 **Bray J**, Krupenye C, Hare B. Ring-tailed lemurs (*Lemur catta*) exploit information about what others can see but not what they can hear. *Animal Cognition*, 17(3):735-744. DOI:10.1007/s10071-013-0705-0
- 2013 MacLean EL, Sandel AA, **Bray J**, Oldenkamp RE, Reddy RB, Hare BA. Group size predicts social but not nonsocial cognition in lemurs. *PLoS ONE*, 8(6): e66359. DOI:10.1371/journal.pone.0066359

INVITED TALKS

- 2018 Department of Primatology, Max Planck Institute for Evolutionary Anthropology, “Factors influencing the strength, equality, and stability of male chimpanzee social bonds at Gombe National Park”

CONFERENCE PRESENTATIONS

*Podium presentation ^Shared first authorship

- 2020 ***Bray J**, Gilby IC. Fitness benefits of male chimpanzee social bonds at Gombe National Park, Tanzania. 89th Annual Meeting – American Association of Physical Anthropologists Conference. Los Angeles, CA. *American Journal of Physical Anthropology* 169

- 2019 ***Bray J**, Gilby IC. Factors influencing the strength, equality, and stability of male chimpanzee social bonds at Gombe National Park. 88th Annual Meeting – American Association of Physical Anthropologists Conference. Cleveland, OH. American Journal of Physical Anthropology 168 (S68):28.
- 2016 *^Wellens KR, **Bray J**, Stanton MA, Emery Thompson M, Lonsdorf EV, Muller MN, Wrangham RW, Murray CM, Machanda ZP. Comparative patterns of feeding development in wild chimpanzees at Kibale National Park, Uganda and Gombe National Park, Tanzania. Joint meeting of the International Primatological Society and the American Society of Primatologists. Chicago, IL.
- 2016 **Bray J**, Vining AQ, Amoroso CR, Nunn CL. The 10kTraits database: A new online resource for comparative primatology. Joint meeting of the International Primatological Society and the American Society of Primatologists. Chicago, IL.
- 2016 ***Bray J**, Pusey AE, and Gilby IC. Dominance styles of eight alpha male chimpanzees at Gombe National Park, Tanzania. 85th Annual Meeting – American Association of Physical Anthropologists Conference. Atlanta, GA. American Journal of Physical Anthropology 159 (S62):102.
- 2015 ***Bray J**, Machanda ZP, Muller MN, and Wrangham RW. The ontogeny of foraging behavior in wild chimpanzees (*Pan troglodytes schweinfurthii*). 84th Annual Meeting – American Association of Physical Anthropologists Conference. St. Louis, MO. American Journal of Physical Anthropology 156 (S60):91-92.
- 2015 Samson D, **Bray J**, and Nunn C. Cathemerality and sleep intensity in seven captive lemur species. 84th Annual Meeting – American Association of Physical Anthropologists Conference. St. Louis, MO. American Journal of Physical Anthropology 156 (S60):275.
- 2014 Sandel AA, **Bray J**. Litter size as a selective pressure on group size in mammals? 83rd Annual Meeting – American Association of Physical Anthropologists Conference. Calgary, Canada. American Journal of Physical Anthropology 153 (S58):228.
- 2013 MacLean EL, Sandel AA, **Bray J**, Oldenkamp R, Reddy RB, and Hare B. Group size predicts social but not nonsocial cognition in lemurs. 20th International Conference on Comparative Cognition. Melbourne, Florida.

TRAVEL AWARDS

2015 – 20	Graduate and Professional Student Association (4x) Arizona State University	\$3,800 (total)
2019	Graduate College Travel Award Arizona State University	\$500

2015 – 16 Pollitzer Travel Award (2x) \$1,000 (total)
American Association of Physical Anthropologists

TEACHING

Graduate Teaching Assistant, Arizona State University

Bones, Stones, and Human Evolution - Online (*fall 2014*)
Bones, Stones, and Human Evolution (*fall 2019, spring 2020*)
Human Origins (*spring 2015*)
Evolution and Human Behavior (*fall 2015*)
Primateology (*spring 2016*)

Volunteer Teacher, Arizona State Prison Complex

Biology (*fall 2015, spring 2016, fall 2016, spring 2017, fall 2019, spring 2020*)

FIELDWORK

2017 – 18 Gombe National Park, Tanzania
Chimpanzee social development; male-male relationships (dissertation study)

2015 Gombe National Park, Tanzania
Chimpanzee social behavior; parallel-laser photogrammetry (pilot study)

2012 Kibale National Park, Uganda
Chimpanzee feeding development (independent study)

2011 Ranomafana National Park, Madagascar
Red-bellied lemur social behavior (study abroad)

2011 Semliki Wildlife Reserve, Uganda
Chimpanzee habituation (volunteer)

PEER REVIEW

American Journal of Primatology (2x); *Behaviour* (2x); *Evolutionary Anthropology*; *Folia Primatologica*; The Leakey Foundation (2x)

DEPARTMENT, UNIVERSITY, & PROFESSIONAL SERVICE

2015 – pr. Grant Reviewer, Graduate and Professional Student Association
Arizona State University

2015 – pr. Merchandise Team, LGBTQIAA Interest Group
American Association of Physical Anthropologists

2016 Co-Organizer, Culture Change Workshop on Harassment & Misconduct
Arizona State University

2015 – 16 Coordinator, Institute of Human Origins Journal Club
Arizona State University

COMMUNITY OUTREACH

2015 – pr. Biology Teacher, Arizona State Prison Complex – Eyman, Florence, Arizona

2018 – pr. Skype a Scientist (10x)

2016 – 19 After School Tutor & Science Outreach Coordinator, Flight 33, Guadalupe, Arizona

PROFESSIONAL MEMBERSHIPS

2014 – pr. American Association of Physical Anthropologists

2015 – 16 International Primatological Society