

## STEIG ERIC JOHNSON, Ph.D.

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### RESEARCH INTERESTS

- Behavioural and community ecology of nonhuman primates
- Conservation biology and biogeography of Malagasy strepsirhines
- Functional diversity and ecosystem services in tropical rain forests
- Hybrid zones and evolutionary divergence

### EDUCATION

Aug 2002 Ph.D., Anthropology, University of Texas at Austin  
Dec 1995 M.A., Anthropology, University of Texas at Austin  
Dec 1990 B.A., Anthropology, University of California at Berkeley

### ACADEMIC & PROFESSIONAL POSITIONS

2012-Present **Associate Professor**, Dept. of Anthropology & Archaeology, University of Calgary  
2005-2012 **Assistant Professor**, Dept. of Anthropology, University of Calgary  
2004-2005 **Sessional Instructor**, Dept. of Anthropology, University of Calgary  
2003-2004 **Postdoctoral Research Associate**, Institute for the Conservation of Tropical Environments (ICTE), Stony Brook University

### SELECTED HONOURS/AWARDS

2015 **Peak Scholar in Entrepreneurship, Innovation, and Knowledge Engagement**, University of Calgary

### REFEREED PUBLICATIONS

Razafindratsima OH, Brown KA, Carvalho F, **Johnson SE**, Wright PC, Dunham AE. In press. Life on the edge: Impacts of habitat fragmentation on components of diversity and above-ground biomass in plant communities in a tropical rainforest. *Journal of Applied Ecology*. Accepted June 23, 2017.

Lei R, Frasier CL, Hawkins MTR, Engberg SE, Bailey CA, **Johnson SE**, McLain AT, Groves CP, Perry GH, Nash SD, Mittermeier RA, Louis EE. 2017. Phylogenomic reconstruction of sportive lemurs (genus *Lepilemur*) recovered from mitogenomes with inferences for Madagascar biogeography. *Journal of Heredity* 108:107-119.

Brown KA, Farris ZJ, Yesuf G, Rasambainarivo F, Karpanty S, Kelly M, Razafimahaimodison JC, Larney E, Wright PC, **Johnson SE**. 2016. Modeling co-occurrence between toxic prey and naïve predators in an incipient invasion. *Biodiversity and Conservation* 25:2723–2741.

Holmes SM, Gordon AD, Louis EE, **Johnson SE**. 2016. Fission-fusion dynamics in black-and-white ruffed lemurs may facilitate both feeding strategies and communal care of infants in a spatially and temporally variable environment. *Behavioral Ecology and Sociobiology* 70:1949-1960.

- Valenta K, Edwards M, Rafaliarison RR, **Johnson SE**, Holmes SM, Brown KA, Dominy NJ, Lehman SM, Parra EJ, Melin AD. 2016. Visual ecology of *Eulemur* suggests a cathemeral origin for the primate cone opsin polymorphism. *Functional Ecology* 30:932-942.
- Johnson SE**, Delmore KE, Brown KA, Wyman TM, Louis EE. 2016. Niche divergence in a brown lemur (*Eulemur* spp.) hybrid zone: Using ecological niche models to test models of stability. *International Journal of Primatology* 37:69-88.
- Gordon AD, **Johnson SE**, Louis EE. 2016. Environmental correlates of body mass in true lemurs (*Eulemur* spp.). *International Journal of Primatology* 37:89-108.
- Brown KA, Parks KE, Bethell CA, **Johnson SE**, Mulligan M. 2015. Predicting biodiversity patterns in Madagascar: Understanding the effects of climate and land cover change in a biodiversity hotspot. *PLOS ONE* 10:e0122721. doi: 10.1371/journal.pone.0122721.
- Baden AL, Holmes SM, **Johnson SE**, Louis EE, Bradley BJ. 2014. Species-level view of population structure and gene flow for a critically endangered primate (*Varecia variegata*). *Ecology and Evolution*. doi: 10.1002/ece3.1119.
- Schwitzer C, Mittermeier RA, **Johnson SE**, Donati G, Irwin M, Peacock H, Ratsimbazafy J, Razafindramanana J, Louis EE, Chikhi L, Colquhoun IC, Tinsman J, Dolch R, LaFleur M, Nash S, Patel E, Randrianambinina B, Rasolofoharivelo T, Wright PC. 2014. Averting lemur extinctions amid Madagascar's political crisis. *Science* 343:842-843.
- Ranaivoarisoa JF, Zaonarivelo JR, Lei R, **Johnson SE**, Wyman TM, Mittermeier RA, Louis EE. 2013. Rapid survey and assessment of the northern sportive lemur, *Lepilemur septentrionalis*, in northern Madagascar. *Primate Conservation* 27:23-31.
- Delmore KE, Brenneman RA, Lei R, Bailey CA, Brelsford A, Louis EE, **Johnson SE**. 2013. Clinal variation in a brown lemur (*Eulemur* spp.) hybrid zone: Combining morphological, genetic and climatic data to examine stability. *Journal of Evolutionary Biology* 26:1677-1690.
- Holmes SM, Baden AL, Brenneman RA, Engberg SE, Louis EE, **Johnson SE**. 2013. Patch size and isolation influence genetic patterns in black-and-white ruffed lemur (*Varecia variegata*) populations. *Conservation Genetics* 14:615-624.
- Gordon AD, **Johnson SE**, Louis EE. 2013. Females are the ecological sex: Sex-specific body mass ecogeography in wild sifaka populations (*Propithecus* spp.). *American Journal of Physical Anthropology* 151:77-87.
- Perry GH, Louis EE, Ratan A, Bedoya-Reina OC, Burhans R, Lei R, **Johnson SE**, Schuster SC, Miller W. 2013. Aye-aye population genomic analyses highlight an important center of endemism in northern Madagascar. *Proceedings of the National Academy of Sciences of the United States of America* 110:5823-5828.
- Brown KA, **Johnson SE**, Parks KE, Holmes SM, Ivoandry T, Abram NK, Delmore KE, Ludovic R, Andriamaharoa HE, Wyman TM, Wright PC. 2013. Use of provisioning ecosystem services drives loss of functional traits across land use intensification gradients in tropical forests in Madagascar. *Biological Conservation* 161:118-127.
- Ratsimbazafy JH, Arrigo-Nelson SJ, Dollar L, Holmes CM, Irwin MT, **Johnson SE**, Stevens NJ, Wright PC. 2013. Conservation of prosimians in Madagascar: A view from the Great Red Island. In: Masters JC, Gamba M, and Génin F, editors. *Leaping Ahead: Advances in Prosimian Biology*. New York: Springer. p 387-396.

- Brenneman RA, **Johnson SE**, Bailey CA, Ingraldi C, Delmore KE, Wyman TM, Andriamaharoa HE, Ralainasolo FB, Ratsimbazafy JH, Louis EE. 2012. Population genetics and abundance of the Endangered grey-headed lemur *Eulemur cinereiceps* in south-east Madagascar: Assessing risks for fragmented and continuous populations. *Oryx* 46:298-307.
- Wright PC, Erhart EM, Tecot S, Baden AL, Arrigo-Nelson SJ, Herrera J, Morelli TL, Blanco M, Deppe A, Atsalis S, **Johnson SE**, Ratelolahy F, Tan C, Zohdy S. 2012. Long-term lemur research at Centre Valbio, Ranomafana National Park, Madagascar. In: Kappeler PM, Watts DP, editors. Long-Term Field Studies of Primates. Berlin: Springer-Verlag. p 67-100.
- Brown KA, Flynn DFB, Abram NK, Ingram JC, **Johnson SE**, Wright PC. 2011. Assessing natural resource use by forest-reliant communities in Madagascar using functional diversity and functional redundancy metrics. *PLOS ONE* 6:e24107.
- Johnson SE**, Ingraldi C, Ralainasolo FB, Andriamaharoa HE, Ludovic R, Birkinshaw CR, Wright PC, Ratsimbazafy JH. 2011. Gray-headed lemur (*Eulemur cinereiceps*) abundance and forest structure dynamics at Manombo, Madagascar. *Biotropica* 43:371-379.
- Delmore KE, Louis EE, **Johnson SE**. 2011. Morphological characterization of a brown lemur hybrid zone (*Eulemur rufifrons* x *E. cinereiceps*). *American Journal of Physical Anthropology* 145:55-66.
- Viljanen H, Wirta H, Montreuil O, Rahagalala P, **Johnson SE**, Hanski I. 2010. The community of endemic forest dung beetles in Madagascar. *Journal of Tropical Ecology* 26:481-496.
- Tokinaiaina H, Bailey CA, Shore GD, Delmore KE, **Johnson SE**, Louis EE, Brenneman RA. 2009. Characterization of 18 microsatellite marker loci in the white-collared lemur (*Eulemur cinereiceps*). *Conservation Genetics* 10:1459-1462.
- Ramaromilanto B, Lei R, Engberg SE, **Johnson SE**, Sitzmann BD, Louis EE. 2009. Sportive lemur diversity at Mananara-Nord Biosphere Reserve, Madagascar. *Occasional Papers, Museum of Texas Tech University* 286:1-22.
- Johnson SE**, Lei R, Martin SK, Irwin MT, Louis EE. 2008. Does *Eulemur cinereiceps* exist? Preliminary evidence from genetics and ground surveys in southeastern Madagascar. *American Journal of Primatology* 70:372-385.
- Wright PC, **Johnson SE**, Irwin MT, Jacobs RL, Schlichting PE, Lehman S, Louis EE, Arrigo-Nelson SJ, Raharison J-L, Rafalirarison RR, Razafindratsita V, Ratsimbazafy J, Ratelolahy FJ, Dolch R, Tan C. 2008. The crisis of the critically endangered greater bamboo lemur (*Prolemur simus*). *Primate Conservation* 23:5-17.
- Johnson SE**. 2007. Evolutionary divergence in the brown lemur species complex. In: Gould L, Sauther ML, editors. *Lemurs: Ecology and Adaptation*. New York: Springer US. p 187-210.
- Johnson SE**, Gordon AD, Stumpf RM, Overdorff DJ, Wright PC. 2005. Morphological variation in populations of *Eulemur albocollaris* and *E. fulvus rufus*. *International Journal of Primatology* 26:1399-1416.
- Irwin MT, **Johnson SE**, Wright PC. 2005. The state of lemur conservation in south-eastern Madagascar: Population and habitat assessments for diurnal lemurs using surveys, satellite imagery and GIS. *Oryx* 39:204-218.
- Overdorff DJ, **Johnson SE**. 2004. *Eulemur*, true lemurs. In: Goodman SM, Benstead J, editors. *The Natural History of Madagascar*. Chicago: University of Chicago Press. p 1320-1324.

- Dalecky A, Kerdelhué C, **Johnson S**, Razafindratsita VR, Grassi C, Razafiarimalala AC, Overdorff D, Rasplus J-Y. 2004. Malagasy *Ficus* (Moraceae) and associated fauna. In: Goodman SM, and Benstead J, editors. The Natural History of Madagascar. Chicago: University of Chicago Press. p 322-334.
- Wyner YM, **Johnson SE**, Stumpf RM, DeSalle R. 2002. Genetic assessment of a white-collared X red-fronted lemur hybrid zone at Andringitra, Madagascar. *American Journal of Primatology* 57:51-66.
- Johnson SE**, Overdorff DJ. 1999. A census of brown lemurs (*Eulemur fulvus* spp.) in southeastern Madagascar: Methods-testing and conservation implications. *American Journal of Primatology* 47:51-60.
- Johnson SE**, Shapiro LJ. 1998. Positional behavior and vertebral morphology in atelines and cebines. *American Journal of Physical Anthropology* 105:333-354.

### RESEARCH GRANTS

- Jul 2017 **Calgary Zoological Society**, Leveraging biodiversity to restore fragile ecosystems: The integrated conservation and research program at Kianjavato-Vatovavy, Madagascar; with Madagascar Biodiversity Partnership and Calgary Zoo Centre for Conservation Research (\$100,000 CAD).
- Aug 2016 **Primate Action Fund**, Margot Marsh Biodiversity Foundation/Conservation International. Habitat influences on lemur diversity in Kianjavato-Vatovavy, Madagascar; with Pamela Narváez (\$2000 USD).
- Aug 2016 **Primate Action Fund**, Margot Marsh Biodiversity Foundation/Conservation International. Are *Varecia variegata* cathemeral at Kianjavato, Madagascar?; with Nicola Guthrie (\$2000 USD).
- Aug 2015 **Primate Action Fund**, Margot Marsh Biodiversity Foundation/Conservation International. Functional diversity of the lemur community at Ranomafana National Park, Madagascar; with Brianna Houston (\$3000 USD).
- Feb 2015 **Primate Action Fund**, Margot Marsh Biodiversity Foundation/Conservation International. Environmental Influences on Lemur Functional Diversity at Kianjavato-Vatovavy, Madagascar; with Cécile Jacquot (\$4000 USD).
- Jul 2014 **Primate Action Fund**, Margot Marsh Biodiversity Foundation/Conservation International. Influence of Landscape Features on the Distribution of the Aye-aye (*Daubentonia madagascariensis*) in Madagascar; with Megan Aylward (\$2500 USD).
- Jun 2014 **Primate Action Fund**, Margot Marsh Biodiversity Foundation/Conservation International. Ecology of Sympatric *Eulemur rufifrons*, *E. rubriventer*, and *Varecia variegata* in Kianjavato, Madagascar; with Sheila Holmes (\$3000 USD).
- Apr 2014 **Natural Science and Engineering Research Council (NSERC)**. Functional diversity in lemur communities (\$135,000 CAD).
- Jan 2014 **Primate Conservation, Inc.** Sharing a shrinking Habitat: a multi scale investigation of sympatry in three lemurs; with Sheila Holmes (\$2900 USD).
- Aug 2010 **Primate Conservation, Inc.** Habitat use & population genetics of *Varecia variegata editorum*; with Sheila Holmes (\$2400 USD).

- Aug 2010 **Primate Action Fund**, Margot Marsh Biodiversity Foundation/Conservation International. Habitat use and population genetics of *Varecia variegata editorum* in a fragmented landscape at Kianjavato, Madagascar; with Sheila Holmes (\$2500 USD).
- Mar 2010 **University Research Grants Committee Travel Grant**, University of Calgary. Presentation at International Primatological Society, Kyoto, Japan. (\$1800 CAD).
- May 2008 **Margot Marsh Biodiversity Foundation**. Conservation monitoring of the aye-aye, *Daubentonia madagascariensis*, at four sites in Madagascar; with Edward Louis, Gilbert Rakotoarisoa, and Alison Cameron (\$20,000 USD).
- May 2008 **Primate Action Fund**, Margot Marsh Biodiversity Foundation/Conservation International. Conservation implications of hybridization between two species of brown lemur (*Eulemur fulvus rufus* and *E. albocollaris*) at Andringitra, Madagascar; with Kira Delmore (\$4500 USD).
- Jan 2008 **Primate Conservation, Inc.** Conservation implications of hybridization between two species of brown lemur, *Eulemur fulvus rufus* and *E. albocollaris*; with Kira Delmore (\$2495 USD).
- Oct 2007 **Primate Action Fund**, Margot Marsh Biodiversity Foundation/Conservation International. Social structure and female foraging strategies in white-collared lemurs (*Eulemur albocollaris*) of southeastern Madagascar; with Annemarie Rued and Jonah Ratsimbazafy (\$2500 USD).
- Oct 2007 **Primate Action Fund**, Margot Marsh Biodiversity Fund/Conservation International. Edge effects on the white-collared lemur, *Eulemur albocollaris*, and seven sympatric lemur species in southeast Madagascar; with Christina Ingraldi (\$4000 USD).
- Aug 2007 **University Research Grants Committee Starter Grant**, University of Calgary. Population structure and ecology of a brown lemur (*Eulemur*) hybrid zone (\$14,637 CAD).
- May 2007 **Primate Conservation, Inc.** Forest Fragmentation and Edge Effects on Eight Sympatric Lemur Species in Southeastern Madagascar; with Christina Ingraldi (\$1000 USD).
- May 2007 **Primate Conservation, Inc.** A population density survey of the diurnal and cathemeral lemurs of Marojejy National Park, Madagascar; with Emily Sluzas, Erik Patel, and Abigail Derby (\$1360 USD).
- Mar 2006 **University Research Grants Committee Travel Grant**, University of Calgary. Presentation at International Primatological Society, Entebbe, Uganda. (\$1500 CAD).
- Dec 2003 **Primate Conservation, Inc.** Assessment of *Hapalemur aureus* and *H. simus* populations in the southern parcel of Ranomafana National Park, Madagascar. (\$1200 USD).
- Feb 2000 **National Science Foundation Dissertation Improvement Award**. Comparative ecology of brown lemurs (*Eulemur fulvus* spp.): Analysis of sympatric and allopatric populations in southeastern Madagascar. (\$5000 USD).
- Jan 2000 **Institute for International Education Fulbright Award**. Comparative ecology of brown lemurs and hybrids in southeastern Madagascar. (\$22,000 USD).

- Jan 1999 **Wenner-Gren Foundation for Anthropological Research.** Comparative ecology of two brown lemurs (*Eulemur fulvus* spp.): Analysis of isolated and hybrid populations in southeastern Madagascar. (\$15,000 USD).
- May 1997 **Primate Conservation, Inc.** A census of boundary zones of *Eulemur fulvus albocollaris* in southeastern Madagascar. (\$3000 USD).
- May 1996 **Tinker Foundation Research Travel Grant.** A survey of three species of capuchins in Colombia. (\$700 USD).
- May 1995 **Primate Conservation, Inc.** A survey of brown lemur populations in southeastern Madagascar. (\$5500 USD).
- May 1995 **International Education Fee Scholarship,** University of Texas. A survey of brown lemurs in southeastern Madagascar. (\$2500 USD).

### REFEREED CONFERENCE PAPERS AND PUBLISHED ABSTRACTS

- Aylward ML, **Johnson SE**, Perry GH, Louis EE. 2017. Y-chromosome population structure among four aye-aye populations in Madagascar. *American Journal of Physical Anthropology* 162 (S64):233-234.
- Guthrie NK, Holmes SM, Gordon AD, Louis EE, **Johnson SE**. 2017. A lack of cathemeral activity in *Varecia variegata* in Kianjavato, Madagascar. *American Journal of Physical Anthropology* 162 (S64):205-206.
- Aylward ML, Louis EE, Andriamisedra R, **Johnson SE**. 2015. Development of a remote genetic sampling technique for the aye-aye (*Daubentonia madagascariensis*) using zoo living individuals. *American Journal of Primatology* 77(S1):101-102.
- Razafindramanana J, **Johnson SE**. 2014. Natural and artificial hybrid zones in *Eulemur*. Presented at XXV Congress of the International Primatological Society, Hanoi, Vietnam, August 2014.
- Schwitzer C, Colquhoun IC, Donati G, **Johnson SE**. 2014. Current issues in the conservation of *Eulemur*. Presented at XXV Congress of the International Primatological Society, Hanoi, Vietnam, August 2014.
- Holmes SM, Gordon AD, Louis EE, **Johnson SE**. 2013. Predicting subgroup size in a lemur with high fission-fusion dynamics. *American Journal of Physical Anthropology* 150 (S56):151.
- Thompson K, Louis EE, Ratan A, Bedoy-Reina OC, Burhans R, Lei R, **Johnson SE**, Schuster SC, Miller W, Perry GH. 2013. Aye-aye population genomics: Signatures of natural selection. *American Journal of Physical Anthropology* 150 (S56):271.
- Gordon AD, **Johnson SE**, Louis EE. 2012. Ecological effects on sexual dimorphism: Sex-specific body mass response to climate variables in wild sifaka populations. *American Journal of Physical Anthropology* 147 (S54): 153-4.
- 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* 73 (Suppl. 1):59.
- Holmes SM, Wyman TM, **Johnson SE**. 2011. Microhabitat influences on habitat use by black-and-white ruffed lemurs (*Varecia variegata*) in a fragmented landscape at Kianjavato-Vatovavy, Madagascar. *American Journal of Primatology* 73 (Suppl. 1):89.

- Delmore KE, Louis EE, **Johnson SE**. 2010. Genetic characterization of a brown lemur hybrid zone (*Eulemur rufifrons* x *E. cinereiceps*). Presented at XXIII Congress of the International Primatological Society, Kyoto University, Kyoto, Japan, September 2010.
- Ingraldi C, Rued A, **Johnson SE**. 2010. The behavioral response to forest edge by gray-headed brown lemurs (*Eulemur cinereiceps*) in Agalazaha, southeast Madagascar. *American Journal of Primatology* 72 (Suppl. 1):60-61.
- Delmore KE, Louis EE, **Johnson SE**. 2009. Morphological characterization of a brown lemur hybrid zone (*Eulemur rufifrons* x *E. cinereiceps*) in southeastern Madagascar. *American Journal of Primatology* 71 (Suppl 1):43.
- Johnson SE**, Ingraldi C, Ralainasolo FB, Ratsimbazafy HJ. 2009. Habitat and population status of white-collared Lemurs (*Eulemur cinereiceps*) at Manombo, Madagascar: 10 years of recovery after Cyclone Gretelle. *American Journal of Physical Anthropology* 138 (S48):160.
- Martin SK, Randrianarimalalaso OV, **Johnson SE**. 2007. A preliminary analysis of parasite species and density patterns in white-collared lemurs, *Eulemur albocollaris* at Manombo Special Reserve and Mahabo Forest, and red-fronted brown lemurs, *Eulemur fulvus rufus* at Ranomafana National Park, Madagascar. *American Journal of Physical Anthropology* 132 (S44):165-166.
- Johnson SE**, Overdorff DJ. 2006. Variation in social structure, ranging, and intergroup interactions among red-fronted brown lemur (*Eulemur fulvus rufus*), white-collared lemur (*E. albocollaris*), and hybrid populations in southeastern Madagascar. *International Journal of Primatology* 27 (Suppl 1):552.
- Ratelolahy F, Dunham AE, **Johnson SE**, Wright PC. 2006. Geographic distribution, population densities and population viability analysis for *Propithecus edwardsi*. *International Journal of Primatology* 27 (Suppl 1):586.
- Ratelolahy F, **Johnson SE**, Wright PC. 2006. Distribution and patchiness of endangered lemurs in the Ranomafana Rainforest of Madagascar: the crisis of the greater bamboo lemur. *International Journal of Primatology* 27 (Suppl 1):501.
- Johnson SE**, Wright PC, Keitt TH, Kramer KL, Ratelolahy FJ, Ravalison, Holmes CH, Gordon W, Puyravaud J-P. 2005. Predictors of local variation in lemur abundance at Ranomafana National Park, Madagascar. *American Journal of Physical Anthropology* 126 (S40):122.
- Johnson SE**, Puyravaud J-P, Ratelolahy FJ, Ravalison, Wright PC, Keitt TH, Kramer KL, Holmes CM. 2004. Biodiversity and anthropogenic disturbance at Ranomafana National Park, Madagascar. Presented at Society for Conservation Biology (SCB) Annual Meeting, July-August 2004.
- Johnson SE**, Irwin MT, Wright PC, Arrigo-Nelson S, Grassi C, Samonds KE, Smith TM. 2003. Natural and anthropogenic influences on lemur population structure in southeastern Madagascar. *American Journal of Physical Anthropology* 120 (S36):123.
- Johnson SE**, Gordon AD, Stumpf RM. 2002. Sexual dimorphism and testicle size in white-collared lemurs (*E. albocollaris*). *American Journal of Physical Anthropology* 117 (S34):90.
- Johnson SE**, Overdorff DJ. 2002. Scarce season diet and keystone resources in three brown lemur (*Eulemur fulvus* spp.) populations. *American Journal of Primatology* 56:65-66.

- Irwin M, **Johnson SE**, Wright PC. 2001. Lemur conservation in southeastern Madagascar: Population assessments using surveys, satellite Imagery and G.I.S. Presented at SCB Annual Meeting, August 2001.
- Johnson SE**, Shapiro LJ. 1997. Positional behavior and vertebral morphology in atelines and cebines. *American Journal of Physical Anthropology* 104 (S24):137.
- Johnson SE**. 1996. A census of *Eulemur fulvus* in Madagascar: Methods-testing and conservation implications. *American Journal of Physical Anthropology Suppl.* 22:133.

### NON-REFEREED PUBLICATIONS

- Radimanana DV, Holmes SM, **Johnson SE**, Louis EE, Bakolimalala R. 2017. Relationship between vegetation characteristics and the presence of lemurs: *Varecia variegata*, *Eulemur rubriventer* and *Eulemur rufifrons* in Kianjavato forest fragments. *Lemur News* 20:15-19.
- Donati G, **Johnson SE**. 2016. New research directions in the genus *Eulemur*: Preface to the Special Issue. *International Journal of Primatology* 37:1-2.
- Holmes SM, Yaney-Keller AM, Rafidimanana DV, Andrianantenaina JM, Louis EE, **Johnson SE**. 2015. Lemur population surveys in the Kianjavato region. *Lemur News* 19:9-11.
- Andriamisedra RT, Aylward M, **Johnson SE**, Louis EE, Raharivololona BM. 2015. Détermination de quelques aspects de l'écologie de *Daubentonia madagascariensis* (Gmelin, 1788) dans deux forêts malgaches: la Réserve Spéciale de Manombo, Sud-est, et la Forêt de Beanka, Centre- ouest de Madagascar. *Lemur News* 19:44-50.
- Schwitzer C, Chikhi L, Donati G, Irwin M, **Johnson SE**, Mittermeier RA, Peacock H, Ratsimbazafy J, Razafindramanana J, E, Colquhoun IC, Tinsman J, Dolch R, LaFleur M, Nash S, Patel E, Randrianambinina B, Rasolofoharivelo T, Wright PC. 2014. Protecting lemurs – response. *Science* 344:358-360.
- Schwitzer C, Mittermeier RA, Davies N, **Johnson SE**, Ratsimbazafy J, Razafindramanana J, Louis EE, Rajaobelina S, editors. 2013. Lemurs of Madagascar: A Strategy for Their Conservation 2013–2016. Bristol, UK: IUCN SSC Primate Specialist Group, Bristol Conservation and Science Foundation, and Conservation International.
- Delmore KE, Keller MF, Louis EE, **Johnson SE**. 2009. Rapid primatological surveys of the Andringitra forest corridors: Direct observation of the greater bamboo lemur (*Prolemur simus*). *Lemur News* 14:49-52.
- Johnson SE**, Ratsimbazafy J, Stevens N, Andriamaharoa H, Martin S, Ralainasolo F. 2009. Gray-headed lemur *Eulemur cinereiceps* (Milne-Edwards and Grandidier, 1880). In: Mittermeier RA, Wallis J, Rylands AB, Ganzhorn JU, Oates JF, Williamson EA, Palacios E, Heymann EW, Kierulff MCM, Yongcheng L, Supriatna J, Roos C, Walker S, Cortés-Ortiz L, Schwitzer C, editors. *Primates in Peril: The World's 25 Most Endangered Primates 2008–2010*. Arlington, VA: IUCN/SSC Primate Specialist Group (PSG), International Primatological Society (IPS), and Conservation International (CI). p 15-17.
- Ganzhorn JU, **Johnson SE**. 2007. Greater bamboo lemur *Prolemur simus* (Gray, 1871). In: Mittermeier RA, Ratsimbazafy J, Rylands AB, Williamson L, Oates JF, Mborora D, Ganzhorn JU, Rodríguez-Luna E, Palacios E, Heymann EW, Kierulff MCM, Yongcheng L, Supriatna J, Roos C, Walker S, and Aguiar JM, editors. *Primates in peril: The world's 25 most endangered primates, 2006–2008*. p 4. *Primate Conservation* 22:1-40.



- Johnson SE, WR Konstant.** 2007. White-collared lemur *Eulemur albocollaris* (Rumpler, 1975). In: Mittermeier RA, Ratsimbazafy J, Rylands AB, Williamson L, Oates JF, Mbora D, Ganzhorn JU, Rodríguez-Luna E, Palacios E, Heymann EW, Kierulff MCM, Yongcheng L, Supriatna J, Roos C, Walker S, Aguiar JM, editors. Primates in peril: The world's 25 most endangered primates, 2006–2008. p 4-6. *Primate Conservation* 22:1-40.
- Konstant WR, **Johnson SE.** 2006. White-collared lemur *Eulemur albocollaris* (Rumpler, 1975). In: Mittermeier RA, Valladares-Pádua C, Rylands AB, Eudey AA, Butynski TM, Ganzhorn JU, Kormos R, Aguiar JM, Walker S, editors. Primates in peril: The world's 25 most endangered primates, 2004–2006. p 3-4. *Primate Conservation* 20:1-28.
- Konstant WR, Ganzhorn JU, **Johnson SE.** 2006. Greater bamboo lemur *Prolemur simus* (Gray, 1871). In: Mittermeier RA, Valladares-Pádua C, Rylands AB, Eudey AA, Butynski TM, Ganzhorn JU, Kormos R, Aguiar JM, Walker S, editors. Primates in peril: The world's 25 most endangered primates, 2004–2006. p 3. *Primate Conservation* 20:1-28.
- Johnson SE, Wyner YM.** 2000. Notes on the biogeography of *E. f. albocollaris*. *Lemur News* 5:25-28.
- Avallone M, **Johnson SE.** 1992. "Paternalistic" behavior in a langur colony. *Laboratory Primate Newsletter* 31:18.

#### INVITED LECTURES

- Mar 2016     **Department of Philosophy, University of Calgary**  
Lemur Population Dynamics: From Origins to Extinction  
Guest lecture for PHIL 667.12. Topics in Philosophy of Science (Issues in Historical Science)
- Feb 2016     **Department of Anthropology and Archaeology, University of Calgary**  
Lemur Extinctions  
Guest lecture for ANTH 505.10. Conference Course in Primatology (Primate Evolution)
- Nov 2014     **Department of Anthropology, University of Toronto**  
Lemurs in Space and Time: Environmental Influences on Populations, from Speciation to Potential Extinction
- Nov 2012     **Department of Anthropology, Rutgers University**  
The Lost Lemurs: Extinction in Madagascar.
- Jan 2006     **Division of Ecology, University of Calgary**  
Project MODEF: An Interdisciplinary Approach to the Dynamics of Deforestation in Ranomafana National Park, Madagascar.
- Jan 2005     **Department of Anthropology, University of Calgary**  
Lemur Ecology and Population Dynamics in Southeastern Madagascar.
- Nov 2004     **Departments of Anthropology and Archaeology Colloquium Series, University of Calgary**  
Project MODEF: An Interdisciplinary Approach to the Dynamics of Deforestation in Ranomafana National Park, Madagascar.
- Jul 2004     **Department of Anthropology, University of Calgary**  
Ecology and Speciation in Brown Lemurs in Southeastern Madagascar.

- Jun 2004 **Centre International de Formation pour la Valorisation de la Biodiversité**  
Project MODEF: Modeling Deforestation at Ranomafana.
- Feb 2004 **Department of Anthropology, Stony Brook University**  
Modeling Deforestation at Ranomafana.
- Apr 2003 **Department of Anthropology, Stony Brook University**  
Ecology and Speciation in Brown Lemurs: White-collared Lemurs (*Eulemur albocollaris*) and Hybrids (*Eulemur albocollaris* X *Eulemur fulvus rufus*) in Southeastern Madagascar.
- Mar 2002 **Department of Anthropology, Sonoma State University**  
Ecology and Speciation in the Brown Lemurs of Southeastern Madagascar.

### **GRADUATE STUDENT SUPERVISION**

- Narváez, Pamela, MA Thesis topic: Community-level population dynamics in rain forest lemurs. September 2015-Present
- Guthrie, Nicola, PhD Thesis topic: Ecological influences on activity patterns in black-and-white ruffed lemurs and greater bamboo lemurs. September 2015-Present.
- Houston, Brianna, MA Thesis topic: Functional diversity in lemur communities. Jan 2015-Present.
- Aylward, Megan, PhD Thesis topic: Aye-aye population genetics and phylogeography. Sep 2012-Present.
- Holmes, Sheila, PhD Thesis topic: Community effects on black-and-white ruffed lemur distribution in a fragmented landscape. Sep 2012-Present.
- Holmes, Sheila, MA Thesis: Habitat Use and Population Genetics of *Varecia variegata editorum* in a Fragmented Landscape. Graduated Jan 2012.
- Ingraldi, Christina, MA Thesis: Forest Fragmentation and Edge Effects on Eight Sympatric Lemur Species in Southeast Madagascar. Graduated Jun 2010.
- Delmore, Kira, MA Thesis: Maintenance of Stability in the Andringitra Brown Lemur Hybrid Zone. Graduated Sep 2009.
- Rued, Annemarie, MA Thesis: Social Structure and Female Foraging Strategies in White-Collared Lemurs (*Eulemur cinereiceps*). Graduated Sep 2009.

### **COURSES TAUGHT**

- Anthropology 201. Introduction to Primatology and Human Evolution
- Anthropology 311. Primate Behaviour
- Anthropology 413. Method in Primatology
- Anthropology 451. Topics in Primate Behavioural Ecology and Conservation
- Anthropology 571. Honours Seminar in Primatology
- Anthropology 613. Current Issues in Methodology in Primatology (graduate)

### **UNIVERSITY SERVICE**

- 2015-Present Graduate Program Committee, Department of Anthropology and Archaeology
- 2015-Present Graduate Scholarship Committee, Faculty of Graduate Studies

- 2014-2016 Coordinator, Internal Grant Review Committee, Department of Anthropology and Archaeology
- 2014-2015 Undergraduate Program Committee, Department of Anthropology and Archaeology
- 2010-2014 Curriculum and Academic Review Committee, Faculty of Arts
- 2009-2014 Curriculum Committee, Department of Anthropology
- 2011 Acting Director, Multidisciplinary Graduate Program in Biological Anthropology
- 2010-2011 Steering Committee, Interdisciplinary Wildlife Ecology Network
- 2009-2010 Executive Council, Faculty of Arts
- 2009-2010 Academic Performance and Review Committee, Faculty of Social Sciences
- 2005-2010 Ethics Review Panel, Faculty of Social Sciences
- 2006-2008 Experiential Learning Centre Committee, Faculty of Social Sciences
- 2007 Acting Director, Multidisciplinary Graduate Program in Biological Anthropology
- 2005 Graduate Studies Committee, Department of Anthropology

### **PROFESSIONAL SERVICE (EXTERNAL)**

- 2016-Present Vice-Chair for Madagascar, IUCN SSC Primate Specialist Group
- 2010-Present Member, Board of Advisors, Centre ValBio
- 2016-Present Member, Scientific Advisory Committee, Lemur Conservation Foundation
- 2014-Present Project Advisor, Lemur Conservation Network
- 2012-2016 Deputy Vice-Chair for Madagascar, IUCN SSC Primate Specialist Group
- 2005-Present Member, IUCN SSC Primate Specialist Group
- 2007-Present Adjunct Assistant Professor, Department of Anthropology, University of Victoria
- 2017-Present Editor, Lemur News
- 2016 Guest Co-Editor, International Journal of Primatology
- 2005-Present Reviewer, American Journal of Physical Anthropology, American Journal of Primatology, Behavioral Ecology and Sociobiology, Biotropica, BMC Evolutionary Biology, Cambridge University Press, Ecological and Environmental Anthropology, Endangered Species Research, Frontiers in Zoology, International Journal of Primatology, Landscape Ecology, Madagascar Conservation and Development, Mammalia, Molecular Ecology, Primate Conservation
- 2003-Present Grant reviewer, L.S.B. Leakey Foundation, National Geographic Society, NSF, NSERC, Primate Conservation Inc.
- 2007-2008 Member, Conservation Committee, International Primatological Society
- 2003-2004 Adjunct Assistant Professor, Department of Anthropology, Stony Brook University

### **FIELD RESEARCH EXPERIENCE**

- May-Jun 2017 Survey of primate community in Ivohibory South Forest. Conducted diurnal and nocturnal surveys to inventory lemur species.
- May-Jun 2016 Activity pattern in *Varecia variegata*. Monitored research on lemur behavioural ecology.

- Aug 2015 Lemur functional diversity at Ranomafana National Park, Madagascar. Monitored research program on lemur population and habitat surveys.
- Jun 2014 Ecology of sympatric *Eulemur rufifrons*, *E. rubriventer*, and *Varecia variegata*. Monitored research program at Kianjavato-Vatovavy Forests.
- Aug 2013 Habitat preference, diet, and ranging in black-and-white ruffed lemurs (*Varecia variegata*). Monitored research program at Kianjavato-Vatovavy Forests.
- May-Jul 2012 Habitat preference, diet, and ranging in black-and-white ruffed lemurs (*Varecia variegata*). Monitored research program at Kianjavato-Vatovavy Forests.
- May-Jun 2010 Habitat preference, ranging, and population genetics in black-and-white ruffed lemurs (*Varecia variegata*). Initiated graduate student research at Kianjavato-Vatovavy Forests.
- May-Jun 2008 Behavioural ecology of *Eulemur cinereiceps* and genetic structure of the brown lemur hybrid zone. Initiated graduate student behavioral research at Mahabo Forest and genetic and ecological sampling within the Andringitra brown lemur hybrid zone.
- May-Jun 2007 Behavioural ecology of *Eulemur cinereiceps*. Initiated graduate student behavioral ecology studies of white-collared lemur social groups at Mahabo and population surveys at Manombo Special Reserve.
- Jul-Aug 2006 Biogeography of *Eulemur cinereiceps*. Surveyed white-collared lemur populations in coastal and interior forests, including potential hybrid zone boundaries.
- 2003-2004 Edge and anthropogenic effects on biodiversity in Madagascar. Studied variation in animal populations and forest structure along disturbance gradients from forest edge to interior at Ranomafana National Park.
- Mar-Oct 2000 Ecology of brown lemurs in Madagascar. Studied the feeding ecology and social behavior of *Eulemur cinereiceps* at Vevembe.
- Feb-Sep 2000 Ecology of brown lemurs in Madagascar. Studied the feeding ecology and social behavior of hybrid *Eulemur rufifrons* X *Eulemur cinereiceps* at Andringitra.
- May-Jul 1997 Survey of white-collared lemurs in Madagascar. Studied *Eulemur cinereiceps* and hybrids in three sites at the geographic limits of the species' range.
- Jul-Aug 1996 Survey of primates in western Colombia. Conducted surveys of primate populations in selected reserves and unprotected forests.
- Jun-Aug 1995 Survey of brown lemurs in Madagascar. Surveyed brown lemur (*Eulemur cinereiceps* and *E. collaris*) populations and habitat conditions in four sites in southeastern Madagascar.
- Jun-Aug 1994 Platyrrhine positional behavior in Costa Rica. Conducted Master's field research project on positional behavior of four platyrrhine species (*Ateles geoffroyi*, *Alouatta palliata*, *Cebus capucinus*, and *Saimiri oerstedii*).