

# STACEY R. TECOT

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## EDUCATION

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Ph.D.	University of Texas at Austin	2008	Anthropology & Archaeology
	<i>Dissertation:</i> Seasonality and predictability: The hormonal and behavioral responses of the red-bellied lemur, <i>Eulemur rubriventer</i> , in Southeastern Madagascar		
M.A.	University of Texas at Austin	1999	Anthropology & Archaeology
	<i>Thesis:</i> The effect of habitat on fecal cortisol concentrations in squirrel monkeys ( <i>Saimiri sciureus</i> ).		
B.A.	University of Miami	1996	Anthropology

## PROFESSIONAL APPOINTMENTS

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<b>2017 – Present</b>	<b>Associate Professor</b> , School of Anthropology, University of Arizona
<b>2010 – Present</b>	<b>Director</b> , Laboratory for the Evolutionary Endocrinology of Primates, University of Arizona
<b>2010 – 2017</b>	<b>Assistant Professor</b> , School of Anthropology, University of Arizona
<b>2009 – 2011</b>	<b>Faculty</b> , Interdepartmental Program in Anthropological Sciences (IDPAS), Stony Brook University
<b>2009 – 2010</b>	<b>Adjunct Lecturer</b> , Department of Ecology and Evolution, Stony Brook University
<b>2008 – 2010</b>	<b>Post-doctoral Research Associate</b> , Department of Ecology and Evolution, Stony Brook University, with Dr. Jukka Jernvall
<b>2008</b>	<b>Post-doctoral Research Fellow</b> , Department of Anthropology, Institute for the Conservation of Tropical Environments, Stony Brook University, with Dr. Patricia Wright
<b>2007</b>	<b>Resident Coordinator</b> , Madagascar Study Abroad, Institute for the Conservation of Tropical Environments (ICTE), Stony Brook University

## HONORS AND AWARDS

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### Fellowships

2015	SBSRI Mentoring Professorship	\$7,000
2006	P.E.O. Scholar Award	\$10,000
2006	American Association of University Women Doctoral Fellowship	\$2,000
2006	Prestigious David Bruton, Jr. Fellowship	\$1,000

1999	Liberal Arts Graduate Research Fellowship	\$1,500
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**Professional Honors/Awards**

2017	Elsevier New Scholars Program Award	\$200
2015	UA Faculty Travel Grant Award	\$808
2014	NAKFI. One of 100 scientists and engineers selected to attend the 12 <sup>th</sup> Annual National Academies Keck Futures Initiative conference “Collective Behavior: From Cells to Societies”.	
2014	UA Faculty Travel Grant Award	\$1,500; \$1,124
2013	UA Faculty Travel Grant Award	\$2,850
2013	Student/Faculty Interaction Grant	\$500
2013	IKON Student/Faculty Interaction Grant	\$296
2012	UA Faculty Travel Grant Award	\$1,303; \$1,660
2011	UA Faculty Travel Grant Award	\$406; \$1,500
2010	IKON Student/Faculty Interaction Grant	\$480
2010	United University Professionals Individual Dvlpt. Award	\$594
2009	Seneca Park Zoo Conservation Award	\$500
1998 - 2008	Member, Honor Society of Phi Kappa Phi	
2006	Professional Development Award	\$250
2005	Professional Development Award	\$120
2004	TPW Foundation Award	\$5,600
2000	International Education Fee Scholarship	\$500
2000	The University of Texas Special Research Grant	\$700
1999	Professional Development Award	\$100
1998	Professional Development Award	\$100

**GRANTS**

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**External**

2017	<b>National Science Foundation</b> “Collaborative Research: The function and mechanism of male intrasexual relationships in a variable system: resistance, tolerance, or bonding, and the role of females.” (R. Lewis, PI; A. DiFiore, L. Meyers, Senior Personnel)	<b>\$100,000</b>
2016	<b>National Geographic Committee for Research and Exploration</b> "Making an alpha male: Socioendocrinology of dominance in male white-faced capuchin monkeys ( <i>Cebus capucinus</i> )" (K. Jack and E. Wikberg, Co-PIs)	<b>\$19,486</b>
2015	<b>L. S. B. Leakey Foundation</b> "Making an alpha male: Socioendocrinology of dominance in male white-faced capuchin monkeys ( <i>Cebus capucinus</i> )" (K. Jack and E. Wikberg, Co-PIs)	<b>\$24,197</b>
2015	<b>Goldberg Research Grant</b> "Making an alpha male: Socioendocrinology of dominance in male white-faced capuchin monkeys" (K. Jack and E. Wikberg, Co-PIs)	<b>\$14,587</b>
2015	<b>National Academies Keck Futures Initiative Grant</b> “Limits to collective behavior: theoretical and empirical assessment of the lower	<b>\$100,000</b>

	and upper limits of group size to effect cooperative behaviors” (S. Brosnan, S. Remy, M. Hauber, T. Grandison, K. Jack, T. Linksvayer, J. Murrell, Co-PIs)	
2014	<b>L. S. B. Leakey Foundation</b> “Profiling caregivers: Molecular, endocrine, and phenotypic expression of allomaternal care in red-bellied lemurs, <i>Eulemur rubriventer</i> ” (A. Baden, Co-PI)	<b>\$21,869</b>
2014	<b>American Association of Physical Anthropologists Professional Development Grant</b> “Evolved hormonal mechanisms of allomaternal care behavior in red-bellied lemurs, <i>Eulemur rubriventer</i> ”	<b>\$5,000</b>
2014	<b>Rowe/Wright Primate Fund</b> “The Ranomafana Red-Bellied Lemur Project: Demography and infant care in red-bellied lemurs, <i>Eulemur rubriventer</i> .” (R. Jacobs and A. Baden, Co-PIs)	<b>\$3,500</b>
2013	<b>IDEA WILD</b> “The Ranomafana Red-Bellied Lemur Project: Population assessment of a threatened species on the decline” (R. Jacobs, Co-PI)	<b>\$1,333</b>
2010	<b>Rowe/Wright Primate Fund</b> “Physiological correlates of habitat degradation: A test with a critically endangered primate, <i>Propithecus diadema</i> , in Tsinjoarivo, Madagascar”	<b>\$1,500</b>
2007	<b>National Geographic Committee for Research and Exploration</b> “Physiological correlates of habitat degradation: A test with a critically endangered primate.” Co-PI, collaborative grant with PI M. Irwin, F.J.L. Raharison, L. Rabetafika, R.E. Junge, and K.E. Samonds.	<b>\$20,000</b>
2004	<b>NSF Doctoral Dissertation Improvement Grant</b> “Habitat quality and stress: fecal cortisol levels in <i>Eulemur rubriventer</i> in Ranomafana National Park, Madagascar.”	<b>\$11,172</b>
2004	<b>Primate Conservation, Incorporated Conservation Grant</b> “The influence of reproduction, habitat quality, and food decline on fecal cortisol profiles in red-bellied lemurs ( <i>Eulemur rubriventer</i> ) in Ranomafana National Park, Madagascar.”	<b>\$1,100</b>
2004	<b>Conservation International Primate Action Fund</b> “Noninvasive hormone monitoring techniques as conservation tools: establishing baseline cortisol profiles in red-bellied lemurs ( <i>Eulemur rubriventer</i> ) in Ranomafana, Madagascar.”	<b>\$1,500</b>
2003	<b>American Society of Primatologists Research Grant</b> “The influence of ecology on fecal cortisol profiles in red-bellied lemurs ( <i>Eulemur rubriventer</i> ) in Ranomafana National Park, Madagascar.”	<b>\$1,490</b>
<b>Internal</b>		
2017	<b>Open Access Publishing Fund</b> “LemurFaceID: A face recognition system to facilitate lemur conservation”	<b>\$1,073</b>
2015	<b>Mentored Research Experiences for Success Program</b> “Infant care as a driver of gut microbial communities and health”	<b>\$4,000</b>
2015	<b>Mentored Research Experiences for Success Program</b> “The evolutionary effects of exercise on neurobiology in humans” (Dave Raichlen, Co-PI)	<b>\$3,800</b>
2015	<b>100% Student Engagement Strategic Investment Grant</b>	<b>\$12, 648</b>

	“Community Beginnings: Collaborating with Birthing Center Partners and Training the Next Generation of Engaged Researchers” (Ivy Pike, Co-PI)	
2015	<b>University of Arizona Green Fund Mini Grant</b>	<b>\$900</b>
	“University of Arizona Palm Oil Awareness Initiative’s (POAI) Goes Live: Spreading the Word about Conflict Palm Oil on Nationally Syndicated Radio Show, Mrs. Green’s World” (Kim Kelly, Co-PI)	
2014	<b>University of Arizona Social and Behavioral Sciences Research Institute (SBSRI) Leveraging Grant</b>	<b>\$1,000</b>
2014	<b>University of Arizona International Research Development Grant</b>	<b>\$1,400</b>
2013	<b>University of Arizona SBSRI Faculty Small Grant</b>	<b>\$2,000</b>
	“Validating the measurement of peptide hormones associated with allomaternal care in red-bellied lemurs”	
2012	<b>SBSRI Faculty Small Grant</b>	<b>\$1,500</b>
	“Allomaternal care behavior, infant development, and hormonal mechanisms in a monogamous primate, the redbellied lemur ( <i>Eulemur rubriventer</i> )”	

## **PUBLICATIONS (\* indicates student co-author)**

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### **Peer-Reviewed**

- Amato, K, Sanders, J, Song, SJ, Nute, M, Metcalf, JL, Thompson, L, Morton, J, Amir, A, McKenzie, V, Humphrey, G, Gogul, G, Gaffney, J, Baden, A, Britton, J, Cuzzo, F, Di Fiore, A, Dominy, N, Goldberg, T, Gomez, A, Kowalewski, M, Lewis, R, Link, A, Sauter, M, **Tecot, S**, White, B, Nelson, K, Stumpf, R, Knight, R, Leigh, S. (*Submitted for review*). Evolutionary trends in host physiology outweigh diet in structuring primate gut microbiomes. *Nature*
- Erhart, E, **Tecot, S**, Grassi, C. (*In review*). Interannual variation in diet, dietary diversity and dietary overlap in three strepsirrhine species in southeastern Madagascar. *International Journal of Primatology*
- Tecot, S** and Baden, A. (*In review*). Profiling caregivers: Hormonal variation underlying allomaternal care in wild red-bellied lemurs. Special Issue. *Physiology and Behavior*.
- \*Raalo, A, Ruokolainen, L, Hanski, I, \*Lane, A, Baden, A, Amato, K, Knight, R, Leigh S, Stumpf R, White, B, Neson, K, **Tecot, S**. (*In press*). Social behavior and gut microbiota in red-bellied lemurs: In search of the role of immunity in the evolution of sociality. *Journal of Animal Ecology*
- Crouse, D, Jacobs, RL, \*Richardson Z, Klum, S, Jain, A, Baden, AL, **Tecot, SR**. (2017). LemurFaceID: A face recognition system to facilitate lemur conservation. *BMC Zoology*. 2:2-14. DOI: 10.1186/s40850-016-0011-9
- Eronen, JT, Zohdy, S, Evans, A, **Tecot, S**, Wright, PC, Jernvall, J. (2017). The Culm Before the Storm: Global Climate Change Driving the Extinction of the Greater Bamboo Lemur (*Prolemur simus*). *Current Biology*. 27: 3384-3389. doi: <https://doi.org/10.1016/j.cub.2017.09.050>
- Zohdy, S, Bisanzio, D, **Tecot, S**, Wright, PC, Jernvall, J. (2017). Aggression and hormones are associated with heterogeneity in parasitism and parasite dynamics in the brown mouse lemur. *Animal Behaviour*. 132:109-119. DOI: [10.1016/j.anbehav.2017.08.002](https://doi.org/10.1016/j.anbehav.2017.08.002)

- Kamilar, JM, **Tecot, SR.** (2016). Anthropogenic and climatic effects on the distribution of *Eulemur* species: A niche modeling approach. *Special Issue: New Research Directions in the Genus Eulemur. International Journal of Primatology.* 37:47-68. DOI:[10.1007/s10764-015-9875-8](https://doi.org/10.1007/s10764-015-9875-8)
- Tecot, S,** \*Singletary, B, Eadie, E. (2016). Why “monogamy” isn’t good enough. *American Journal of Primatology, Special Issue on Monogamy.* 78(3): 340-354. DOI:[10.1002/ajp.22412](https://doi.org/10.1002/ajp.22412)
- Kamilar, JM, **Tecot, SR.** (2015). Connecting proximate mechanisms and evolutionary patterns: Pituitary gland size and mammalian life history. *Journal of Evolutionary Biology.* 28:1997-2008. DOI:[10.1111/jeb.12715](https://doi.org/10.1111/jeb.12715).
- Tecot, S,** Baden, A. (2015). Primate allomaternal care. In: R. Scott, S. Kosslyn, eds. *Emerging Trends in the Social and Behavioral Sciences: An Interdisciplinary, Searchable, and Linkable Resource.* Hoboken, NJ: John Wiley and Sons. 1-16. DOI:[10.1002/9781118900772.etrds0263](https://doi.org/10.1002/9781118900772.etrds0263)
- Zohdy S, Gerber B, **Tecot S,** Blanco MB, Winchester JM, Wright PC, Jernvall J. (2014). Teeth, sex, and testosterone: Ageing in the world’s smallest primate. *Plos ONE* 9:e109528. DOI:[10.1371/journal.pone.0109528](https://doi.org/10.1371/journal.pone.0109528).
- Tecot, S,** Gerber, B, King, S, Verdolin, J, Wright, PC. (2013). Risky business: Sex ratio, mortality, and group transfer in *Propithecus edwardsi* in Ranomafana National Park, Madagascar. *Behavioral Ecology.* 24: 987-996. DOI:[10.1093/beheco/art008](https://doi.org/10.1093/beheco/art008)
- Tecot, S.** (2013). Variable energetic strategies in disturbed and undisturbed rain forest habitats: fecal cortisol levels in southeastern Madagascar. In: J. Masters, M. Gamba, F. Génin, R. Tuttle, eds. *Leaping Ahead: Advances in Prosimian Biology.* (Developments in Primatology: Progress and Prospects). New York: Springer. Pp. 185-195. DOI:[10.1007/978-1-4614-4511-1\\_21](https://doi.org/10.1007/978-1-4614-4511-1_21)
- Tecot, S,** Baden, A, \*Romine, N., Kamilar, J. (2013). Reproductive strategies and infant care in Malagasy primates. In: Clancy KBH, Hinde K, Rutherford JN (eds) *Building babies: Primate development in proximate and ultimate perspective (Developments in Primatology: Progress and Prospects).* New York: Springer. Pp. 321-359. DOI:[10.1007/978-1-4614-4060-4\\_15](https://doi.org/10.1007/978-1-4614-4060-4_15)
- Tecot, S** and \*Romine, N. (2012). Leading ladies: Leadership of group movements in a pair-living, co-dominant, monomorphic primate across reproductive stages and fruit availability seasons. *American Journal of Primatology.* 74:591-601. DOI:[10.1002/ajp.22011](https://doi.org/10.1002/ajp.22011)
- King, SJ, Boyer, DM, **Tecot, SR,** Strait, SG, Zohdy, S, Blanco, M, Wright, PC, Jernvall, J. (2012). Lemur habitat and dental senescence in Ranomafana National Park, Madagascar. *American Journal of Physical Anthropology Special Issue on Dental Ecology.* 148(2):228-237. DOI:[10.1002/ajpa.21589](https://doi.org/10.1002/ajpa.21589)
- Tecot, S,** Baden, A, \*Romine, N, Kamilar, J. (2012). Infant parking and nesting, not allomaternal care, influence Malagasy primate life histories. *Behavioral Ecology and Sociobiology* 66:1375-1386. DOI:[10.1007/s00265-012-1393-5](https://doi.org/10.1007/s00265-012-1393-5)
- Wright PC, Erhart EM, **Tecot SR,** Baden AL, Arrigo-Nelson S, Herrera J, Morelli TL, Blanco M, Deppe A, Atsalis S, Johnson SE, Ratolahy F, Tan CLM, Zohdy S. (2012). Long-term lemur research at Centre ValBio, Ranomafana National Park, Madagascar. In: Kappeler PM, Watts D, editors. *Long-Term Research in Primates.* Dordrecht: Springer. Pp. 67-100. DOI:[10.1007/978-3-642-22514-7\\_4](https://doi.org/10.1007/978-3-642-22514-7_4)
- King, SJ, Morelli, TL, Arrigo-Nelson, S, Ratelolahy, FJ, Godfrey, LR, Wyatt, J, **Tecot, S,** Jernvall, J, Wright, PC. (2011). Morphometrics and pattern of growth in wild sifakas

- (*Propithecus edwardsi*) at Ranomafana National Park, Madagascar. *American Journal of Primatology*. 73(2):155-172. DOI: [10.1002/ajp.20881](https://doi.org/10.1002/ajp.20881)
- Wright, PC, **Tecot, SR**, Erhart, E, King, SJ, Baden, AL, Grassi, C. (2011). Frugivory in four sympatric lemurs: Implications for Madagascar's forests. *American Journal of Primatology*. 73(6): 585-602. DOI: [10.1002/ajp.20936](https://doi.org/10.1002/ajp.20936)
- \*Rakotonirina, L.H., Spiral, G.J., Ratsimbazafy, J.H., Ravelonjanahary, S., Ralaiarison, R., **Tecot, S.**, Hall, A., Calhoun, T., Randria, G.R. (2010). Effet de la dégradation de l'habitat sur la consommation alimentaire d'*Eulemur rubriventer* dans deux sites: Talatakely et Vatoharanana, du Parc National de Ranomafana. *Lemur News*. 15:47-51.
- Tecot, S.** (2010). It's all in the timing: Out of season births and infant survival in *Eulemur rubriventer*. *International Journal of Primatology*. 31(5): 715-735. DOI:[10.1007/s10764-010-9423-5](https://doi.org/10.1007/s10764-010-9423-5).
- Overdorff, DJ and **Tecot, S.** (2006). Social pair-bonding and resource defense in wild red-bellied lemurs (*Eulemur rubriventer*). In: Gould, L. and Sauther, M. L., editors. *Lemurs: Ecology and Adaptation*. Springer: New York. 235-254. DOI: [10.1007/978-0-387-34586-4\\_11](https://doi.org/10.1007/978-0-387-34586-4_11)

## Technical Reports

- \*Crouse, D., \*Richardson, Z., Jain, A., **Tecot, S.**, Baden, A., \*Jacobs, R. (May 23, 2015). Lemur face recognition: Tracking a threatened species and individuals with minimal impact. *MSU Technical Report*, MSU-CSE-15-8.

## Encyclopedia Entries

- Tecot, S.** and Overdorff, DJ. (2016). Red-bellied lemur, *Eulemur rubriventer*. In: N. Rowe & M. Myers (eds.). *All the World's Primates*. NY: Pogonias Press.
- Tecot, S.** (2016). Wright, P.C. In: A. Fuentes (ed.). *International Encyclopedia of Primatology*. Wiley-Liss.
- Tecot, S.** and Wright, PC. (2010). "Primate Conservation Efforts". *Yearbook of Science and Technology*. McGraw Hill: New York. Pp. 310-315.

## Database Contributions

- Tecot, S.** and Hrdy, S. (2010). Allomaternal care in primates. In: N. Rowe & M. Myers (eds.). *All the World's Primates*. NY: Pogonias Press. <http://www.alltheworldsprimates.org/Home.aspx>
- Tecot, S.** and Overdorff, DJ. (2010). Red-bellied lemur, *Eulemur rubriventer*. In: N. Rowe & M. Myers (eds.). *All the World's Primates*. NY: Pogonias Press. <http://www.alltheworldsprimates.org/Home.aspx>

## Book and Conference Reviews

- Baden, A, Lu, A, **Tecot, S.** (2009). 2009 annual meetings of the American Society of Primatologists. *Evolutionary Anthropology*. 18:164-165.
- Tecot, S.** (2008). In Reference to Lemurs: A Comprehensive Field Guide and Call to Action on Behalf of the Unique Primates of Madagascar (book review). *American Journal of Primatology*. 70:204-206.

## CONFERENCE ABSTRACTS (\* indicates student co-author)

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### *Invited Presentations for Symposia at Professional Meetings*

- Tecot, SR**, \*Costanzo, J, Eadie, E, Jacobson, K, \*Hawley, C, \*Razanajatovo S, \*Arroyo AS,

- Baden AL. (2016). Endocrine mechanisms underlying phenotypic variation in infant care in the red-bellied lemur, *Eulemur rubriventer*. In the symposium 'Growing up primate: diverse approaches to understanding the complex influences on primate development'. *International Primatological Society*.
- Tecot, SR**, \*Costanzo, J, Eadie, E, \*Hawley, C, \*Razanajatovo, S, \*Arroyo, AS, Baden, AL. (2016). Profiling caregivers: hormonal variation underlying allomaternal care in wild red-bellied lemurs. In the symposium 'Allomother-infant relationships across the Primate order: biomarkers, bonding, buffering, and other bidirectional effects'. *American Journal of Physical Anthropology*. 159(S62):311.
- Tecot, S.** (2015). Primatologists' engagement with communities in Madagascar. In symposium 'Engaging research communities: collaborating and translating research in Biological Anthropology.' *American Journal of Physical Anthropology*. 156(S60):302.
- Tecot S.** (2014). Using glucocorticoids as a measure of habitat stress and fitness. Invited symposium participant, Critical Junctions in Endocrinology and Primate Conservation. *International Society of Primatologists*. Hanoi, Vietnam.
- Tecot S**, \*Jacobs RL, Baden, AL, Erhart, E. (2014). Reproductive physiology and behaviour in *Eulemur*. Invited symposium participant, The 'Little Brown Lemurs' Grow Up: New Research Directions in the Genus *Eulemur*. *International Primatological Society*. Hanoi, Vietnam.
- Wright, PC, Baden, AL, \*Jacobs, R, Larney, E, Karpanty, S, **Tecot, S**, \*Herrera, J, Karanewsky, C, Zohdy, S, Razafindratsima, O. (2014). Long-term research stations compound scientific value: Centre ValBio, Ranomafana National Park, Madagascar. *American Journal of Physical Anthropology*. 153(S38):277.
- Tecot, S**, \*Singletary, B. (2013). Behavioral and physiological characteristics of monogamous pair-bonds in the red-bellied lemur, *Eulemur rubriventer*. Invited symposium participant, Monogamy in Primates: Variability, Trends, and Synthesis. *American Journal of Primatology*. 75(S1):30

### ***Presentations at Professional Meetings***

- \*Diakiw L, **Tecot, S**, \*Raulo A, \*Lane A, \*Arroyo A, \*Razanajatovo S, \*Mancini A, \*Chandrashekar A, \*Puitiza A, \*Cassalett S, \*Lamela-Lopez R, Amato K, Baden AL. (Submitted for January 2018). Kinship, social relationships, and the gut microbiome. *American Association of Physical Anthropologists*.
- \*McGrosky A, Kamilar JM, **Tecot SR**, Schwartz GT (Submitted for January 2018). Comparative aspects of mammalian pituitary gland anatomy and its usefulness for reconstructing life history. *Society for Integrative and Comparative Biology*.
- Eronen JT, Zohdy S, Evans AR, **Tecot SR**, Wright PC, Jernvall J. (October 2017). The culm before the storm: Global climate change driving the extinction of a bamboo specialist. *International Geobiodiversity Conference: An Integrative Approach Expanding Humboldt's Vision*.
- \*Diakiw L, **Tecot, S**, \*Raulo A, \*Lane A, Mancini A, Amato K, Baden A. (2017). Determinants of the adult microbiome: Kinship, dispersal, and social relationships. *American Society of Primatologists*.
- \*Garcia A, **Tecot S**, Pike I. (2017). Psychosocial health during pregnancy in rural to semi-urban Panama. *Human Biology Association*
- \*McGrosky A, Kamilar JM, **Tecot SR**, Schwartz GT (2017). A hypophysis to test: Comparative aspects of pituitary gland anatomy and its usefulness for reconstructing hominin life history. *American Association of Physical Anthropologists* 162:283.

- \*Wang KM, \*Salzer AE, \*Tala MA, \*Znachko CL, \*Comer, BN, \*Constandaki S, \*Dickson HA, \*Boynton SO, \*Mouritsen AL, \*Franck BR, \*Pierson J, \*Pederson L, Pike IL, **Tecot SR**. (2017). Community beginnings: breastfeeding outcomes at Teen Outreach Pregnancy Services. *Human Biology Association*.
- \*Costanzo, J, Baden, AL, **Tecot, SR**. (2016). The relationship of estradiol to paternal care behavior in wild-living red-bellied lemurs (*Eulemur rubriventer*). *American Journal of Physical Anthropology*. 159(S62):123.
- \*Rice, KS, Zohdy, S, Crowley, BE, **Tecot, SR**. (2016). Healthy forests, healthy lemurs? The effect of habitat disturbance on diet, parasitism, and immunity in brown mouse lemurs (*Microcebus rufus*). *International Primatological Society*.
- Baden, AL, **Tecot, SR**. (2015). What facilitates facultative allomaternal care in red-bellied lemurs (*Eulemur rubriventer*)? A preliminary investigation *American Journal of Physical Anthropology*. 156:74.
- Kamilar, J, **Tecot, S**. (2015). Does relative pituitary gland size predict mammal life history? *American Journal of Physical Anthropology*. 156:182.
- Tecot, S**. (2015). How do Primatologists Engage with Local Human Populations? Community Engagement in Madagascar. *American Society of Primatologists*.
- \*Jacobs, RL, **Tecot, S**, \*Klum, S, Crouse, D, Jain, AK. (2014). Face recognition technology for individual identification of lemurs. *Nor'Eastern Primate Ecology, Evolution & Behavior Group*.
- \*Jacobs, RL, **Tecot, S**, \*Klum, S, Jain, AK. (2014). Developing novel, face recognition techniques for population assessments and long-term research of threatened lemurs. *International Society of Primatologists*. Hanoi, Vietnam. Honorable mention, student prize for R. Jacobs.
- Tecot S**, \*Singletary, B, Eadie, E. (2014). Pair-living and pair-bonding in the red-bellied lemur, *Eulemur rubriventer*. *American Journal of Physical Anthropology*. 153(S38):252.
- \*Singletary, B, \*Cortes, N, **Tecot, S**. (2013). Maintaining pair-bonds in red-bellied lemurs (*Eulemur rubriventer*): A preliminary captive study at Duke Lemur Center, Durham, NC. *American Journal of Physical Anthropology*. 150(S56):256
- Tecot, S**, \*Silva, M, Jernvall, J, Wright, PC. (2013). Fecal cortisol metabolites in Milne-Edwards' sifaka are higher in an undisturbed site than in a disturbed site in Ranomafana National Park, Madagascar. *American Journal of Primatology* 75(S1):83
- Tecot, S**, \*Silva, M, Jernvall, J, Wright, PC. (2013). Habitat disturbance and fecal cortisol metabolites in a folivorous strepsirrhine, *Propithecus edwardsi*. *American Journal of Physical Anthropology*. 150(S56):269-270.
- \*Zohdy, S, \*Kemp, AD, **Tecot, S**, Wright, PC, Jernvall, J. (2013). Lousy personalities: Aggression, testosterone, and ectoparasite dynamics in a population of wild brown mouse lemurs. *American Journal of Physical Anthropology*. 150(S56):300-301.
- Tecot, SR**, Baden, AL, \*Romine, NK, Kamilar, JK. (2012). The evolution of allomaternal care in lemuriforms. *American Journal of Physical Anthropology*. 147(S54):283.
- \*Singletary, B, \*Herrera, JP, **Tecot, S**. (2012). Is there an environmental effect on acoustic strategies of black and white ruffed lemurs (*Varecia variegata editorum*) in Ranomafana National Park, Madagascar? *American Journal of Physical Anthropology*. 147(S54):270.
- \*Zohdy, S, **Tecot, S**, Wright, PC, Jernvall, J. (2012). Testing the immunocompetence handicap hypothesis (ICHH) in both sexes in wild brown mouse lemurs (*Microcebus rufus*). *American Journal of Physical Anthropology*. 147(S54):310-311.



- Tecot, S, \*Romine, N.** (2011). Group leadership by females in a pair-bonded strepsirhine, *Eulemur rubriventer* (red-bellied lemur), in southeastern Madagascar. *American Journal of Primatology*. 73:89.
- Johnson, SE, Gordon, AD, Raichlen, DA, **Tecot, S, \*Holmes, SM, Ingraldi, C, Verdolin, JL.** (2011). Search strategies in frugivorous lemurs in southeastern Madagascar: Are Lévy Walks Used? *American Journal of Primatology* 73S: 57.
- Tecot, S, King, SJ, Verdolin, J, Wright PC.** (2011). Patterns of mortality and group transfer explain differences in male and female longevity in *Propithecus edwardsi*, Milne-Edwards' sifaka. *American Journal of Physical Anthropology* 144(S52):291-292.
- \*Zohdy, S, **Tecot, S, Wright, PC, Jernvall, J.** (2011). Elevated testosterone levels in female brown mouse lemurs (*Microcebus rufus*) at Ranomafana National Park. *American Journal of Physical Anthropology* 144(S52):318.
- \*Zohdy, S, **Tecot, S, Wright, PC, Jernvall, J.** (2011). Testing the immunocompetence handicap hypothesis (ICHH) in both sexes in wild brown mouse lemurs (*Microcebus rufus*). *Integrative and Comparative Biology* 51:E156.
- Tecot, S, \*Zohdy, S, King, S, Wright, PC, Jernvall, J.** (2010). Wimpy males and formidable females: Testosterone levels in *Propithecus edwardsi*. *American Journal of Physical Anthropology* S50:228.
- King, SJ, Boyer, DM, **Tecot, S, Strait, SG, Wright, PC, Jernvall, J.** (2010). Lemur habitat and dental senescence at Ranomafana National Park, Madagascar. Invited talk in symposium: Primate dental ecology: How teeth respond to the environment. Organizers: F.P. Cuzzo, M.L. Sauther, P. S. Ungar. *American Journal of Physical Anthropology* S50:142.
- \*Zohdy, S, **Tecot, S, \*Rakotoarinivo TH, Carag J, King SJ, Jernvall J, Wright PC.** (2010). Wild brown mouse lemurs live long and prosper. *American Journal of Physical Anthropology* S50:251.
- King, SJ, Morelli, TL, Arrigo-Nelson, S, **Tecot, S, Godfrey, LR, Jernvall, J, Wright, PC.** (2009). Morphometric data and patterns of growth in wild *Propithecus edwardsi* at Ranomafana National Park, Madagascar. *American Journal of Physical Anthropology*. S44: 250.
- Tecot, S, King, SJ, Jernvall, J, Wright, PC.** (2009). Lemur pregnancy in the wild: Noninvasive monitoring of reproductive function in Milne-Edwards' sifaka, *Propithecus edwardsi*, in Ranomafana National Park, Madagascar. *American Journal of Physical Anthropology*. S44:393.
- Tecot, S, King, SJ, Jernvall, J, Wright, PC.** (2009). The ups and downs of pregnancy: Endocrine profiles of ovarian activity from feces in wild Milne-Edwards' sifaka, *Propithecus edwardsi*, in Ranomafana National Park, Madagascar. *American Journal of Primatology*. 71(S1):98.
- Tecot, S.** (2008). Adult responses to seasonality and unpredictability: Fecal cortisol levels in the red-bellied lemur, *Eulemur rubriventer*. *American Journal of Physical Anthropology*. 135(S46):205.
- Tecot, S.** (2008). Profiles of cortisol excretion during reproduction in red-bellied lemurs (*Eulemur Rubriventer*) in Ranomafana National Park, Madagascar. International Primatological Society. Edinburgh, Scotland.
- Ginther, A and **Tecot, S.** (2008). Cooperative breeding in primates: Expanding our perspectives on taxonomic distribution and mechanisms. International Primatological Society. Edinburgh, Scotland.

- Wright PC, King, S, **Tecot, S.** (2008). The role of lemurs in maintaining Madagascar ecosystems. The Association for Tropical Biology and Conservation, Paramaribo, Suriname.
- Tecot, S.** (2007). Fecal cortisol levels and maintenance behaviors in wild groups of a cooperatively breeding species, the red-bellied lemur (*Eulemur rubriventer*). *American Journal of Primatology*. 69(1): 127.
- Tecot, S.** (2007). Seasonality phenology and feeding by *Eulemur rubriventer* in two sites in Ranomafana National Park, Madagascar. *American Journal of Physical Anthropology. Suppl.* (S44):230.
- Ziegler, TE and **Tecot, S.** (2007). Cooperative breeding in nonhuman primates: A broader approach. *American Journal of Primatology*. 69(1): 126.
- Overdorff DJ and **Tecot S.** (2006). Resource defense and pair-bonding in red-bellied lemurs (*Eulemur rubriventer*) in SE Madagascar. *American Journal of Physical Anthropology Suppl.* 42: 143.
- Tecot, S.** and Overdorff, DJ. (2006). The influence of feeding behavior on reproduction in *Eulemur rubriventer* in SE Madagascar. American Association of Physical Anthropologists. *American Journal of Physical Anthropology Suppl.* 42: 175.
- Tecot, S.** (2006). Activity budget and microhabitat in *Eulemur rubriventer*. *American Journal of Primatology*. 68(1): 111-112.
- Tecot, S.** and Overdorff, DJ. (2005). Aseasonal births and reproductive patterns in *Eulemur rubriventer* in southeastern Madagascar. *American Journal of Primatology*. 66(S1): 111-112.
- Tecot, S.** (2001). Field methods for collecting fecal cortisol: A test of four Malagasy primates. *American Journal of Primatology*. 54(S1): 32-33.
- Tecot, S.** (2000). Fecal cortisol excretion in squirrel monkeys (*Saimiri sciureus*) in four habitats. *American Journal of Primatology*. 51(1): 96.
- Tecot, S.** (2000). The effect of habitat on fecal cortisol concentrations in squirrel monkeys (*Saimiri sciureus*), *American Journal of Physical Anthropology Suppl.* 111:301.
- Tecot S,** Jensvold ML, Fouts R. (1999). Evaluation of an enriched physical environment: space and structure utilization in *Pan troglodytes*. *American Journal of Physical Anthropology Suppl.* 28:264.
- Kappelman J, Bramblett C, Feseha M, Gordon A, McCardel K, Pearlstein J, Ryan T, Scott, R, Seiffert E, **Tecot S,** Weiner G. (1998). Using the computer for interactive testing: A multimedia application in primatology, *American Journal of Primatology*. 45(2):189-190.

## CHAired SYMPOSIA AND SESSIONS

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|------|---|
| 2012 | Human and primate biology: growth, development, nutrition, demography, epidemiology, and reproduction. American Association of Physical Anthropologists. <b>Session Chair.</b>                    |
| 2009 | Breeding and Reproduction. American Society of Primatologists. <b>Session Chair.</b>  |
| 2008 | Cooperative Breeding in Primates: Expanding Our Perspectives on Taxonomic Distribution and Mechanisms. <b>Symposium Co-organizer</b> with Anita Ginther. International Society of Primatologists. |
| 2007 | Cooperative Breeding in Nonhuman Primates: A Broader Approach. <b>Symposium Co-organizer</b> with Dr. Toni Ziegler. American Society of Primatologists.   |

## INVITED PRESENTATIONS

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- 2017 “Field Endocrinology”  
*Hunter College of the City University of New York* Primatology Methods course, November 15
- 2017 Guest Scientist, April 11<sup>th</sup>  
Lemur Love ‘Ask a Lemur Researcher Tuesday’ on Facebook
- 2017 “Meet the lemurs”  
*Reid Park Zoo* event, February 22
- 2016 “Palm Oil”  
*University of Arizona* Our Human Footprint Honor’s College Course, October
- 2015 “Biological Anthropology: Primatology”  
*University of Arizona* Undergraduate Lecture Series, March
- 2014 “Allomaternal care in primates”  
*Study Abroad Madagascar* invited lecture, Ranomafana Madagascar, October 8
- 2014 “Black-and-white ruffed lemurs”  
*Reid Park Zoo Volunteer series*, Tucson Arizona, May 22
- 2014 “Black-and-white ruffed lemurs”  
*Reid Park Zoo Zookeeper series*, Tucson Arizona, March 2
- 2013 “Cooperation Among Lemurs: Pair-Living, Pair-Bonding, and Infant care”  
*University of Nevada-Las Vegas* Anthropology Colloquium, September
- 2013 “What Can Lemurs Teach Us About the Evolution of Life Histories, Conservation Research, and Infant Care?”  
*University of Southern California* Integrative and Evolutionary Biology Spring Seminar Series, April
- 2013 “Primate Reproductive Ecology”  
*University of Arizona* Ecological Anthropology Graduate Seminar, March
- 2013 “Socioendocrinology: What Can Hormones Tell Us About Behavior?”  
*California University of Pennsylvania* Ethology class, February
- 2013 “Gender Issues in Biological Anthropology”  
*University of Arizona* Discussion funded by Faculty Student Interaction Grant to Annika Ericksen, January
- 2012 “Biological Anthropology: Primatology”  
*University of Arizona* Cultural Anthropology class, November
- 2012 “Why Cooperate? An Interdisciplinary Conversation”  
*University of Arizona* School of International Languages, Literatures, and Cultures, School of Anthropology, Dept. of Classics, and National Endowment for the Humanities Enduring Questions Program panel, April
- 2012 “Balancing Energy in the Forest: The Ecology of Stress”  
*University of Arizona* Cognitive Sciences Colloquium, February
- 2011 “Adaptive complexes of primates”  
*University of Arizona* Ecological Anthropology lecture, September
- 2009 “Studying energetics in the field”  
*University of Helsinki* RESPECT, Ranomafana, Madagascar.
- 2009 “Using noninvasive techniques to monitor wild lemurs”  
*Seneca Park Zoo* Annual Madagascar fête, Rochester, NY.
- 2008 “The physiological and behavioral impacts of tourism on wildlife”  
*Stony Brook University* Conservation Seminar.
- 2008 “Food stress in the rain forest: fecal cortisol levels in the red-bellied lemur, *Eulemur rubriventer*”

- 2007 *Centre ValBio Annual Consortium Meeting, Ranomafana, Madagascar*  
 “Fecal cortisol as indicators of stress in disturbed habitats”
- 2007 *Oxford-Brookes University, Department of Anthropology, Oxford, England*  
 “The stress of disturbed habitats: Fecal cortisol levels as indicators of selective pressure in *Eulemur rubriventer*, the red-bellied lemur”
- 2007 *Butler University, Department of Anthropology*  
 “Diet, habitat, and fecal cortisol levels in *Eulemur rubriventer*, the red-bellied lemur”
- 2006 *P.E.O. chapter guest speaker, Austin, Texas*  
 “*Eulemur rubriventer*: seasonality of reproduction, activity, and diet”
- 2006 *University of Wisconsin, Madison Psychology seminar*  
 “Fecal cortisol as an indicator of environmental stress in red-bellied lemurs in Ranomafana National Park, Madagascar”
- 2006 *AAUW chapter guest speaker, Austin, Texas.*  
 “Habitat disturbance, reproduction, and stress in *Eulemur rubriventer*: Implications for conservation”
- 2005 *Henry Doorly Zoo, Omaha. Workshop for integrating genetic research with biogeographical, ecological, and conservation research on primates in Madagascar.*  
 “Stress and behavior” (guest lecture)
- 2004 *UT-Austin Primate Social Behavior Course, Austin, Texas.*  
 “The effects of habitat disturbance on lemurs in Ranomafana National Park”
- 2003, 2004 *Loma Linda University discussion forum, Ranomafana, Madagascar.*  
 “Stress and ecology” (guest lecture)
- 2003 *SUNY Stony Brook Madagascar Study Abroad, Ranomafana, Madagascar*  
 “Using fecal cortisol as an indicator of environmental stress in lemurs”
- 2003 *University of Helsinki Metapopulation Research Group Symposium, Madagascar.*  
 “Fecal cortisol as an indicator of environmental stress in red-bellied lemurs (*Eulemur rubriventer*) in Ranomafana National Park, Madagascar”
- 2003 *National Geographic Society Committee for Research and Exploration, Ranomafana, Madagascar.*  
 “Field methods for collecting fecal cortisol in strepsirrhines”
- 2002 *Leakey Foundation, University of Texas - Austin, Texas.*  
 “Primate Endocrinology and Conservation” (guest lecture).
- 1997 *UT-Austin Primate Ecology Course, Austin, Texas.*  
 “Squirrel monkeys at the Bonnett House: ecological adjustments to a southern Florida habitat”
- Fort Lauderdale Elementary School, The Bartlett Estate.*

## INVITED DISCUSSANT

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- 2015 Ethoinformatics Workshop. Austin, Texas
- 2015 Celebrating excellence: Women in Anthropology. Panel in celebration of the UA Anthropology Centennial. UA Library Special Collections.
- 2015 Palm oil vs. rainforests: A tragedy in the making. Mrs. Green’s World radio show.
- 2014 Feminist Linguistic Anthropology Roundtable. Anthropological Fieldwork & Feminist Concerns: Advice, Experience, and Opportunity. A roundtable event. April 22.
- 2012 How the Job Search Process Works: A Panel for Graduate Students. School of Anthropology Lecture Series
- 2012 Applying to Graduate School. University of Arizona Undergraduate Anthropology Club

- 2012 I am the World. Environmental Leadership event, University of Arizona. February 12  
<http://www.iamtheworld2012.com/>
- 2011 Science on Screen. The Loft Cinema. Panel discussion on Project Nim. August 12  
<http://uanews.org/node/41012>, <http://playpbs.azpm.org/video/2089890521>
- 2011 Preparing for the Academic Job Market Professional Development Workshop, AGUA Professional Development Series. University of Arizona School of Anthropology. March 4
- 2010 A Look at Lemur Longevity: Evolution and Senescence in a Unique Primate. Yale University Department of Anthropology. April 30
- 2010 Preparing for Graduate School. University of Arizona Undergraduate Anthropology Club. November 10

## OTHER PRESENTATIONS

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- 2015 Diakiw, L, Raulo, A, Lane, A, Ruokolinen, L, Amato, K, Baden, A, **Tecot, S**. How do we describe the gut microbiome? Analysis and interpretation of microbiota in *Eulemur rubriventer*. Southwest Association of Biological Anthropologists (SWABA), Albuquerque, NM.
- 2014 Kamilar, J, **Tecot, S**. Anthropogenic and Climatic Effects on the Distribution of *Eulemur* Species: An Ecological Niche Modeling Approach. Program in Spatial Biodiversity and Conservation, Yale University.
- 2014 Palm Oil Awareness Initiative. Ales for Apes, Reid Park Zoo, Tucson, Arizona
- 2013 Palm Oil Awareness Initiative. University of Arizona Food Day, Tucson, Arizona
- 2013 Singletary, B, Cortes, N, **Tecot, S**. Multi-modal Monogamy: How Signals Play a Role in Reinforcing Mating and Social Structures in Primates. Southwest Association of Biological Anthropologists (SWABA), Mesa Arizona.
- 2009 Boatswain, K, Larney, E, **Tecot, S**, King, S, Wright, PC. Is electricity affordable in small villages? A case study: Ambatolahy and Ranomafana, Madagascar. Stony Brook University Undergraduate Research and Creative Activities (URECA) forum.
- 2009 Chan, N, Kamb, J, King, SJ, **Tecot, S**, Wright, PC. Aging in the wild: Sex differences in lifespan in wild *Propithecus edwardsi* at Ranomafana National Park, Madagascar. Stony Brook University URECA forum.
- 2009 Pomeroy, G, **Tecot, S**, Larney, E, King, SJ, Wright, PC. A comparison of frugivore diets in disturbed and undisturbed forests in Ranomafana National Park, Madagascar. Stony Brook University URECA forum.
- 2008 Alvarez, D, Ciccone, T, Malavenda, K, Kunca, V, Rani, P, Larney, E, **Tecot, S**, King, S, Wright, PC. Variation in canopy height preference by Milne-Edwards' sifaka (*Propithecus edwardsi*) in Ranomafana National Park, Madagascar. Stony Brook University URECA forum.
- 2008 Paladines, P, Boatswain, K, Chan, N, Chen, X, Santoro, G, **Tecot, S**, King, S, Wright, PC. Female-directed grooming behavior during different reproductive phases in Milne-Edwards' sifaka (*Propithecus edwardsi*) in southeastern Madagascar. Stony Brook University URECA forum.

## RESEARCH EXPERIENCE AND FIELDWORK

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### Field Experience

2012-Present Ranomafana National Park, Madagascar

- 2007-Present Hormones and allomaternal care in *Eulemur rubriventer* (red-bellied lemur)  
Ranomafana National Park, Madagascar
- 2008 Hormones and behavior in *Propithecus edwardsi* (Milne-Edwards' sifaka)  
Ranomafana National Park, Madagascar
- 2003-2005 Earthwatch field coordinator, "Madagascar's Lemurs"  
Ranomafana National Park, Madagascar
- Behavioral, reproductive, and physiological (cortisol) strategies to cope with ecological change in *Eulemur rubriventer* (red-bellied lemur)
- Parasite load and diversity in *Eulemur rubriventer*
- Ranging in *Eulemur rubriventer*
- 2003 Ranomafana National Park, Madagascar
- Earthwatch field co-coordinator, "Madagascar's Lemurs"
- 2000 Ranomafana National Park, Madagascar
- Fecal cortisol preservation and validation in four sympatric lemur species, *Varecia variegata*, *Eulemur fulvus rufus*, *Eulemur rubriventer*, and *Propithecus edwardsi*
- 1998-1999 Bonnett House, Florida; Monkey Jungle, Florida; Austin Zoo, Texas
- Habitat and fecal cortisol levels in *Saimiri* (squirrel monkeys)
- 1996 Morgan Island, South Carolina
- Dominance in three free-ranging groups of *Macaca mulatta*.
- 1996 Bonnett House, Fort Lauderdale, Florida
- Survey of plant species exploited by an urban troop of *Saimiri sciureus*.
- 1994 Chimpanzee and Human Communication Institute, Ellensburg, Washington
- Enclosure furnishings and environmental enrichment strategies in chimpanzees (*Pan troglodytes*)

### Lab Experience

- 2017 Analysis of salivary cortisol in ICU nurses
- 2016-Present Analysis and validation of c-reactive protein (CRP) in dried blood spots from Kenyan women
- 2014-Present Analysis and validation of fecal androgens, estradiol, and cortisol in white-faced capuchin monkeys
- 2012-2015 Analysis and validation of peptide hormones (oxytocin and arginine vasopressin) from urine in *Eulemur rubriventer*
- 2014 Cortisol and thyroid hormone as indicators of stress in *Propithecus diadema* in Tsinjoarivo, Madagascar
- 2008-2010 Analysis and validation of fecal testosterone, dihydrotestosterone, cortisol, progesterone, and estradiol in *Propithecus edwardsi* in Ranomafana National Park, Madagascar
- 2009 Validation of urinary C-Peptide in *Propithecus diadema* in Tsinjoarivo, Madagascar
- 2009 Validation of fecal testosterone and dihydrotestosterone in *Microcebus rufus* (mouse lemur)
- 2006 Validation of fecal cortisol and androgens in *Propithecus verreauxi*
- 1999 Validation of fecal cortisol in *Saimiri sciureus*

### Software Development and Database Contributions

- 2013-2017 LemurFaceID: face recognition for red-bellied lemurs  
([http://biometrics.cse.msu.edu/Publications/Databases/MSU\\_LemurFaceID/](http://biometrics.cse.msu.edu/Publications/Databases/MSU_LemurFaceID/))

- 2008-2010 *Propithecus edwardsi* behavioral, morphometric, reproductive and demographic long-term (23-year) data management
- 2009 Review and classification of early infant care in the primate order for All The World's Primates database, Pogonias Press (www.alltheworldsprimates.com)
- 2009 *Eulemur rubriventer* research database for All The World's Primates database, Pogonias Press (www.alltheworldsprimates.com)
- 2001 Development of computer-based multimedia testing software
- 1998 Editor of computer-based multimedia testing software

## **COURSES TAUGHT**

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Biodiversity Field Methods & Tropical Conservation  
 Independent Research Project (field)  
 Independent Research Project (lab)  
 Madagascar Ecosystems  
 Methods in Biological Anthropology  
 Natural History of our Closest Relatives  
 Primate Behavior Seminar  
 Primate Behavioral Ecology  
 Primate Sexuality  
 Socioendocrinology Methods

## **MENTORSHIP & COLLABORATIONS**

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### *Postdoctoral Scientist*

- 2016-2017 Supervisor, Allison Hays, The University of Arizona, Laboratory for the Evolutionary Endocrinology of Primates
- 2012-2015 Supervisor, Elizabeth Eadie, The University of Arizona, Laboratory for the Evolutionary Endocrinology of Primates

### *Graduate Students*

- 2014 Supervisor, Master's Thesis Committee, Aura Raulo, University of Helsinki. Hormone-microbiome-behavior relationships in *Eulemur rubriventer*
- 2014 Malagasy Master's program student mentor, Soafaniry Razanajatovo, University of Antananarivo, Madagascar: Allomaternal care and time budgets
- 2012 Malagasy Master's program student mentor, Domoina Rabarivelo, University of Antananarivo, Madagascar: Allomaternal play in *Eulemur rubriventer*
- 2009 Lab training in hormone collection, extraction, and assays, Sarah Zohdy, University of Helsinki, Finland.
- 2003-2005 Malagasy Master's program student mentor, Laingoniana Herifito Fidele Rakotonirina, University of Antananarivo, Madagascar.
- 2003, 2006 Graduate Student Mentor, University of Texas at Austin

### *Undergraduate Students*

- 2017 Lab training in hormone analysis, Chelsea Forer, University of Arizona

- 2017 Undergraduate Honor's Thesis Mentor, Ariana Garcia, University of Arizona
- 2014 Undergraduate Honor's Thesis Advisor, Lily Stolar, University of Arizona: "The Challenge Hypothesis: Fecal cortisol levels in male red-bellied lemurs during the reproductive season"
- 2014 Undergraduate Honor's Thesis Advisor, Caitlin Hawley, University of Arizona: "Self-handicapping play in mountain gorillas (*Gorilla beringei beringei*): How play stimulates emotional regulation"
- 2012 Research supervisor, Max Silva, The University of Arizona: "The impact of habitat disturbance on cortisol levels".
- 2010-2011 Research Supervisor, Natalie Romine, The University of Arizona: "Group progression and dominance in red-bellied lemurs"; "Allomaternal care in lemurs"; and hormone assay training.
- 2010 Research Supervisor, Natalie Romine, University of Arizona: "Group progression and dominance in red-bellied lemurs".
- 2008-2010 Research Supervisor, *Propithecus* data entry and analysis training, Stony Brook University.
- 2008-2009 Undergraduate Honor's Thesis Committee, Tara Ciccone, Stony Brook University: "Fecal steroid hormone analysis and reproductive endocrinology of a select haplorrhine and strepsirrhine".
- 2001 Tutor of Anthropology, UT- Austin Women's Athletics, UT-Austin
- 1994-1996 Tutor of Anthropology, Hecht Athletic Center, University of Miami, Florida

#### *High School Students*

- 2009 Plainview Old Bethpage-Independent High School Research Program, mentor for Stephanie Chummar and Nikita Rahman, Plainview, NY: "How the degree of alloparental care affects the relationship between sex and cortisol during gestation".
- 2008-2009 Commack High School Biology Science Project, mentor for Erica Portnoy and Savitha Racha, Commack, New York: "The effect of human forest disturbance on the home range of Red-Bellied Lemur (*Eulemur rubriventer*) as determined through the application of Geographic Information System (GIS) technology".
- 2006 Girlstart: Expanding Your Horizons Workshop Mentor, Austin, Texas

#### *Field and Laboratory Research Assistants*

- 2015 Audrey Dunn, Tufts University, B.A. Allomaternal care in *Eulemur rubriventer*  
Sabina Noll, University of Rochester, B.S. Allomaternal care in *Eulemur rubriventer*
- 2014-2015 Alicia Sánchez Arroyo, University of Barcelona, M.A. Allomaternal care in *Eulemur rubriventer*
- 2012 Avery Lane, University of Arizona, B.S. Microbiome and sociality and *Eulemur rubriventer*  
Aura Raulo, University of Helsinki Master's student. Hormone-microbiome-behavior relationships in *Eulemur rubriventer*



*Laboratory for the Evolutionary Endocrinology in Primates Interns/Trainees*

*Undergraduate students*

Jenna Adamo, University of Arizona (UA) School of Anthropology  
Kayla Bernays, UA School of Anthropology  
Briana Booker, UA Department of Molecular and Cell Biology  
Juliana Costanzo, UA School of Anthropology, Molecular & Cellular  
Biology  
Nicole Cortes, UA School of Anthropology  
Chelsea Forer, UA School of Anthropology  
Ariana Garcia, UA School of Anthropology  
Caitlin Hawley, UA School of Anthropology  
Avery Lane, UA School of Anthropology  
Jonathan Merken, UA School of Anthropology  
Natalie Romine, UA School of Anthropology

*Graduate students*

Laura Abondano, University of Texas-Austin  
Sheena Brown, UA College of Public Health  
Laura Diakiw, UA School of Anthropology  
Monica Myers, University of Calgary Anthropology Department  
Aura Raulo, University of Helsinki, Biological and Environmental  
Sciences Department

*Post-graduate researchers*

Teague O'Mara, Smithsonian Tropical Research Institute  
Stephanie Meredith, Harvard University  
Clara Scarry, University of Texas-Austin

## **GRADUATE STUDENTS**

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*Ph.D.*

2017 Vayro, Josie, University of Calgary, Anthropology, external committee member  
2016 Kelly, Kimberly, UA School of Anthropology, committee member  
*Making Bodies Commensurate: The Social Construction of Humans, Animals, and  
Microbes as Objects of Scientific Study*  
2014 Schneider, Stephanie, UA Department of Psychology, committee member  
*Love, Hatred and Indifference in Chimpanzees: Personality, Subjective Well-Being,  
and Dyadic Level Behavior in Captive Chimpanzees (Pan Troglodytes)*  
2014 Foster, Adam, UA School of Anthropology, committee member  
*The Developmental Origins and Functional Role of Postcranial Adaptive Morphology  
in Human Bipedal Anatomy*

*Ph.D. candidates*

Current Rakotonirina, Laingoniaina, Univ. of Antananarivo, Anthropology, committee member  
Current Patch, Emily, UA Psychology Department, **minor advisor**  
Current Steklis, Netzin, UA Department of Psychology, Ethology and Evolutionary  
Psychology, committee member

*Ph.D. students*

- Current Diakiw, Laura (NSF Graduate Research Fellow), UA School of Anthropology, **main advisor**
- Current Webber, James, UA School of Anthropology, comprehensive exams committee member
- M.A.*
- Current Razanajatovo, Soafaniry, University of Antananarivo, Animal Biology Department, reader
- 2017 Diakiw, Laura (NSF Research Fellow), UA School of Anthropology, **main advisor**  
Thesis: *Determinants of the Adult Microbiome: Kinship, Dispersal, and Social Relationships*
- 2017 Sayre, Margaret, UA School of Anthropology, Master's committee member  
Thesis: *Objectively Measured Physical Activity among the Pokot Agro-Pastoralists of Kenya*
- 2015 Raulo, Aura, University of Helsinki, Biological and Environmental Sciences Department, supervisor  
Thesis: *Social Behavior and Gut Microbiota in Wild Red-bellied Lemurs (Eulemur rubriventer) — In Search of the Role of Immunity in the Evolution of Sociality*
- 2013 Singletary, Britt, UA School of Anthropology, **main advisor**  
Thesis: *Monogamy, pair-bonding, and complex signal use: A review of the Primate Order and a preliminary case study of Eulemur rubriventer*
- 2013 Rabarivelo, Domoina, Univ. of Antananarivo, Animal Biology, reader  
*Soins parentaux chez Eulemur rubriventer (E. Geoffroy, 1850) dans le Parc National de Ranomafana, Fianarantso (Madagascar)*
- 2013 Webber, James, UA School of Anthropology, committee member  
Thesis: *Why do we have feet? The role of heel-strike in the mechanics and energetics of human walking*

#### *Undergraduate*

- Caitlin Hawley, **Honor's thesis advisor**  
Lily Stolar, **Honor's thesis advisor**  
Amelia White, **main advisor**

## **PROFESSIONAL AFFILIATIONS**

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### **External**

American Association of Physical Anthropologists  
American Society of Primatologists  
International Society of Primatologists  
International Society of Wildlife Endocrinology  
Midwest Primate Interest Group  
Southwestern Association of Biological Anthropology  
Council on Undergraduate Research

### **Internal (University of Arizona)**

Center for Climate Adaptation Science and Solutions  
(<http://www.ccast.arizona.edu/affiliate/stacey-tecot>)  
Institute of the Environment (<http://environment.arizona.edu/stacey-tecot>)  
Undergraduate Biology Research Program (<https://ubrp.arizona.edu/faculty/?sid=56342>)  
Arizona Canine Cognition Center

## PROFESSIONAL SERVICE ACTIVITIES

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### Journal editorial board

2017 Evolutionary Anthropology

### *Ad hoc* journal review

African Primates	Evolutionary Anthropology: Issues, News and Reviews
American Anthropologist	Folia Primatologica
American Journal of Physical Anthropology	Frontiers in Zoology
American Journal of Primatology	General and Comparative Endocrinology
American Naturalist	International Journal of Primatology
Behaviour	Journal of Zoology
BMC Ecology	Molecular Ecology
BMC Evolutionary Biology	PLOS One
Endangered Species Research	Physiology and Behavior

### *Ad hoc* grant review

National Science Foundation  
National Geographic Society  
Primate Conservation, Inc.  
Leakey Foundation  
WWTF Vienna Science and Technology Fund

### Panel review

National Science Foundation Division of Integrative Organismal Systems  
American Society of Primatologists Conservation Grants and Awards

### Abstract review

Madagascar Primatological Society

### Session moderator/chair

American Society of Primatologists  
American Society of Physical Anthropologists

### Committees

#### *External*

2017	<b>Member</b> <b>Expert</b> <b>Member</b>	IUCN Primate Specialist Group Madagascar Lemur Portal <i>Ad hoc</i> Nominations/Elections Committee, American Society of Primatologists (ASP)
2014-Present	<b>Co-Chair</b>	Conservation Committee, ASP
2016	<b>Member</b>	<i>Ad hoc</i> Codes of Conduct Committee, ASP
2013-2014	<b>Member</b>	Conservation Committee, ASP
2009-Present	<b>Member</b>	Laboratory Design Committee, Centre ValBio Research and Training Center, Ranomafana, Madagascar

2003-Present                      **Scientific Advisor**      Vatoharanana, for Centre ValBio Research and Training Center, Ranomafana National Park, Madagascar

***Internal (University of Arizona)***

2014-Present                      **Steering Committee**      Human Animal Interaction Research Initiative  
2014-2017                      **Member**                      School of Anthropology Fellowships Committee  
2012, 2016-2017                      **Member**                      School of Anthropology Scholarship Committee  
2010-11, 2012-2016                      **Member**                      School of Anthropology Graduate Student Admissions Committee  
2013                                  **Member**                      School of Anthropology TA Committee  
2013-2014                      **Member**                      School of Anthropology Graduate Fellowship Committee  
2012                                  **Member**                      School of Anthropology Executive Committee

**Online Contributor**

All the World's Primates Database: <http://www.alltheworldsprimates.com>

Palm Oil Awareness Initiative: <http://www.whatispalmoil.weebly.com>

**Other Service**

Palm Oil Awareness Initiative, Co-Founder and Faculty Advisor

[www.whatispalmoil.weebly.com](http://www.whatispalmoil.weebly.com)

<https://www.facebook.com/palmoilawarenessinitiative>

**PRESS**

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**Publications**

- 2017    Feeding ecology and morphology make a bamboo specialist vulnerable to climate change**  
Covered in over 25 national and international media sources. E.g., [Carbon Brief](#), [PBS News Hour](#), [Science Daily](#), [UANews](#), [Mongabay](#), [Eurekalert](#), [Daily Mail](#)
- 2017    LemurFaceID: A face recognition system to facilitate lemur conservation**  
Covered in over 100 national and international media sources. E.g., [Christian Science Monitor](#), [Digital Trends Magazine](#), [BBC](#), [ResearchGate](#), [Die Welt](#), [Impuls/German Public Radio/SWR](#), [UANews](#)
- 2014    Teeth, sex, and testosterone: Ageing in the world's smallest primate**  
Covered in over 10 national media sources. E.g., <http://www.sciencedaily.com/releases/2014/10/141029145625.htm>
- 2013    Risky business: Sex ratio, mortality, and group transfer in *Propithecus edwardsi* in Ranomafana National Park, Madagascar**  
Covered in over 25 national and international media sources. E.g., <http://www.sciencedaily.com/releases/2013/02/130228155616.htm>

**Research**

**2016** **Get Fit, Get Furry with the Jog a Dog Program: Humane Society program offers great way to exercise and help out our furry friends (1/15/16)**

<http://www.wildcat.arizona.edu/article/2016/01/humane-society-jog-a-dog>

**2012** **A lemur, a Frisbee, and a high-tech lab**

<http://www.portal.environment.arizona.edu/content/lemur-frisbee-and-high-tech-lab>

## **Outreach**

**2017** [Meet the Lemurs](#)

**2015** [Celebrating Excellence: Women in Anthropology](#)

**2015** [Palm Oil vs. Rainforests: A Tragedy in the Making](#)

Mrs. Green's World radio show

**2014** [Palm Oil Awareness Initiative](#)

**2011** [Science on Screen: Project Nim Panel Discussion](#)

Covered in local media, including Arizona Public Media (print, tv, radio).