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## EDUCATION

- 2004 Ph.D. Anthropology, Harvard University. Dissertation entitled *Population ecology of gibbons and leaf monkeys across a gradient of Bornean forest habitats*
- 2000 M.A. Anthropology, Harvard University
- 1996 B.A. Anthropology, *summa cum laude*, Harvard University

## INTERESTS

ecology and conservation of vertebrates and tropical forests; community ecology; interspecific competition; plant-animal interactions; statistical modeling; data visualization; biological anthropology

## PROFESSIONAL POSITIONS

- 2019 – Honorary Research Associate, School of Biological Sciences, Victoria University of Wellington, New Zealand
- 2017 – Professor, Departments of Anthropology and Ecology and Evolutionary Biology, Program in the Environment, School for Environment and Sustainability University of Michigan
- 2013 – Member of Small Apes Section of IUCN Primate Specialist Group
- 2004 – Member of Great Apes Section of IUCN Primate Specialist Group
- 2020 – Scientific Advisor, Gunung Palung National Park, West Kalimantan, Indonesia
- 2000 – 2020 Director, One Forest Project, Gunung Palung National Park
- 2007 – 2020 Co-director, Cabang Panti Research Station, Gunung Palung National Park
- 2014 – 2017 Associate Professor, Department of Anthropology, School of Natural Resources and Environment and Program in the Environment, University of Michigan
- 2012 – 2014 Chair, Conservation Ecology, Graduate Group in Ecology, UC Davis
- 2011 – 2014 Associate Professor, Department of Anthropology; Faculty member, Animal Behavior Graduate Group and John Muir Institute of the Environment, UC Davis
- 2007 – 2014 Faculty member, Graduate Group in Ecology, UC Davis
- 2006 – 2011 Assistant Professor, Department of Anthropology, UC Davis
- 2004 – 2006 Mercer Postdoctoral Fellow, Arnold Arboretum of Harvard University

## PUBLICATIONS

Google Scholar Citations: 5748. H-index: 40; i10-index: 78 (updated 2021-11-22)

Journal articles, \* denotes current or past student co-author

- Marshall AJ**, E Meijaard & M Leighton. 2021. Extreme ecological specialization in a rainforest mammal, the Bornean tufted ground squirrel, *Rheithrosciurus macrotis*. *Raffles Bulletin of Zoology*. 69: 497–506.
- Cannon CH & 35 co-authors, including **AJ Marshall**. Extending our scientific reach in arboreal ecosystems for research and management. *Frontiers in Forests and Global Change* 4: 712165.
- Marshall AJ**, MT Farr, L Beaudrot\*, EF Zipkin, KL Feilen\*, LG Bell, E Setiawan\*, TW Susanto, T Mitra Setia, M Leighton & HU Wittmer. 2021. Biotic and abiotic drivers of dispersion dynamics in a large-bodied tropical vertebrate, the Western Bornean orangutan. *Oecologia*. 196: 707–721.
- Knott CD & 44 co-authors, including **AJ Marshall**. 2021. The Gunung Palung orangutan project: Twenty-five years at the intersection of research and conservation in a critical landscape in Indonesia. *Biological Conservation* 255: 108856.
- Bernard AB\* & **AJ Marshall**. 2020. Assessing the state of knowledge of contemporary climate change and primates. *Evolutionary Anthropology* 29: 317–331.
- Junker J & 58 co-authors, including **AJ Marshall**. 2020. Severe lack of evidence limits effective conservation of the world's primates *Bioscience* 9: 794–803.
- Feilen KL\* & **AJ Marshall**. 2020. Responses to spatial and temporal variation in food availability on the feeding ecology of proboscis monkeys (*Nasalis larvatus*) in West Kalimantan, Indonesia. *Folia Primatologia* 91: 399–416.
- Beaudrot L\* & **AJ Marshall**. 2019. Environmental predictors of primate community structure differ among biogeographic regions. *Journal of Tropical Ecology* 35: 83–90.
- Runting RK & 21 co-authors, including **AJ Marshall**. 2019. Larger gains delivered by improved management over sparing-sharing for tropical forests. *Nature Sustainability*. 2:53–91.
- Lau AR\*, DJ Clink\*, MC Crofoot & **AJ Marshall**. 2018. Evidence for high variability in temporal features of the male coda in Müller's Bornean gibbons (*Hylobates muelleri*). *International Journal of Primatology* 39: 6760–684.
- Clink DJ\*, MN Grote, MC Crofoot & **AJ Marshall**. 2018. Understanding sources of variance and correlation among features of Bornean gibbon (*Hylobates muelleri*) female calls. *Journal of the Acoustical Society of America* 144: 698–708.
- Clink DJ\*, RA Charif, MC Crofoot & **AJ Marshall**. 2018. Evidence for vocal performance constraints in a female nonhuman primate. *Animal Behaviour* 141: 85–94.
- Spehar SN, D Shiel, T Harrison, J Louys, M Ancrenaz, **AJ Marshall**, SA Wich, MW Bruford & E Meijaard. 2018. Orangutans venture out of the rainforest and into the Anthropocene. *Science Advances*. 4: e1701422.
- Clink DJ\*, MC Crofoot & **AJ Marshall**. 2018. Application of a semi-automated vocal fingerprinting approach to monitor Bornean gibbon females in an experimentally fragmented landscape in Sabah, Malaysia. *Bioacoustics*. <https://doi.org/10.1080/09524622.2018.1426042.v>

- Dillis C\*, **AJ Marshall**, CO Webb & MN Grote. 2018. Prolific fruit output by the invasive tree *Bellucia pentamera* Naudin (Melastomataceae) is enhanced by selective logging disturbance. *Biotropica*. 50: 598-605.
- Voigt M & 49 co-authors, including **AJ Marshall**. 2018. Global demand for natural resources eliminated more than 100,000 Bornean orangutans. *Current Biology*. 28: 761-769.
- Fischer JH, SEI Jones, JF Brodie, AJ Marshall, E Setiawan, A Wain, TBT Van Berkel, OR Wearn, A Van Der Kaaden, A Granados, J Mathai, SM Cheyne & MJH Denny. 2017. The potential value of camera-trap studies for the identification, ageing, sexing and phenology of Bornean *Lophura* pheasants. *Forktail*. 33: 92–102.
- Clink DJ\*, H Bernard, MC Crofoot & **AJ Marshall**. 2017. Investigating individual vocal signatures and small-scale patterns of geographic variation in female Bornean gibbon (*Hylobates muelleri*) great calls. *International Journal of Primatology*. 38: 656–671.
- Santika T & 47 co-authors, including **AJ Marshall**. 2017. First integrative trend analysis for a great ape species in Borneo. *Scientific Reports*. 7:4839. DOI:10.1038/s41598-017-04435-9.
- Feilen KL\* & **AJ Marshall**. 2017. Multiple ecological factors influence the location of proboscis monkey (*Nasalis larvatus*) sleeping sites in West Kalimantan, Indonesia. *International Journal of Primatology*. 38: 448–465.
- Dillis C\*, **AJ Marshall** & M Rejmánek. 2017. Change in disturbance regime facilitates invasion by *Bellucia pentamera* Naudin (Melastomataceae) at Gunung Palung National Park, Indonesia. *Biological Invasions*. 19: 1329–1337.
- Clink DJ\*, C Dillis\*, KL Feilen\*, L Beaudrot\*, and **AJ Marshall**. 2017. Dietary diversity, feeding selectivity, and responses to fruit scarcity of two sympatric Bornean primates (*Hylobates albibarbis* and *Presbytis rubicunda rubida*). *PLoS ONE* 12(3): e0173369. doi:10.1371/journal.pone.0173369
- Fischer JH, HU Wittmer, E Setiawan, S Jaffe & **AJ Marshall**. 2017. Incipient loss of a rainforest mutualism? *Journal of Threatened Taxa*. 9: 9734–9737.
- Allen ML, HU Wittmer, E Setiawan, S Jaffe & **AJ Marshall**. 2016. Scent marking in Sunda clouded leopards (*Neofelis diardi*): novel observations close a key gap in understanding felid communication behaviours. *Scientific Reports*. 6: 35433. doi: 10.1038/ srep35433
- Marshall AJ**, SA Wich & M Ancrenaz. 2016. Fresh strategies to save orangutans. *Nature*. 535: 493. (Commentary)
- Meijaard E & 17 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the Malay Weasel *Mustela nudipes* (Mammalia: Carnivora: Mustelidae) on Borneo. *Raffles Bulletin of Zoology*. 33: 50–54.
- Duckworth JW & 21 co-authors, including **AJ Marshall**. 2016. Predicted distribution of banded linsang *Prionodon linsang* (Mammalia: Carnivora: Prionodontidae) on Borneo. *Raffles Bulletin of Zoology*. 33: 71–77.
- Ross J & 22 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the Malay civet *Viverra zangara* (Mammalia: Carnivora: Viverridae) on Borneo. *Raffles Bulletin of Zoology*. 33: 78–83.
- Nakabayashi M & 29 co-authors, including **AJ Marshall**. 2016. Predicted distribution of common palm civet *Paradoxurus hermaphroditus* (Mammalia: Carnivora: Viverridae) on Borneo. *Raffles Bulletin of Zoology*. 33: 84–88.

- Semiadi G & 20 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the masked palm civet *Paguma larvata* (Mammalia: Carnivora: Viverridae) on Borneo. *Raffles Bulletin of Zoology*. 33: 89–95.
- Semiadi G & 22 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the binturong *Arctictis binturong* (Mammalia: Carnivora: Viverridae) on Borneo. *Raffles Bulletin of Zoology*. 33: 96–102.
- Duckworth JW & 20 co-authors, including **AJ Marshall**. 2016. Predicted distribution of small-toothed palm civet *Arctogalidia trivirgata* (Mammalia: Carnivora: Viverridae) on Borneo. *Raffles Bulletin of Zoology*. 33: 103–110.
- Ross J & 22 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the banded civet *Hemigalus derbyanus* (Mammalia: Carnivora: Viverridae) on Borneo. *Raffles Bulletin of Zoology*. 33: 111–117.
- Cheyne SM & 16 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the otter civet *Cynogale Bennettii* (Mammalia: Carnivora: Viverridae) on Borneo. *Raffles Bulletin of Zoology*. 33: 126–131.
- Hon J & 18 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the collard mongoose *Herpestes semitorquatus* (Mammalia: Carnivora: Herpestidae) on Borneo. *Raffles Bulletin of Zoology*. 33: 142–148.
- Hearn A & 24 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the Sunda clouded leopard *Neofelis diardi* (Mammalia: Carnivora: Felidae) on Borneo. *Raffles Bulletin of Zoology*. 33: 149–156.
- Rustam & 24 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the marbled cat *Pardofelis marmorata* (Mammalia: Carnivora: Felidae) on Borneo. *Raffles Bulletin of Zoology*. 33: 157–164.
- Wilting A & 20 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the flat-headed cat *Prionailurus planiceps* (Mammalia: Carnivora: Felidae) on Borneo. *Raffles Bulletin of Zoology*. 33: 173–179.
- Mohamed A & 29 co-authors, including **AJ Marshall**. 2016. Predicted distribution of the leopard cat *Prionailurus bengalensis* (Mammalia: Carnivora: Felidae) on Borneo. *Raffles Bulletin of Zoology*. 33: 180–185.
- Mathai J, JW Duckworth, E Meijaard, G Fredriksson, J Hon, A Sebasitan, M Ancrenaz, AJ Hearn, J Ross, SM Cheyne, The Borneo Carnivore Consortium (large group including **AJ Marshall**), and A Wilting. 2016. Carnivore conservation planning on Borneo: identifying key carnivore landscapes, research priorities and conservation interventions. *Raffles Bulletin of Zoology*. 33: 186–217.
- Marshall AJ, E Meijaard, E Van Cleave\* & D Sheil. 2016. Charisma counts: the presence of great apes affects the allocation of research effort in the paleotropics. *Frontiers in Ecology and the Environment*. 14: 13–19.
- Dillis C\*, L Beaudrot\*, DJ Clink\*, KL Feilen\*, HU Wittmer & **AJ Marshall**. 2015. Modeling the ecological and phenological predictors of fruit consumption by gibbons (*Hylobates albibarbis*). *Biotropica*. 47: 85–93.
- Struebig MJ, A Wilting, DLA Gaveau, E Meijaard, RJ Smith, The Borneo Mammal Distribution Consortium (large group including **AJ Marshall**), M Fisher, K Metcalfe & S Kramer-Schadt. 2015. Targeted conservation to safeguard a biodiversity hotspot from climate and land-cover change. *Current Biology*. 25: 372–378.

- Feilen KL\* & **AJ Marshall**. 2014. Sleeping site selection by proboscis monkeys (*Nasalis larvatus*) in West Kalimantan, Indonesia. *American Journal of Primatology*. 76: 1127–1139.
- Marshall AJ**, L Beaudrot\* & HU Wittmer. 2014. Responses of primates and other frugivorous vertebrates to plant resource variability over space and time at Gunung Palung National Park. *International Journal of Primatology*. 35: 1178–1201.
- Beaudrot L\*, J Kamilar, **AJ Marshall**, & KE Reed. 2014. African primate assemblages exhibit a latitudinal gradient in dispersal limitation. *International Journal of Primatology*. 35: 1088–1104.
- Caro T, A Dobson, **AJ Marshall** & CA Peres. 2014. Compromise solutions between conservation and road building in the tropics. *Current Biology*. 24: R722–725.
- Wittmer HU, LM Elbroch & **AJ Marshall**. 2014. Conservation of huemul in the future Patagonia National Park: A call for immediate management intervention. *IUCN Deer Specialist Group Newsletter*. 26: 6–13.
- Wittmer HU, M Hasenbank, LM Elbroch & **AJ Marshall**. 2014. Incorporating preferential prey selection and stochastic predation into population viability analysis for rare prey species. *Biological Conservation*. 172:8–14.
- Beaudrot L\*, MJ Struebig, E Meijaard, S van Balen, S Husson & **AJ Marshall**. 2013. Co-occurrence patterns of Bornean vertebrates suggest competitive exclusion is strongest among distantly related species. *Oecologia*. 173: 1053–1062.
- Kramer-Schadt S & 27 co-authors, including **AJ Marshall**. 2013. The importance of correcting for sampling bias in MaxEnt distribution models. *Diversity and Distributions*. 19: 1366–1379.
- Beaudrot L\*, M Rejmánek & **AJ Marshall**. 2013. Dispersal modes affect tropical forest assembly across tropic levels. *Ecography*. 36: 984–993. Highlighted as an “Editor’s Choice” article on the *Ecography* website.
- Wittmer HU, LM Elbroch & **AJ Marshall**. 2013. Good intentions gone wrong: did conservation management threaten endangered huemul deer in the future Patagonia National Park? *Oryx*. 47: 393–402.
- Wittmer HU, R Serrouya, LM Elbroch & **AJ Marshall**. 2013. Conservation strategies for species affected by apparent competition. *Conservation Biology* 27: 254–260.
- Beaudrot L\*, MJ Struebig, E Meijaard, S van Balen, S Husson, CF Young & **AJ Marshall**. 2013. Interspecific interactions between primates, birds, bats and squirrels may affect community composition on Borneo. *American Journal of Primatology*. 75: 170–185.
- Wich SA & 35 co-authors, including **AJ Marshall**. 2012. Understanding the impacts of land-use policies on a threatened species: Is there a future for the Bornean orang-utan? *PLoS One*. 7(11): e49142. doi:10.1371/journal.pone.0049142.
- Meijaard E, SA Wich, M Ancrenaz & **AJ Marshall**. 2012. Not by science alone: why orangutan conservationists must think outside the box. *Annals of the New York Academy of Sciences*. 1249: 29–44.
- Kettle, C. & 25 co-authors, including **AJ Marshall**. 2011. Seeing the fruit for the trees in Borneo. *Conservation Letters*. 4: 184–191.
- Wich SA, ER Vogel, MD Larsen, G Fredriksson, M Leighton, CP Yeager, FQ Brearley, CP van Schaik & **AJ Marshall**. 2011. Forest fruit production is higher on Sumatra than Borneo. *PLoS One*. 6(6): e21278. doi:10.1371/journal.pone.0021278.

- Harrison ME & **AJ Marshall**. 2011. Strategies for the use of fallback foods in apes. *International Journal of Primatology*. 32: 531–565. (One of five “Top Cited Papers” in *International Journal of Primatology* 2011–2012.)
- Meijaard E, K Mengersen, D Buchori, A Nurcahyo, M Ancrenaz, SA Wich, SS Utami Atmoko, A Tjiu, D Prasetyo, Nardiyono, Hadiprakarsa, L Christy, J Wells, G Albar & **AJ Marshall**. 2011. Why don't we ask? A complementary method for assessing the status of great apes. *PLoS One*. 6(3): e18008. doi:10.1371/journal.pone.0018008.
- Beaudrot LH\* & **AJ Marshall**. 2011. Primate communities are structured more by dispersal limitation than by niches. *Journal of Animal Ecology*. 80: 332–341. (Reprinted in a special edition of the *Journal of Animal Ecology* entitled “Animal Ecology – legacy of Charles S Elton.”)
- Paoli GD, PL Wells, E Meijaard, MJ Struebig, **AJ Marshall**, K Obidzinski, A Tan, A Rafiastanto, B Yaap, JWF. Slik, A Morel, B Perumal & N Wielaard. 2010. Biodiversity in the REDD. *Carbon Balance and Management*. 5:7 (1–9). (The most downloaded paper in *Carbon Balance and Management* in 2011, with more than 13,000 unique downloads).
- Spehar SN, PD Mathewson, Nuzuar, SA Wich, **AJ Marshall**, H Kühl, Nardiyono & E Meijaard. 2010. Estimating orangutan densities using the standing crop and marked nest count methods: lessons learned for conservation. *Biotropica*. 42: 748–757.
- Kettle CJ & 24 co-authors, including **AJ Marshall**. 2010. Mass fruiting in Borneo: a missed opportunity. *Science*. 330: 584.
- Meijaard E, A Welsh, M Ancrenaz, SA Wich, V Nijman & **AJ Marshall**. 2010. Declining orangutan encounter rates from Wallace to the present suggest the species was once more abundant. *PLoS One*. 5(8) : e12042. doi:10.1371/journal.pone.0012042.
- Boyko RH\* & **AJ Marshall**. 2010. Using simulation models to evaluate ape nest survey techniques. *PLoS One*. 5(5): e10754. doi:10.1371/journal.pone.0010754.
- Marshall AJ**, CM Boyko\*, KL Feilen\*, RH Boyko\* & M Leighton. 2009. Defining fallback foods and assessing their importance in primate ecology and evolution. *American Journal of Physical Anthropology*. 140: 603–614.
- Beaudrot L\*, SM Kahlenberg & **AJ Marshall**. 2009. Why male orangutans don't kill infants. *Behavioral Ecology and Sociobiology*. 63: 1549-1562. (One of ten most downloaded articles from *Behavioral Ecology and Sociobiology* website in 2009).
- Boyko RH\* & **AJ Marshall**. 2009. The willing cuckold: Optimal paternity allocation, infanticide, and male reproductive strategies in mammals. *Animal Behaviour*. 77: 1397–1407.
- Marshall AJ** & E Meijaard. 2009. Orangutan nest surveys: the devil is in the details. *Oryx*. 43: 416–418.
- Marshall AJ**. 2009. Are montane forests demographic sinks for Bornean white-bearded gibbons? *Biotropica*. 41: 257–267.
- Wich SA, E Meijaard, **AJ Marshall**, SJ Husson, M Ancrenaz, RC Lacy, CP van Schaik, J Sugardjito, T Simorangkir, K Traylor-Holzer, B Galdikas, M Doughty, J Supriatna, R Dennis, M Gumal, CD Knott & I Singleton. 2008. Distribution and conservation status of the orang-utan (*Pongo* spp.) on Borneo and Sumatra: how many remain? *Oryx* 42: 329–333.
- Meijaard E, D Sheil, **AJ Marshall** & R Nasi. 2008. Phylogenetic age is positively correlated with sensitivity to timber harvest in Bornean mammals. *Biotropica*. 40: 76–85.

- Mathewson P, S Spehar, E Meijaard, Nardiyono, Purnomo, A Sasmirul, Sudiyanto, Oman, Sulhnutdin, Jasary, Jumali & **AJ Marshall**. 2008. Evaluating orangutan census techniques using nest decay rates: implications for population estimates. *Ecological Applications* 18: 208–221.
- Meijaard, E & **AJ Marshall**. 2008. Why didn't we just ask? *Forest Science News*. 4(10): 3. (Not peer reviewed)
- Marshall AJ** & RW Wrangham. 2007. Evolutionary consequences of fallback foods. *International Journal of Primatology* 28: 1219–1235.
- Cannon CH, LM Curran, **AJ Marshall** & M Leighton. 2007. Beyond mast-fruited events: Community asynchrony and individual dormancy dominate woody plant reproductive behavior across seven Bornean forest types. *Current Science*. 93: 1558–1566.
- Marshall AJ**, LA Salas, S Stephens, Nardiyono, LM Engström, E Meijaard & SA Stanley. 2007. Use of limestone karst forests by Bornean orangutans (*Pongo pygmaeus morio*) in the Sangkulirang Peninsula, East Kalimantan, Indonesia. *American Journal of Primatology* 69: 1–8.
- Cannon CH, LM Curran, **AJ Marshall** & M Leighton. 2007. Long-term reproductive behavior of woody plants across seven Bornean forest types in the Gunung Palung National Park, Indonesia: suprannual synchrony, temporal productivity, and fruiting diversity *Ecology Letters* 10: 956–969.
- Marshall AJ**, Nardiyono, LM Engström, B Pamungkas, J Palapa, E Meijaard & SA Stanley. 2006. The blowgun is mightier than the chainsaw in determining population density of Bornean orangutans (*Pongo pygmaeus morio*) in the forests of East Kalimantan. *Biological Conservation* 129: 566–578.
- Johnson AJ, CD Knott, B Pamungkas, M Pasaribu & **AJ Marshall**. 2005. A survey of the orangutan population in and around Gunung Palung National Park, West Kalimantan, Indonesia based on nest counts. *Biological Conservation* 121: 495–507.
- Marshall AJ** & G Hohmann. 2005. Urinary testosterone levels of wild male bonobos, *Pan paniscus*, in the Lomako Forest, DRC. *American Journal of Primatology* 65: 87–92.
- Yeager CP, **AJ Marshall**, CM Stickler CA Chapman. 2003. Effects of forest fires on peat swamp and lowland Dipterocarp forests in Kalimantan, Indonesia. *Tropical Biodiversity* 8: 121–138.
- Marshall AJ**, RW Wrangham & A Arcadi. 1999. Does learning affect the structure of vocalizations in chimpanzees? *Animal Behaviour* 58: 825–830.

*Book Chapters (Peer reviewed)*

- Marshall AJ**. in press. Food and primate carrying capacity. In Lambert JE & J Rothman (eds). *Primate Diet and Nutrition: Needing, Finding, and Using Food*. Chicago: University of Chicago Press.
- Marshall AJ**. 2018. Conservation science in the tropics: why so much ecological research is useless, and why we need more of it. *Primatology, Bio-cultural Diversity and Sustainable Development in Tropical Forests*, pp. 50–71. UNESCO, Mexico City, Mexico.
- Marshall AJ** 2017. Niche. In Fuentes, A (ed). *The International Encyclopedia of Primatology*. Hoboken: John Wiley & Sons, Inc.
- Wich SA & **AJ Marshall**. 2016. An introduction to primate conservation. In Wich SA & AJ Marshall (eds). *An Introduction to Primate Conservation*. Oxford: Oxford University Press. Pp. 1–12.
- Marshall AJ** & SA Wich. 2016. Why conserve primates? In Wich SA & AJ Marshall (eds). *An Introduction to Primate Conservation*. Oxford: Oxford University Press. Pp. 13–29.

- Gaveau D, SA Wich & **AJ Marshall**. 2016. Are protected areas conserving primate habitat in Indonesia? In Wich SA & AJ Marshall (eds). *An Introduction to Primate Conservation*. Oxford: Oxford University Press. Pp. 193–204.
- Marshall AJ** & SA Wich. 2016. Some future directions for primate conservation research. In Wich SA & AJ Marshall (eds). *An Introduction to Primate Conservation*. Oxford: Oxford University Press. Pp. 287–296.
- Marshall AJ** & SA Wich. 2013. Characterization of primate environments through assessment of plant phenology. In Sterling E, M Blair N Bynum. *Primate Ecology and Conservation: A Handbook of Techniques*. Oxford: Oxford University Press. Pp. 103–127.
- Marshall AJ**. 2010. Effects of habitat quality on primate populations in Kalimantan: gibbons and leaf monkeys as case studies. In Supriatna J & SL Gursky (Eds.) *Indonesian Primates*. New York: Springer. Pp. 157–177.
- Husson SJ, SA Wich, **AJ Marshall**, RD Dennis, M Ancrenaz, R Brassey, M Gumal, AJ Hearn, E Meijaard, T Simorangkir & I Singleton. Orangutan distribution, density, abundance and impacts of disturbance. 2009. In Wich SA, SS Utami-Atmoko, Mitra Setia T & CP van Schaik (eds). *Orangutans: Geographic variation in behavioral ecology and conservation*. Oxford: Oxford University Press. Pp. 77–96.
- Marshall AJ**, M Ancrenaz, FQ Brearley, G Fredriksson, N Ghaffar, M Heydon, SJ Husson, M Leighton, KR McConkey, H Morrogh-Bernard, J Proctor, CP van Schaik, CP Yeager & SA Wich. 2009. The effects of forest phenology and floristics on populations of Bornean and Sumatran orangutans: are Sumatran forests more productive than Bornean forests? In Wich SA, SS Utami-Atmoko, Mitra Setia T & CP van Schaik (eds). *Orangutans: Geographic variation in behavioral ecology and conservation*. Oxford: Oxford University Press. Pp. 97–117.
- Morrogh-Bernard HC, SJ Husson, CD Knott, SA Wich, CP van Schaik, MA van Noordwijk, I Lackman-Ancrenaz, **AJ Marshall**, T Kanamori, N Kuze & R bin Sakong. 2009. Orangutan activity budgets: a comparison between species, populations and habitats. In Wich SA, SS Utami-Atmoko, Mitra Setia T & CP van Schaik (eds). *Orangutans: Geographic variation in behavioral ecology and conservation*. Oxford: Oxford University Press. Pp. 119–133.
- Marshall AJ**, R Lacy, M Ancrenaz, O Byers, S Husson, M Leighton, E Meijaard, N Rosen, I Singleton, S Stephens, K Traylor-Holtzer, SS Utami Atmoko, CP van Schaik & SA Wich. 2009. Orangutan population biology, life history, and conservation: Perspectives from PVA models. In Wich SA, SS Utami-Atmoko, Mitra Setia T & CP van Schaik (eds). *Orangutans: Geographic variation in behavioral ecology and conservation*. Oxford: Oxford University Press. Pp. 311–326.
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- Wrangham RW, G Hagel, M Leighton, **AJ Marshall**, P Waldau, & T Nishida. 2008. The Great Ape World Heritage Species Project. In Mehlman P, D Steklis & T Stoinski (eds). *Conservation in the 21<sup>st</sup> Century: Gorillas as a Case Study*. New York: Kluwer Academic /Plenum Publishers. Pp. 282–295.



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- Nishida T, RW Wrangham, JH Jones, **AJ Marshall** & J Wakibara. 2001. Do chimpanzees survive the 21<sup>st</sup> century? In *The Apes: Challenges for the 21<sup>st</sup> Century*. Conference Proceedings, Brookfield Zoo. Pp. 43–51.

#### *Edited Books*

- Wich SA & **AJ Marshall**. 2016. *An Introduction to Primate Conservation*. Oxford: Oxford University Press.
- Kartikasari SN, **AJ Marshall** & BM Beehler. 2012. *Ekologi Papua*. Jakarta, Yayasan Obor Indonesia. 981 pp.
- Marshall AJ** & BM Beehler. 2007. *The Ecology of Papua*. Singapore: Periplus Editions. Two volumes, 1467 pp.

#### *Scientific Reports*

- Ancrenaz M, M Gumal, **AJ Marshall**, E Meijaard, SA Wich & S Husson. 2016. *Pongo pygmaeus*. The IUCN Red List of Threatened Species.
- Marshall AJ**, V Nijman & S Cheyne 2015. *Hylobates albibarbis*. 2007 IUCN Red List of Threatened Species.
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- Marshall AJ**. 2002. Orangutan population survey of Gunung Gajah in Berau district, East Kalimantan. The Nature Conservancy.
- Marshall AJ**. 2002. Protocol for the rapid assessment of habitat quality for orangutans (*Pongo pygmaeus*) The Nature Conservancy.
- Marshall AJ**. 2001. Protocol for orangutan population survey of the Berau District, East Kalimantan. The Nature Conservancy.
- Marshall AJ**, JH Jones & RW Wrangham. 1999. The Plight of the Apes: a global survey of great ape populations. Congressional briefing in support of Great Ape Conservation Act, H.R. 4320.

#### **CONTRIBUTED TALKS AND ABSTRACTS**

- 2017 *Identifying the ecological mechanisms promoting long-term co-existence in a mega-diverse assemblage of vertebrate frugivores at Gunung Palung National Park, West Kalimantan, Indonesia*. Conference of the American Association of Physical

- Anthropologists, New Orleans, LA. *American Journal of Physical Anthropology*, S64: 276-277.
- 2015 *Tropical research is biased towards national parks containing great apes.* Conference of the American Association of Physical Anthropologists, St. Louis, MO. *American Journal of Physical Anthropology*, S60: 214.
- 2013 *Feeding niche overlap and differentiation among sympatric vertebrate frugivores at Gunung Palung National Park, West Kalimantan, Indonesia.* Conference of the American Association of Physical Anthropologists, Knoxville, TN. *American Journal of Physical Anthropology*, S56: 190.
- 2012 *Ecological and social influences on habitat use by Bornean orangutans.* Conference of the American Association of Physical Anthropologists, Portland, OR. *American Journal of Physical Anthropology*, S54: 204.
- 2010 *Habitat selection by Bornean orangutans: Population dispersion in response to temporal changes in local food availability.* Conference of the International Primatological Society, Kyoto, Japan. *International Primatological Society XXII Congress Kyoto 2010 Abstracts* 756: 381.
- 2010 *Dispersal limitation, ecological niche differentiation, and primate community structure in four tropical metacommunities.* Conference of the Association of Tropical Biology and Conservation, Bali, Indonesia. *ATBC Abstracts V-31-10*: 101.
- 2010 *Neutrality, niches, and the assembly of primate communities.* Conference of the American Association of Physical Anthropologists, Albuquerque, NM. *American Journal of Physical Anthropology* S50: 164-165.
- 2008 *Defining fallback foods and considering their importance in primate ecology and evolution.* Conference of the American Association of Physical Anthropologists, Columbus, OH. *American Journal of Physical Anthropology* S46: 149.
- 2006 *The effects of habitat quality, phenology, and floristics on populations of Bornean and Sumatran orangutans: are Sumatran forests more productive than Bornean forests?* International Congress of Primatologists, Entebbe, Uganda. *International Journal of Primatology* 27 S1: 381.
- 2006 *Simian sources and sinks: incorporating spatial information on habitat quality into conservation plans for endangered primates.* International Congress of Primatologists, Entebbe, Uganda. *International Journal of Primatology* 27 S1: 18.
- 2005 *What is a fallback food?* New England Biological Anthropology Symposium, Boston University, Boston, MA, USA.
- 2004 *Density and demography of agile gibbons (*Hylobates agilis albibarbis*) and kelasi (*Presbytis rubicunda*) in seven forest types: the importance of habitat heterogeneity.* New England Biological Anthropology Symposium, Yale University, New Haven, CT, USA.
- 2003 *Ecological constraints on primate density in Gunung Palung National Park, Indonesia.* New England Biological Anthropology Symposium, Harvard University, Cambridge, MA, USA.

## INVITED TALKS

- 2019 *Ekologi komunitas vertebrat di Stasium Riset Cabang Panti: tiga contoh sederhana.* Universitas Nasional, Jakarta, Indonesia. (In Indonesian).
- 2017 *Conservation primatology in an era of rapid ecological change: perspectives from Borneo* Primatology, Bio-cultural Diversity and Sustainable Development in Tropical Forests. UNESCO, Mexico City, Mexico.
- 2017 *Conservation science in the tropics: why most ecological research is useless, and why we need more of it.* School of Biological Sciences, Victoria University of Wellington, New Zealand.
- 2017 *Conservation science in the tropics: why most ecological research is useless, and why we need more of it.* New York Consortium of Evolutionary Primatology, New York, NY, USA.
- 2016 *Penelitian primate dan ekologi hutan di Taman Nasional Gunung Palung.* Faculty of Mathematics and Natural Sciences, Universitas Tangjungpura, Pontianak, West Kalimantan, Indonesia. (In Indonesian).
- 2016 *Conservation science in the tropics: why most ecological research is useless, and why we need more of it.* Ecology and Evolutionary Biology Seminar Series, University of Michigan, Ann Arbor, MI, USA.
- 2015 *Ecology of Bornean vertebrate communities: how important is competition?* Ecology, Evolutionary Biology and Behavior Seminar Series, Michigan State University, East Lansing, MI, USA.
- 2015 *Program penelitian kelempiau dan kelasi (KKL): Hasil sederhana berdasarkan penelitian jangka waktu panjang tentang populasi vertebrata yang tempati beberapa tipe habitat Gunung Palung 30+, Sukadana, West Kalimantan, Indonesia.* (In Indonesian).
- 2014 *How can field research inform orangutan conservation in complex landscapes and an uncertain future?* Orangutan Conservation Summit, Houston, TX, USA.
- 2013 *Ecological and evolutionary perspectives on the adaptations of Bornean primates.* Department of Anthropology, University of Michigan, Ann Arbor, MI, USA.
- 2013 *Ecological, evolutionary, and community perspectives on the adaptations of Bornean primates: how important is competition?* UNM Department of Anthropology Colloquium Series. University of New Mexico, Albuquerque, NM, USA.
- 2012 *Ecological and historical perspectives on the conservation of Bornean orangutan populations.* Santa Clara University Anthropology Colloquium. Santa Clara University, Santa Clara, CA, USA.
- 2011 *Field primatology and conservation in the Bornean rainforest.* Los Rios Anthropology Expo, Consumnes River College, Sacramento, CA, USA.
- 2011 *Ecological studies of plants and primates at Gunung Palung National Park, West Kalimantan: perspectives from long-term research across a diverse tropical landscape.* Indonesian Institute of Sciences, Cibinong, Java, Indonesia.
- 2011 *Ecological and historical perspectives on the conservation of Bornean orangutan populations.* Southern California Primate Research Forum. Topic: "Tropical forest

- ecology: implications for primate conservation". California State University, Fullerton, CA, USA.
- 2011 *How ecology influences Bornean primate populations*. College of Natural Resources, Department of Environmental Science, Policy and Management, University of California, Berkeley, CA, USA.
- 2011 *How ecological variation influences Bornean primate populations: perspectives from research across a diverse tropical landscape*. Nicholas School for the Environment, Duke University, Durham, NC, USA.
- 2010 *Ecological and historical perspectives on Bornean orangutan populations*. Evolutionary Anthropology Colloquium Series, Department of Anthropology, University of California at Davis, USA.
- 2010 *How field biologists can contribute to primate conservation: Three simple examples from Bornean rain forests*. Colloquium Series, California Academy of Sciences, San Francisco, CA, USA.
- 2010 *Applying field ecology to conservation biology: Three simple examples from Bornean rainforests*. Society for Conservation Biology, UC Davis Chapter, University of California at Davis, USA.
- 2008 *Overview of some ecological research conducted in Gunung Palung National Park, West Kalimantan*. Center for International Forestry Research, Bogor, Indonesia.
- 2007 *Effects of habitat quality on primate populations: implications for conservation*. Southern California Primate Research Forum "Asian Primates in Perspective". San Diego State University, San Diego, CA, USA.
- 2007 *Program Penelitian kelempiau dan kelasi di Taman Nasional Gunung Palung*. Gunung Palung National Park Bureau, Ketapang, West Kalimantan, Indonesia, with J. R. Harting. (In Indonesian).
- 2006 *Laporan hasil survei awal keanekaragaman hayati di Pegunungan Arfak dan Tamrau, Papua*. Biology Faculty, State University of Papua, Irian Jaya Barat, Indonesia. (in Indonesian)
- 2006 *Habitat quality and primate ecology: a case study of gibbons and leaf monkeys across a gradient of Bornean forest types*. Department of Anthropology, Stanford University, USA.
- 2006 *Habitat quality and primate ecology: a case study of gibbons and leaf monkeys across a gradient of Bornean forest types*. Department of Anthropology, University of California at Davis, USA.
- 2006 *Habitat quality and primate ecology: a case study of gibbons and leaf monkeys across a gradient of Bornean forest types*. Department of Anthropology, Washington University- St. Louis, USA.
- 2005 *The population ecology of white bearded gibbons and red leaf monkeys in Gunung Palung National Park, Indonesia*. New York Consortium of Evolutionary Primatology, New York, NY, USA.
- 2005 *The population ecology of white bearded gibbons and red leaf monkeys in Gunung Palung National Park, Indonesia*. Biology Department, Texas Tech University, Lubbock, TX, USA.

- 2004 *How does food availability constrain the population density of agile gibbons?* Feeding Ecology of the Apes and other Primates, Max Planck Institute, Leipzig, Germany.
- 2004 *The population ecology of white bearded gibbons and red leaf monkeys in Gunung Palung National Park, Indonesia.* Biology Department, University of Regina, Saskatchewan, Canada.
- 2002 *Ecological constraints on orangutan population density.* COE2/SAGA5 Conference on Great Apes, Inuyama, Japan.
- 2002 *Pengelolaan dan konservasi bersama kawasan habitat orangutan.* Orangutan Conservation Workshop, The Nature Conservancy, Samarinda, East Kalimantan, Indonesia (in Indonesian).
- 1998 *Does learning affect the structure of vocalizations in chimpanzees?* Max Planck Institute, Seewiesen, Germany.

## PUBLIC LECTURES

- 2010 *How long-term ecological research on primates enhances our understanding of human origins.* Leakey Foundation Holiday Party, Tiburon, CA.
- 2010 *Why conservation depends on evolutionary biology: Examples from Borneo's rain forest.* Keynote speaker, Sacramento Darwin Day, Carmichael, CA, USA.
- 2006 *Tales from the forest: Research, conservation, and exploration in Indonesian Borneo.* Youth Program, Westborough State Hospital, Westborough, MA, USA.
- 2004 *Is community-based ecotourism an efficient use of biodiversity conservation funds?* Globalization, Eco-tourism and the State of Nature, Dunlop Art Gallery, Regina, Saskatchewan, Canada.
- 2004 *Sources, sinks, and primate conservation on Borneo: Is the conservation situation for rainforest primates as bad as it seems?* Zoo New England, Boston, MA, USA.
- 2002 *What determines habitat quality for orangutans?* Saving the Last Wild Orangutans, Harvard University, Cambridge, MA, USA.

## MEDIA COVERAGE

Research in Borneo has been featured in science and popular media outlets, including *Science*, *Nature*, *National Geographic*, *Scientific American*, *Smithsonian News*, *Discovery.com*, *Mongabay.com*, *The Washington Post*, *The New York Times*, *The Daily Mail*, *The Guardian*, *New Scientist*, and others.

Interviewed and cited in stories by *CNN*, *National Geographic*, *Mongabay.com*, *New Scientist*, *The New York Times* and others, and by local and national press outlets in China, Dubai, Indonesia, Malaysia, The Netherlands, Singapore, U.K., and U.S.A.

## RESEARCH EXPERIENCE

- 1996 – 2020 Over six total years of field experience living and working in tropical rainforests of Indonesia (including 62 months on site at the Cabang Panti Research Station, Gunung Palung National Park, West Kalimantan).
- 2007 – 2020 Directing collection of long-term ecological data at the Cabang Panti Research Station, Gunung Palung National Park, West Kalimantan, Indonesia.

- 2006 Participated as a member of small survey team on an expedition to West Papua, Indonesia funded by the National Geographic Society. The principle goal of the trip, on which I served as team interpreter and general forest ecologist, was to gain additional information on the ecology and diet of the Hooded Pitohui, one of the world's few poisonous birds.
- 2004 – 2006 Edited, managed, contributed to, and conducted research for production of *The Ecology of Papua* (2006, A. J. Marshall and B. M. Beehler, eds, Singapore: Periplus Editions).
- 2001 – 2008 Worked as long-term biological and ecological consultant to the Nature Conservancy's East Kalimantan Program, Indonesia.
- 2000 – 2002 Conducted 24 months of Ph.D. fieldwork in Gunung Palung National Park, West Kalimantan, Indonesia.
- 1998 Conducted fieldwork on the comparative social endocrinology of chimpanzees, *Pan troglodytes*, and bonobos, *Pan paniscus*, in Kibale National Forest, Uganda, and Lomako Forest, Democratic Republic of Congo.
- 1997 –1999 Executed analyses in both the Reproductive Endocrinology and Nutritional Ecology Laboratories in the Anthropology Department at Harvard University.
- 1996 –1997 Worked for Harvard University and National Geographic Society managing a long term research project on orangutans, *Pongo pygmaeus*, and co-managing the Cabang Panti Research Station, West Kalimantan, Indonesia.
- 1996 Participated in large-scale experimental physiology project on rates of fat oxidation during exercise in dogs at Harvard's Concord Field Station.
- 1996 Assisted with research on the vocal repertoire of rhesus macaques, *Macaca mulatta*, on Cayo Santiago, Puerto Rico.
- 1995 Carried out independent research on the vocal communication of chimpanzees for senior thesis at Lion Country Safari Park, FL and North Carolina Zoo, NC.
- 1994 Conducted fieldwork on the effects of human disturbance and habitat fragmentation on the nocturnal arboreal marsupial populations of Far North Queensland, Australia.

## AWARDS

- 2016 – 2017 University of Michigan Golden Apple Award Nominee
- 2013 – 2018 UC Davis Chancellor's Fellow
- 2012 UC Davis Provost's Hybrid Course Award, (with Tim Weaver): \$27,500
- 2009 – 2010 UC Davis Hellman Fellow, \$25,500
- 2003 – 2004 Cora Du Bois Dissertation Completion Fellowship
- 2002 – 2003 Elliot Dissertation Writing Fellowship
- 2000 J. William Fulbright Foreign Scholarship to Indonesia
- 2000 Frederick Sheldon Traveling Fellowship
- 1998 – 2002 Bok Center Awards for Distinction in Teaching
- 1996 Inducted into *Phi Beta Kappa*

- 1994 – 1996 John Harvard Scholarship  
1992 – 1996 National Merit Scholarship  
1992 U.S. Rowing Academic All-American

## RESEARCH & CONSERVATION GRANTS

- Leakey Foundation Research Grant. *The effects of climate change on primates, their habitat, and the food*, 2019-2020. With Andrew Bernard. \$11,171.
- National Science Foundation. *DDRIG: Aging, frailty, and foraging ability of wild male chimpanzees*, 2019-2020. Ben Finkel, \$17,811.
- Leakey Foundation Research Grant. *Aging Apes: Foraging Strategies of Old Chimpanzees at Ngogo*, 2018-2020. With Ben Finkel, \$14,195.
- National Geographic Society. 2017-2020. *Mitigating the impacts of unsustainable hunting on ecosystem services*. With Swapna Nelaballi. \$14,025.
- Association of Zoos and Aquariums Ape TAG Conservation Initiative Grant, *Preserving apes and building capacity using participatory monitoring of ape populations across complex ecological landscapes*, 2019. \$17,435.
- Disney Conservation Fund. *Collaborative conservation of endangered vertebrates*, 2018-2020. \$49,400.
- University of Michigan Office of Research, *Maintenance of long-term research in Indonesian Borneo*, 2018, \$10,000.
- Idea Wild, *Collaborative conservation of endangered vertebrates*, 2018, \$1,145 (in equipment).
- Association of Zoos and Aquariums Ape TAG Conservation Initiative Grant, *Preserving apes and building capacity using participatory monitoring of ape populations across complex ecological landscapes*, 2018. \$10,000.
- Victoria University, Wellington, New Zealand, *Mechanisms promoting co-existence in mega-diverse communities*, 2017. With Heiko U. Wittmer. \$45,675 NZD.
- Victoria University, Wellington, New Zealand, *Mechanisms promoting co-existence in mega-diverse communities*, 2016. With Heiko U. Wittmer. \$6,000 NZD.
- Victoria University, Wellington, New Zealand, *Mechanisms promoting co-existence in mega-diverse communities*, 2016. With Heiko U. Wittmer. \$12,550 NZD.
- Association of Zoos and Aquariums Ape TAG Conservation Initiative Grant, *Preserving apes and building capacity using participatory monitoring of ape populations across complex ecological landscapes*, 2014–2016. With Sarah M. Jaffe. \$30,000.
- UC Davis Small Grant in Aid of Research, *Effects of spatial and temporal variation in plant productivity on the population ecology of Bornean rainforest primates*, 2013. \$2,000.
- UC Davis Small Grant in Aid of Research, *Effects of spatial and temporal variation in plant productivity on the population ecology of Bornean rainforest primates*, 2012. \$2,000.
- Seneca Park Zoo. Grant for orangutan- gibbon field research and habitat conservation, 2012. \$750.
- Mohamed bin Zayed Species Conservation Fund, *Promoting gibbon conservation in Gunung Palung National Park, West Kalimantan through training and participatory monitoring activities with Indonesian university students and citizen scientists*, 2012. \$10,000.

- Victoria University, Wellington, New Zealand, *The importance of mast seeding for vertebrate community structure and dynamics*, 2012. With Heiko U. Wittmer. \$40,000 NZD.
- Victoria University, Wellington, New Zealand, *The importance of mast seeding for community dynamics*, 2011. With Heiko U. Wittmer. \$4,000 NZD.
- UC Davis Small Grant in Aid of Research, *Effects of spatial and temporal variation in plant productivity on the population ecology of Bornean rainforest primates*, 2011. \$2,000.
- Orangutan Conservancy Grant, *Ongoing research at Gunung Palung*, 2011. \$9,000.
- Leakey Foundation Research Grant, *Ongoing research at Gunung Palung*, 2011. \$6,000.
- UC Davis Small Grant in Aid of Research, *Effects of spatial and temporal variation in plant productivity on the population ecology of Bornean rainforest primates*, 2010. \$1,800.
- UC Davis New Research Initiatives. *From individuals to landscapes: testing fundamental hypotheses about the reproduction of Bornean rainforest plants across a complex tropical landscape*, 2009. \$12,000.
- Leakey Foundation Research Grant, *Causes and consequences of habitat quality variation for Bornean primates*, 2009. \$15,000.
- UC Davis Principal Investigator Bridge Program, *Continued research on the population ecology of Bornean rainforest primates*, 2008. \$12,000.
- UC Davis Small Grant in Aid of Research, *Continued research on the population ecology of Bornean rainforest primates*, 2008. \$2,000.
- Orangutan Conservancy, *Infrastructure completion of the Cabang Panti Research Station and re-establishment of research at Gunung Palung* (with C. Knott), 2007. \$10,000.
- UC Davis Small Grant in Aid of Research, *Effects of spatial and temporal variation in plant productivity on the population ecology of Bornean rainforest primates*, 2007. \$2,000.
- NSF Physical Anthropology Grant, *Factors affecting geographic variation in orangutan diets*. Vogel, Dominy, and Knott (AJM Senior Personnel, advisory role only), 2007. \$180,000.
- Orangutan Conservancy (with C. Knott), *Re-establishment of orangutan research at Gunung Palung*, 2006. \$5,000.
- Leakey Foundation Research Grant, *Population ecology of gibbons and leaf monkeys on Borneo*, 2000. \$11,986.

## PROFESSIONAL ACTIVITIES AND SERVICE

### *International and National Public Outreach*

- |      |                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2017 | Participant in UNESCO workshop on <i>Primatology, Bio-cultural Diversity and Sustainable Development in Tropical Forests</i> at UNESCO in Mexico City, Mexico |
| 2016 | Several interviews (popular news outlets, scientific press) regarding the reclassification of Bornean orangutans as Critically Endangered                     |
| 2016 | Field Course in Applied Tropical Ecology and Vertebrate Census Techniques, Gunung Palung National Park (two-week course, taught in Indonesian)                |
| 2015 | Field Course in Applied Tropical Ecology and Vertebrate Census Techniques, Gunung Palung National Park (ten day course, taught in Indonesian)                 |



- 2014 Interviewee for University of California Santa Cruz Science Communication Program article on primate sleeping site selection
- 2014 Consulting taxon expert for National Geographic Wild Network's "Ultimate Animals" program on orangutans
- 2013 Scientific consultant to National Geographic Society for National Geographic program on orangutans
- 2012 Scientific consultant to BBC Natural History Unit for two landmark series "Planet Primate" and "Monsoon"
- 2012 Wrote a featured piece for The Orangutan Conservancy's "From the Forest" series, entitled "From the forest: Reflections on the conservation value of research in Gunung Palung National Park, West Kalimantan, Indonesia"
- 2010 Wrote entries for World Book Encyclopedia on *Bushmeat* and *Orangutans*

### Professional Service

- 2013 – Member of Small Apes Section of IUCN Primate Specialist Group
- 2004 – Member of Great Ape Section of IUCN Primate Specialist Group
- 2004 – Member of Board of Directors, Gunung Palung Conservation Project
- 2020 External assessor for tenure review of candidate from a peer institution
- 2020 International Primate Society Ad Hoc Selection Committee for IPS 2020 Meeting grants
- 2019 External assessor for promotion review of candidate from a peer institution
- 2019 External assessor for tenure review of candidate from a peer institution
- 2017 External assessor for tenure review of candidates from two peer institutions
- 2016 Scientific Program Committee, American Association of Physical Anthropologists
- 2015 Lead assessor for conservation status of *Hylobates albibarbis* for IUCN Species Survival Commission Red List of Threatened Species; Contributor to assessment of *Presbytis rubicunda* and *Pongo pygmaeus*
- 2015 Scientific Program Committee, American Association of Physical Anthropologists
- 2012 – 2015 Scientific advisor to Philadelphia Zoo
- 2013, 2014 External reviewer for the Arcus Foundation's *State of the Apes* report
- 2014 Advisory Board, Assessment of conservation interventions for primates, University of Cambridge and Max Planck Institute for Evolutionary Anthropology
- 2014 Scientific Program Committee, American Association of Physical Anthropologists
- 2010 Participation in the IUCN Species Survival Commission Red List Assessments for Small Carnivore Specialist Group, Cat Specialist Group, and Otter Specialist Group
- 2008 – 2012 Scientific advisor to The Nature Conservancy, USAID's Orangutan Conservation Services Program, and Flora-Fauna International on issues of climate change, wildlife corridors, and Reduced Emissions from Deforestation and Degradation (REDD)

- 2007– 2012 Scientific advisor to the Orangutan Conservancy on issues related to orangutan reintroduction and survey methods.
- 2009 – 2010 Scientific Advisory Board for Association of Tropical Biology and Conservation's (ATBC) International Congress in Bali, Indonesia
- 2007 Assessed conservation status of Bornean orangutans for IUCN Species Survival Commission Red List of Threatened Species
- 2006 Conducted training course of Orangutan Protection and Monitoring Unit, Flora Fauna International, Sukadana, Indonesia
- 2006 Conducted week-long training course on mammal survey techniques to staff of Gunung Palung National Park Bureau, Ketapang, Indonesia
- 2004 – 2005 Member of Harvard University Herbaria committee tasked with reviewing proposals to revise the International Code for Botanical Nomenclature
- 2003 – 2004 Invited consultant to IUCN Conservation Breeding Specialist Group for two Orangutan Population and Habitat Viability Analysis Workshops in Singapore and Jakarta
- 2000 – 2007 Contributing member of Great Ape World Heritage Species Project, Inc., Harvard University
- 2000 – 2002 Training courses in ecological techniques given for forestry officials and community members in East Kalimantan, Indonesia
- 2001 – 2003 Presentations to central, regional, and local government and local communities in Indonesia in support of orangutan and forest conservation efforts in Western and Eastern Borneo
- 2000 – 2002 Instructor for field training courses for Indonesian colleague students and educational activities for Indonesian schoolchildren
- 2000 Co-wrote a congressional briefing that provided key scientific evidence supporting the passage of the 1999 Great Apes Conservation Act in United States Congress
- 1999 Invited participant in semester-long Senior Teaching Fellows Program at Bok Center for Teaching and Learning, Harvard University
- 1998 – 2003 Consultant to Bok Center for Teaching and Learning, Harvard University

#### *University Service at Michigan*

- 2018 – 2021 Member, Divisional Evaluation Committee (Tenure and Promotion Committee for Social Sciences in the School for Literature, Science, and the Arts)
- 2019 – 2021 Fellowships Committee, Department of Anthropology
- 2021 Third-Year Review Assessor, Department of Ecology and Evolutionary Biology
- 2021 Facilitator, Bio-Anthro Mentoring Working Group, Department of Anthropology
- 2020 Full Professor Promotion Committee, Anthropology Department
- 2020 Assistant Professor Launch Committee, Department of Anthropology
- 2020 International Institute Fellowships Review Committee
- 2020 Graduate Mentoring Workshop Leader

- 2019 Full Professor Promotion Committee, Anthropology Department
- 2018 Chair, Primatology Search Committee
- 2018 – 2019 Convener, Assistant Professor Launch Committee, Department of Sociology
- 2017 – 2019 Biological Anthropology Subfield Head, Anthropology Department
- 2017 – 2019 Executive Committee, Anthropology Department
- 2017 – 2018 Assistant Professor Launch Committee, Program in the Environment & Department of Ecology and Evolutionary Biology
- 2017 Full Professor Promotion Committee, Anthropology Department
- 2016 – 2017 Fellowships Committee, Anthropology Department
- 2016 Reviewer Collegiate Postdoctoral Fellowship
- 2016 Candidate file assessment and statistical support for Faculty Search Committee for Geobiologist/Terrestrial biogeochemist through the Program in the Environment and Earth and Environmental Sciences
- 2016 Lecturer Review Committee, Anthropology Department
- 2016 Website Committee, Anthropology Department
- 2016 Ad Hock Recruitment Committee, Program in the Environment
- 2016 Ad Hock Curriculum Reviewer, Program in the Environment
- 2015 Anthropology Department Assistant Professor Third-Year Review Committee

*University Service at UC Davis*

- 2012 – 2014 Chair, Conservation Ecology Area of Emphasis, Graduate Group in Ecology
- 2012 – 2014 Executive Committee Member, Animal Behavior Graduate Group
- 2012 – 2013 Department of Anthropology representative to College Representative Assembly
- 2012 – 2013 Member, Social Sciences Advisory Council
- 2012 Member, Search Committee, Primatologist, Department of Anthropology
- 2012 Presenter for UC Davis Professors for the Future Program
- 2011 – 2012 Library and Computer Committee, Department of Anthropology
- 2007 – 2012 Undergraduate Committee, Department of Anthropology
- 2011, 2012 Chair, Preliminary Exam Committee, Department of Anthropology
- 2010 – 2011 Chair, Undergraduate Committee, Department of Anthropology
- 2007 – 2012 Merton Love Award Committee, Graduate Group in Ecology
- 2007 – 2011 Ecology and Evolution Seminar Committee, Graduate Group in Ecology
- 2010 Invited participant to forum *Graduate education for conservation professionals* sponsored by John Muir Institute for the Environment
- 2009 – 2010 Museum Committee, Department of Anthropology
- 2009 – 2010 Preliminary Exam Committee Member, Department of Anthropology
- 2009 Undergraduate Program Review Committee, Department of Anthropology

### *Journals Refereed*

African Journal of Ecology	Frontiers in Forests and Global Change
American Journal of Physical Anthropology	International Journal of Primatology
American Journal of Primatology	Journal of Anatomy
Animal Behaviour	Journal of Animal Ecology
Animal Conservation	Journal of Human Evolution
Behavioral Ecology and Sociobiology	Journal of Tropical Ecology
Biological Conservation	Oecologia
Biological Journal of the Linnaean Society	Oryx
Biotropica	People and Nature
Conservation Biology	PLoS Biology
Conservation Letters	PLoS One
Conservation Science and Practice	Physiology & Behavior
Current Biology	Primates
Ecology (Ad hoc Editor & Reviewer)	Scientific Reports
Folia Primatologica	Wildlife Research
Forest Ecology and Management	

### *Grants Reviewed*

National Science Foundation, The British Ecological Society, The Leakey Foundation, Nacey Maggioncalda Foundation, National Geographic Society, Primate Conservation International, Sigma Delta Epsilon/Graduate Women in Science

### *Books Reviewed*

Arcus Foundation, Cambridge University Press, McGraw-Hill, Oxford University Press, Springer, University of Chicago Press

### *Memberships*

America Association of Physical Anthropologists, International Primatological Society, The Ecological Society of America, Society for Conservation Biology, Association for Tropical Biology and Conservation

## **COURSES TAUGHT**

### *Faculty, University of Michigan*

ANTHRBIO / ENVIRON / EEB 362:	Primate Evolutionary Ecology
ANTHRBIO / ENVIRON 461:	Primate Conservation Biology
ANTHRBIO / PSYCH 463 / ENVIRON 473:	Statistical modeling and data visualization in R
ANTHRBIO 570:	Biological Anthropology: Overview
ENVIRON 556:	Field Ecology (guest field instructor)

*Field Course in Applied Tropical Ecology and Vertebrate Census Techniques, Gunung Palung National Park (annual two week course taught in Indonesian).*

*Faculty, University of California at Davis*

ANT 001:	Human Evolutionary Biology
ANT 054:	Primatology (Guest lecturer)
ANT 154A:	Primate Socio-ecology
ANT 154B:	Primate Evolutionary Ecology
ANT 158:	The Biological and Evolutionary Bases of Sex Differences
ANT 202:	Graduate Seminar in History and Theory in Biological Anthropology
ANT 254:	Graduate Seminar in Primate Socio-ecology
ANT 256:	Graduate Seminar in Primate Conservation Biology
ECL 290:	Graduate Seminar in Foundations of Primatology
ECL 290:	Graduate Seminar on Ecology of Tropical Plants
ECL 298:	Graduate Seminar on Effective Professional Presentations (Guest speaker)
ESP 220:	Tropical Ecology (Guest lecturer)
SS 005:	Forest and Society (Guest lecturer)

*Instructor, Harvard University*

A97Y:	Biological Anthropology Tutorial
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## **GRADUATE ADVISEES**

Bernard, Andrew (Ph.D. in process, Anthropology, University of Michigan)  
Estrada, Gene (Ph.D. in process, Anthropology, University of Michigan)  
Finkel, Benjamin (Ph.D. in process, Anthropology, University of Michigan)  
Lucore, Jordan (Ph.D. in process, Anthropology, University of Michigan)  
Nelaballi, Swapna (Ph.D. in process, Anthropology, University of Michigan)  
Clink, Dena (Ph.D. 2017, Anthropology, UC Davis, co-advised with Margaret Crofoot)  
Beaudrot, Lydia (Ph.D. 2014, Ecology, UC Davis)  
Feilen, Katie (Ph.D. 2014, Anthropology, UC Davis)  
Dillis, Chris (M.Sc. 2014, Animal Behavior, UC Davis)  
Boyko, Ryan (M.Sc. 2009, Ecology, UC Davis; 2009 M.A. Anthropology, UC Davis)  
McLean Boyko, Corin (M. A. 2009, Anthropology, UC Davis)

## **LANGUAGES**

Native English speaker; fluent written and spoken Indonesian with experience in translation and formal presentation to Indonesian government; conversant Melayu and Malay; intermediate Spanish comprehension

## **CERTIFICATIONS**

PADI Open Water Scuba

Red Cross CPR and First Aid

Leiden University/Arnold Arboretum Intensive Workshop in Tropical Plant Identification

*Last updated: 24 February 2021*