

# CURRICULUM VITAE

MAY, 2011

## ERIN R. VOGEL

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### **PROFESSIONAL APPOINTMENTS**

2011-present Assistant Professor, The Department of Anthropology, Rutgers University  
2009-present Research Scientist, Center for the Advanced Study of Hominid Paleobiology (CASHP), The George Washington University  
2006-2009 Lecturer, Department of Anthropology, University of California Santa Cruz  
2006-2009 Associate Researcher, Department of Anthropology, University of California Santa Cruz  
2005-2006 Postdoctoral Fellow, The Anthropological Institute and Museum, University of Zurich (under the guidance of Dr. Carel P. van Schaik)  
2004-2005 Postdoctoral Fellow, Department of Anthropology, University of California Santa Cruz (under the guidance of Dr. Nathaniel Dominy)

### **EDUCATION**

1998-2004 Ph.D. August 2004. Ecology and Evolution. Stony Brook University. Stony Brook, NY.  
Advisor: Charles H. Janson  
Committee: Ivan Chase, John Fleagle, Andreas Koenig, Carel van Schaik  
1991-1995 B.A. *Magna cum laude*. Biology with an Environmental Science Concentration. Colby College, Waterville ME

### **ANCILLARY EDUCATION**

1994 Rutgers University. New Brunswick, NJ. Visiting Student, Spring Semester  
1993 School for Field Studies, Sustainable Development Program, Costa Rica, Fall Semester

### **GRANTS AND FELLOWSHIPS**

2011-2013	The US Fish and Wildlife Great Ape Fund	\$49,000
2010-2011	The George Washington University Travel Award	\$925
2009-2010	University of California Santa Cruz Professional Development Grant	\$1,200
2008-2009	National Science Foundation Research Grant (PI) Research Experiences for Undergraduates (REU); Factors Affecting Geographic Variation in Orangutan Diet	\$3,470
2008-2009	Denver Zoological Foundation Research Grant (PI); Orangutan Conservation in Central Kailimantan	\$4,800
2007-2011	National Science Foundation Research Grant (PI) Factors Affecting Geographic Variation in Orangutan Diet	\$150,000
2007-2010	L.S.B. Leakey Foundation Research Grant (PI) Linking Feeding Ecology and Craniodental Morphology in Wild Orangutans:	\$20,700

	A Quantitative Approach	
2007	UCSC University Council-American Federation of Teachers	\$300
2005-2006	L.S.B. Leakey Foundation Research Grant (PI) Factors Affecting Geographic Variation in Orangutan Diet: an Ecocultural Investigation	\$15,000
2005	Denver Zoological Foundation Research Grant (PI) Factors Affecting Geographic Variation in Orangutan Diet	\$1,850
2001	National Science Foundation Dissertation Improvement Grant (CoPI) Ecological Basis of Agonistic Coalitions in Capuchin Monkeys	\$12,000
2001	Organization of Tropical Studies <i>Emily P. Foster Fellowship</i> (PI) The Ecological Basis of Aggression in White-faced Capuchin Monkeys	\$3,000
2000	L.S.B. Leakey Foundation Research Grant (CoPI) The Ecological Basis of Coalition Formation in White-faced Capuchin Monkeys in a Costa Rican Dry Forest	\$12,000
1999	Organization of Tropical Studies <i>Emily P. Foster Fellowship</i> (PI) The Ecological Basis of Aggression in White-faced Capuchin Monkeys	\$3,000
1999-2000	Graduate Assistance in Areas of National Need (GAANN) Fellowship	\$30,000
1999	Slobodkin Research Award: Stony Brook University (PI) The Ecological Basis of Coalition Formation in White-faced Capuchin Monkeys in a Costa Rican Dry Forest	\$500
1999	Sokal Travel Award, Stony Brook University (PI) The Ecological Basis of Coalition Formation in White-faced Capuchin Monkeys in a Costa Rican Dry Forest	\$500
1995	Webster Chester Biology Prize for Excellence in Undergraduate Research, Colby College	

**PUBLICATIONS (refereed) (\* DENOTES STUDENT CO-AUTHORS)**

**Vogel, E.R.**, Knott, C.D., Crowley, B.E., Blakely, M.D. \*, Larsen, M., Dominy, N.J. Bornean orangutans at the brink of protein bankruptcy. *In review*. Biology Letters.

**Vogel, E.R.**, Crowley, B.E., Knott, C.D., Blakely, M.D. \*, Larsen, M., Dominy, N.J. A method for measuring nitrogen balance in free ranging primates. *In press*. International Journal of Primatology

Lucas, P.W., Constantino, P.J., **Vogel, E.R.**, Chalk, J., Talebi, M., Wagner, M. Measuring the toughness of primate foods and its ecological value. *In press*. International Journal of Primatology.

Crowley, B.E. \*, Thorén, S., Rasoazanabary, E., **Vogel, E.R.**, Barrett, M.A., Zohdy, S., Blanco, M.B., McGoogan, K.C., Arrigo-Nelson, S.J., Irwin, M.T., Wright, P.C., Radespiel, U., Godfrey, L.R., Koch, P.L., and Dominy, N.J. *In press*. Geographic isotopic variation in mouse lemur (*Microcebus*) populations. Journal of Biogeography.

Wich, S., **Vogel, E.**, Larsen, M., Frederiksson, G., Leighton, M., Yeager, C., Brearley, F., van Schaik, C., Marshall, A. 2011. Forest fruit production is higher on Sumatra than on Borneo. PLoS ONE. 6(6): e21278.

**Vogel, E.R.** & Janson, C.H. 2011. Quantifying primate food abundance and distribution for socioecological studies: An objective consumer-centered method. International Journal of Primatology. 32: 737-752.

Bastian, M.L. \*, Zweifel, N. \*, **Vogel, E.R.**, Wich, S.A., van Schaik, C.P. 2010. Diet traditions in wild orangutans. American Journal of Physical Anthropology. 143(2): 175-187.

- Ganzhorn, J.U., Arrigo-Nelson, S., Boinski, S., Bollen, A., Carrai, V., Derby, A., Donati, G., Koenig, A., Kowalewski, M., Lahann, P., Norscia, I., Polowinsky, S.Y., Schwitzer, C., Stevenson, P.R., Talebi, M.G., Tan, C., **Vogel, E.R.**, Wright, P.C. 2009. Possible fruit protein effects on primate communities in Madagascar and the Neotropics. PLoS ONE. 4(12): e8253.
- Vogel, E.R.**, Haag, L. \*, Mitra-Setia, T., van Schaik, C.P. and Dominy, N.J. 2009. Foraging and ranging behavior during a fallback episode: *Hylobates albibarbis* and *Pongo pygmaeus wurmbii* compared. American Journal of Physical Anthropology. 140:716–726.
- Ross, C.F., Washington, R.L., Eckhardt, A., Reed, D.A., **Vogel, E.R.**, Dominy, N.J., Machanda, Z.P. 2009. Ecological consequences of scaling of chew cycle duration and daily feeding time in Primates. Journal of Human Evolution 56:570-585.
- Stamatopoulos, G., Sengupta, A. **Vogel, E. R.**, and C. H. Janson. 2009. A game-theoretic model of within-group coalition formation in non-human primates. Journal of Bioeconomics 11(2):165-183.
- Harrison, M.E. \*, **Vogel, E.R.**, Morrogh-Bernard, H.C., van Noordwijk, M.A. 2009. Methods for calculating dietary composition compared: A case study using orangutans. American Journal of Primatology 71:353–358.
- Dominy, N.J., **Vogel, E.R.**, Yeakel, J.D. \*, Constantino, P., Lucas, P.W. 2008. The mechanical properties of plant underground storage organs and implications for the adaptive radiation and resource partitioning of early hominins. Evolutionary Biology 35(3): 157-175.
- Taylor, A.B., **Vogel, E.R.**, & Dominy, N.J. 2008. Masticatory biomechanics and food mechanical properties in large-bodied hominoids. Journal of Human Evolution. 55(4): 604-616.
- Vogel E.R.**, van Woerden J.T., Lucas, P.W., Utami Atmoko, S.S., van Schaik C.P, & Dominy N.J. 2008. Functional ecology and evolution of hominoid molar enamel: *Pan troglodytes schweinfurthii* and *Pongo pygmaeus wurmbii*. Journal of Human Evolution 55(1): 60-74.
- Vogel, E.R.**, Neitz, M., and Dominy, N.J. 2007. Effect of color vision phenotype on fruit and energy intake rates of wild white-faced capuchins, *Cebus capucinus*. Behavioral Ecology.18(2): 292-297.
- Vogel, E.R.**, Munch, S.B., & Janson, C.H. 2007. Understanding escalated aggression over food resources in white-faced capuchin moneys. Animal Behaviour 74:71-80.
- Vogel, E.R.** and Janson. 2007. Predicting the frequency of food related agonism in white-faced capuchin monkeys (*Cebus capucinus*), Using a novel focal tree method. American Journal of Primatology 69(5):533-550.
- Vogel, E.R.** 2006. The Complete Capuchin: the Biology of the Genus Cebus, A Review (book review). Quarterly Review of Biology 81(4): 406-407.
- Vogel, E.R.** and Fuentes-Jiménez A\*. 2006. Rescue behavior in white-faced capuchin monkeys during an intergroup attack: support for the Infanticide Avoidance Hypothesis. American Journal of Primatology 68: 1012-1016.
- Talebi, M.G., Pope, T.R. **Vogel, E.R.**, Neitz, M, and N.J. Dominy. 2006. Polymorphism of visual pigment genes in the muriqui (Primates, Atelidae). Molecular Ecology 15(2): 551- 558.
- Vogel, E.R.** 2005. Rank differences in energy intake rates in white-faced capuchin monkeys (*Cebus capucinus*): the effects of contest competition. Behavioral Ecology and Sociobiology 58: 333-344.
- van Schaik, C.P., Pandit, S.A., **Vogel, E.R.** 2004. A model for within-group coalitionary aggression among males. Behavioral Ecology and Sociobiology 57:101-109.

- Rose, L.M., Perry, S., Panger, M., Jack, K., Manson, J., Gros-Louis, J., MacKinnon, K., and **Vogel, E.** 2003. Interspecific interactions between white-faced capuchins (*Cebus capucinus*) and other species: Preliminary Data from three Costa Rican sites. International Journal of Primatology 24(4):759-796.
- Panger, M., Perry, S., Rose, L.M, Gros-Louis, J., **Vogel, E.**, MacKinnon, K., Baker, M. 2002. Cross-site differences in foraging behavioral of white-faced capuchins (*Cebus capucinus*). American Journal of Physical Anthropology 119:52-66.
- Wilson, W.H. and **Vogel, E.R.** 1997. The foraging behavior of Semipalmated Sandpipers in the Upper Bay of Fundy: Stereotyped or prey sensitive? Condor 99:206-210.

### **BOOK CHAPTERS**

- Vogel, E.R.** and Dominy, N.J. 2010. Measuring ecological variables for primate field studies. In Campbell, C.J., Fuentes, A., MacKinnon, K.C., Panger, M., Bearder, S.K. (eds). Primates in Perspective, 2<sup>nd</sup> Edition. Oxford University Press. Pp. 367-377.
- van Schaik, C.P, van Noordwijk, M.A. **Vogel, E.R.** 2009. Ecological sex differences in wild orangutans. Wich, S.A., Utami Atmoko, S., Mitra Setia, T., van Schaik, C.P. (eds). Orangutans: Geographic Variation in in Behavioral Ecology and Conservation. Oxford University Press. pp. 256-268.
- Janson, C.H. and **Vogel, E.R.** 2006. Estimating the effects of hunger on primate social ecology. In Hohmann, G., Robbins, M., and Boesch, C. (eds). Feeding Ecology in Apes and Other Primates. Cambridge University Press. pp. 285-312.
- van Schaik, C.P., Pandit, S.A. & **Vogel, E.R.** 2006. Toward a general model for male-male coalitions in primate groups. In Kappeler, P.M. & van Schaik (eds) Cooperation in primates: comparative perspectives. Springer Verlag: Heidelberg. pp 151-171.

### **MANUSCRIPTS IN ACTIVE PREPARATION (\* DENOTES STUDENT CO-AUTHORS)**

- Vogel, E.R.**, Janson, C.H., Nunn, C., and van Schaik, C.P. Digestive efficiency, ecological power, and the structure of arboreal primate communities. (To be submitted to *Proceedings of the National Academy of Sciences*)
- Vogel, E.R.**, Zulfa, A. \*, Taylor, A.B., Wich, S.A., van Schaik, C.P. and Dominy, N.J. Understanding the relationship between diet and craniodental morphology in wild orangutans. (To be submitted to *American Journal of Physical Anthropology*)

### **TEACHING EXPERIENCE**

*The George Washington University (2009-present)*

- Paleoanthropology (Spring 2010)
- Primate Conservation Biology (Spring 2011)

*The University of California Santa Cruz (2005-2009)*

- Introduction to Quantitative Methods: Statistics (2 quarters)
- Graduate Seminar in Applied Statistics (2 quarters)
- Primate Behavior and Ecology (2 quarters)
- Introduction to Human Evolution
- Human Ecology

*The State University of New York Stony Brook (2002-2004)*

- Behavioral Ecology (2 semesters)

- Behavioral Ecology Laboratory
- The Living World: Introduction to Biology (4 semesters)
- The Living World: Laboratory Coordinator
- New World Primates
- Social World of Humans and Animals
- Fundamentals of Biology: Molecular and Cellular Biology
- Primate Ecology. La Suerte Biological Station, Costa Rica

*Colby College (1994-1995)*

- Ecological Theory
- Introduction to Ecology

**HONORS**

2005	L'ORÉAL-U.S. Based UNESCO for Women in Science Award-Honorable Mention
2004	Outstanding Teaching Award, Stony Brook University
2000	Best Student Presentation, Ecology and Evolution Seminar, Stony Brook University
1998	National Science Foundation Graduate Fellowship Award-Honorable Mention
1995	Phi Beta Kappa, Colby College
1991 – 1995	Dean's List, Colby College

**INVITED PRESENTATIONS AT DEPARTMENTAL SEMINARS AND MEETINGS**

- Vogel, E.R.** 2011. Does Dietary Ecology Influence Craniodental Morphology in Apes? Smithsonian National Museum of Natural History, Paleoanthropology Seminar Series.
- Vogel, E.R.** 2010. Integrative primate dietary ecology: behavioral, morphological, and physiological adaptations. The Department of Anthropology, Rutgers University.
- Vogel, E.R.** 2010. What urine can tell us about protein balance in wild primates. Innovative Techniques in Dietary Ecology Workshop. The George Washington University.
- Vogel, E.R.** 2010. Integrative and comparative primate dietary ecology. The Department of Anthropology, The University of Arizona.
- Vogel, E.R.** 2010. Integrative and comparative primate dietary ecology. The Department of Human Evolutionary Biology, Harvard University.
- Vogel, E.R.** 2009. Foraging and ranging behavior during a fallback episode: *Hylobates albibarbis* and *Pongo pygmaeus wurmbii* compared. The New York Consortium in Evolutionary Primatology.
- Vogel, E.R.** 2009. Diet optimization and biological traditions in wild orangutans. The Center for the Advanced Study of Hominid Paleobiology. The George Washington University.
- Vogel, E.R.** 2009. Behavioral strategies of wild sympatric orangutans (*Pongo pygmaeus wurmbii*) and white-bearded gibbons (*Hylobates albibarbis*) during a period of fruit scarcity. University of California Berkeley, CA.
- Vogel, E.R.** 2008. Understanding variation in foraging strategies in wild populations of sympatric orangutans & white bearded gibbons during a period of food scarcity. Quantitative Biology Seminar, UC Santa Cruz.
- Vogel E.R.**, van Woerden J.T., Lucas, P.W., Utami Atmoko, S.S., van Schaik C.P, & Dominy N.J. 2007. Functional ecology and evolution of hominoid molar enamel: *Pan troglodytes schweinfurthii* and *Pongo pygmaeus wurmbii*. 8th International Congress of Vertebrate Morphology. Paris, France.

- Vogel, E.R.** 2007. Factors affecting variation of foraging decisions in wild populations of sympatric orangutans & white bearded gibbons. Southern California Research Forum. San Diego, California.
- Vogel, E.R.** 2007. The ecological basis of aggression in white-faced capuchin monkeys. San Jose State University. San Jose, CA.
- Vogel, E.R.** 2007. Understanding variation in orangutan feeding ecology. The Indonesia Institute of Science (LIPI), Bogor, Indonesia.
- Vogel, E.R.** 2007. Linking variation in feeding ecology and craniodental morphology in great apes. The Anthropological Institute and Museum, University of Zurich, Switzerland.
- Vogel, E.R.** 2007. Linking variation in feeding ecology and craniodental morphology in great apes. Max Plank Institute for Evolutionary Anthropology, Department of Primatology. Leipzig, Germany.
- Vogel, E.R.** 2007. The ecological basis of aggression in white-faced capuchin monkeys. The Anthropological Institute and Museum, University of Zurich, Switzerland.
- Vogel, E.R.** 2006. Linking variation in feeding ecology and craniodental morphology in great apes. The Department of Anthropology, University of Texas – Austin.
- Vogel, E.R.** 2006. Food: from aggression to culture. The Department of Anthropology, University of California – Davis.
- Vogel, E.R.** 2006. The ecological basis of aggression in white-faced capuchin monkeys. The Animal Behavior Group Seminar Series, University of California – Davis.
- Vogel, E.R.** 2005. Energy, fruit, and aggression: understanding contest competition in capuchins. The 3<sup>rd</sup> Annual UC Santa Cruz-Stanford Species Interaction Workshop.
- Vogel, E.R.** 2004. The Ecological basis of aggression in white-faced capuchin monkeys (*Cebus capucinus*). The University of Chicago. Animal Behavior Seminar Series.
- Vogel, E.R.** 2004. Understanding food related aggression in white-faced capuchin monkeys, *Cebus capucinus*. Department of Anthropology Seminar Series, Yale University.

**PUBLISHED ABSTRACTS AND ORAL PRESENTATIONS AT MEETINGS (\* STUDENT CO-AUTHORS INDICATED BY ASTERICK)**

- Vogel, E.R.**, Hardus, M.E. \*, Zulfa, A. \*, Wich, S.A., Taylor, A.B., van Schaik, C.P., Dominy, N.J. 2011. Linking feeding ecology and jaw form in two species of wild orangutans. American Journal of Physical Anthropology Suppl 52: 89 American Association of Physical Anthropologists Annual Meeting.
- Zulfa, A. \*, Mitrasetia, T. Utami Atmoko, S.S. & **Vogel, E.R.** 2010. Dietary Preference and Nutrition in Orangutans at the Tuanan Field Station. Symposium Association for Tropical Biology and Conservation (ATBC) V-58-11, p. 173. (Oral)
- Vogel, E.R.**, van Noordwijk, M.A., Dominy, N.J., Baritell, K.V. \*, Meididit, A. \*, van Schaik, C.P. 2010. Behavioral, physiological and morphological adaptations to periods of fruit scarcity in wild Bornean orangutans (*Pongo pygmaeus wurmbii*). International Primatological Society Meeting, Kyoto Japan.
- Cunningham A.J. \*, **Vogel E.R.**, Zulfa A. \*, Rothman J.M., Conklin-Brittain N.L., Glander K.E., Wich S.A., Perry G.H., Dominy N.J. 2010. Diet and the parallel evolution of increased salivary amylase expression in primates. American Journal of Physical Anthropology Suppl 50: 89 American Association of Physical Anthropologists Annual Meeting.
- Vogel E.R.**, van Noordwijk M.A., Dominy N.J., Meididit, A. \*, van Schaik C.P. 2010. How wild Bornean orangutans (*Pongo pygmaeus wurmbii*) cope with fruit scarcity: behavioral, physiological, and morphological adaptations. American Journal of Physical Anthropology Suppl 50: 236. American Association of Physical Anthropologists Annual Meeting.

- Vogel E.R.**, Janson C.H., and van Schaik C.P. 2009. Digestive efficiency and its effects on primate biomass across continents. *American Journal of Physical Anthropology* 48:263. American Association of Physical Anthropologists Annual Meeting.
- Crowley B.E. \*, Knott C.D., Haryati, S. \*, Zulfa, A. \*, Blakely M.E. \*, **Vogel E.R.** 2009. What urine can tell us about nitrogen balance in wild primates. *American Journal of Physical Anthropology* 48:112. American Association of Physical Anthropologists Annual Meeting.
- van Schaik C.P., Dunkel L. \*, **Vogel E.**, Isler K. 2009. Energy inputs, not skill learning, determine age at maturity in orangutans and other primates. *American Journal of Physical Anthropology* 48:260. American Association of Physical Anthropologists Annual Meeting.
- Vogel E.R.**, Crowley B.C. \*, Knott C.K., and Dominy N.J. 2008. Protein conservation in wild primates: measuring variation in energy utilization in the field. 22<sup>nd</sup> International Society of Primatology, Edinburgh, Scotland.
- Bastian M.L. \*, Zweifel N. \*, **Vogel E.R.**, Wich S.A., van Schaik C.P. 2008. Geographic variation in wild orangutan diet: evidence for social learning. *American Journal of Physical Anthropology*:64-65. American Association of Physical Anthropologists Annual Meeting
- Dominy N.J., **Vogel E.R.**, Haag L. \*, van Schaik C.P., Parker G.G. 2008. Fallback or fall forward: food dispersion, canopy complexity, and the foraging adaptations of apes in Southeast Asia. *American Journal of Physical Anthropology*: 91-92. American Association of Physical Anthropologists Annual Meeting
- Vogel E.R.**, van Woerden J.T. \*, Lucas, P.W., Utami Atmoko, S.S., van Schaik C.P, & Dominy N.J. 2007. Functional ecology and evolution of hominoid molar enamel: *Pan troglodytes schweinfurthii* and *Pongo pygmeus wurmbii*. *American Journal of Physical Anthropology*. (S44): American Association of Physical Anthropologists Annual Meeting.
- Dominy N.J., **Vogel E.R.**, Yeakel J.D. \*, Van Woerden J.T. \*, Lucas P.W., Van Schaik C.P. 2007. Mechanical properties of hominoid foods: Plant underground storage organs and the adaptive significance of molar enamel thickness. *Journal of Morphology* 268:1068-1068
- Dominy N.,J., **Vogel E.R.**, Yeakel J.D. \*, van Woerden J.T. \*, Lucas P.W., van Schaik C.P. 2007. Mechanical properties of hominoid foods: II. Plant underground storage organs and the adaptive significance of molar enamel thickness. *American Journal of Physical Anthropology*. (S44). Pgs: 101. American Association of Physical Anthropologists Annual Meeting.
- Vogel, E.R.**, Dominy, N.J. & Netiz. 2006. Alternative foraging strategies and the visual system polymorphism of New World monkeys. *International Journal of Primatology* 27: 473. The 21<sup>st</sup> International Primatological Society Meeting, Uganda.
- Vogel, E.R.** 2005. Ecological and social correlates of coalition formation in white-faced capuchin monkeys, *Cebus capucinus*: Why escalate? *American Journal of Physical Anthropology*. (S40):215. American Association of Physical Anthropologists Annual Meeting.
- Vogel, E. R.**, D. Sen, A. Sengupta, G. Stamatopoulos, and C. H. Janson. 2004. A game-theoretical model of within-group coalition formation in non-human primates. *Folia Primatol* 75: 348-349. The 20<sup>th</sup> International Primatology Society Meeting. Torino, Italy. (Talk given by C. Janson).
- Janson, C.H. and **Vogel, E.R.** 2004. Estimating the effects of gut constraints on primate social ecology. *Feeding Ecology in Apes and Other Primates*. Leipzig, Germany.
- Vogel, E.R.** and Janson, C.H. 2004. Rank differences in food consumption in white-faced capuchin monkeys, *Cebus capucinus* in a Costa Rican dry forest. *Animal Behavior Society Annual Meeting*, Oaxaca, Mexico.
- van Schaik, C.P., Pandit, S., & **Vogel, E.R.** 2003. Toward a general model for within-group coalitions among male primates. *Cooperation in primates and humans: Mechanisms and Evolution*. Göttingen, Germany.

- Vogel, E.R.** and Janson, C.H. 2003. The Role of Food Patches in Primate Socio-ecology: A monkey's eye view. *American Journal of Primatology*. (S60): 43-44. American Society of Primatologists 2003 Annual Meeting.
- Vogel, E.R.** 2003. The effect of ecology on aggressive interactions in White-faced capuchin monkeys, *Cebus capucinus*, in a Costa Rican dry forest. *American Journal of Physical Anthropology*. 102 (S36):217. American Association of Physical Anthropologists Annual Meeting.
- Vogel, E.R.** 2002. Madagascar-Eden in flames: A report on the Ranamofana Reforestation Project. American Association of Zoological Horticulture and Association of American Zoo Keepers Joint 2002 National Conference. Kansas City, MO.
- Vogel, E.R.** 2002. Understanding capuchin foraging: a game theoretical approach. SUNY at Stony Brook Ecology and Evolution Seminar Series.
- Vogel, E.R.** 1995. Observations of winter social behavior of Black-capped Chickadees at two sites in the Colby-Perkins Arboretum. Colby College Conference on Undergraduate Research.
- Vogel, E.R.** 1993. The foraging behavior of Semipalmated Sandpipers in the Upper Bay of Fundy: Stereotyped or prey sensitive? Colby-Bates-Bowdoin Conference on Undergraduate Research in Biology.

#### **POSTER PRESENTATIONS AT MEETINGS (\*STUDENT CO-AUTHORS INDICATED BY ASTERICK)**

- Zulfa, A. \*, Utami Atmoko, S.S. Vogel, E.R. & Farida, W.R. 2010. Pengaruh Kandungan Nutrisi Makanan Terhadap Pemilihan Makanan pada Orang utan Sumatera. Simposium Perhimpunan Ahli dan Pemerhati Primata Indonesia (PERHAPI) P-07, p. 25.
- Loyola L.C. \*, **Vogel E.R.**, Zulfa A. \*, Delgado R. 2010. The physical properties of Northeast Bornean orangutan plant foods. *American Journal of Physical Anthropology Suppl 50*: 158. American Association of Physical Anthropologists Annual Meeting.
- Cunningham A.J. \*, **Vogel E.R.**, Zulfa A. \*, Rothman J.M., Conklin-Brittain N.L., Glander K.E., Wich S.A., Perry G.H., Dominy N.J. 2010. Diet and the parallel evolution of increased salivary amylase expression in primates. *American Journal of Physical Anthropology Suppl 50*: 89 American Association of Physical Anthropologists Annual Meeting.
- Baritell K.V. \*, van Schaik C.P. and **Vogel E.R.** 2009. Foraging efficiency in wild orangutans (*Pongo pygmaeus wurmbii*) at the Tuanan field station in Central Kalimantan, Indonesia. *American Journal of Physical Anthropology 48*: 82-83. American Association of Physical Anthropologists Annual Meeting.
- Vogel E.R.**, Haag L. \*, Wich S.A., Bastian M.L. \*, van Schaik C.P. 2008 Factors affecting foraging decisions in a wild population of sympatric orangutans (*Pongo pygmaeus wurmbii*) and white-bearded gibbons (*Hylobates albibarbis*): evidence of cognitive maps. *American Journal of Physical Anthropology*:215-215. American Association of Physical Anthropologists Annual Meeting
- van Woerden J.T. \*, **Vogel E.R.**, van Schaik C.P., Wich S.A., van Noordwijk M.A. 2007. A preliminary analysis of associations and time budgets in wild orangutan females in the period preceding and following birth. *American Journal of Physical Anthropology*. (S44). Pgs: 236-237.
- Vogel, E.R.** and Janson, C.H. 2004. The ecological basis of food related aggression and rank differences in food consumption in two species of wild capuchin monkeys, *Cebus capucinus* and *Cebus apella*. *Feeding Ecology in Apes and Other Primates*, Leipzig Germany.
- Vogel, E.R.** 2003. The effect of ecology on aggressive interactions in White-faced capuchin monkeys, *Cebus capucinus*, in a Costa Rican dry forest. The 40<sup>th</sup> Anniversary Symposium for the Organization of Tropical Studies.

#### **RESEARCH EXPERIENCE / FIELDWORK**



- 2008-present Understanding protein balance in wild primates (PI). Involves diacetylmonoxime and Jaffe reactions to measure urea:creatinine concentrations and the use of mass spectrometer for  $\delta^{15}\text{N}$  and bulk N analyses.
- 2006-present Linking Feeding Ecology and Craniodental Morphology in Wild Orangutans (PI). Collected food mechanical properties data using a Portable Universal Field tester and trained Indonesian and foreign graduate students during a short course in Sumatra.
- 2005-present Factors affecting geographic variation in orangutan diets. Post-doctoral Fellow supported by a Adolph Schultz Foundation Grant to Dr. Carel P. van Schaik (University of Zurich) and a National Science Foundation Research Grant to Erin R. Vogel (PI) in collaboration with Dr. Nathaniel Dominy (University of California Santa Cruz).
- 2004-2005 The functional significance of the M/L cone opsin polymorphism in New World Primates. Post-doctoral Fellow. University of California Santa Cruz. (PI), in collaboration with Dr. Nathaniel Dominy.
- 1999 – 2004 The ecological basis of aggression in White-faced capuchin monkeys, *Cebus capucinus*, in a Costa Rican dry forest. Stony Brook University. (PI), dissertation research under Dr. Charles H. Janson.
- 1998-1999 Paternity analysis of *Cebus capucinus* and *Cebus apella* using micro-satellite regions of genome DNA. Stony Brook University. Assisted Dr. Patricia Escobar-Paramo.
- 1994-1995 Observations of winter social behavior of Black-capped Chickadees at two sites in the Colby Perkins Arboretum. Senior Thesis Project. (PI) in collaboration with Dr. Herbert Wilson.
- 1994 Metabolic Responses of *Mus musculus* to three different temperatures. Senior project in collaboration with Dr. Kevin S. Smith.
- 1993 The effect of prey density on the foraging behavior of Semipalmated Sandpipers in the Upper Bay of Fundy. In collaboration with Dr. W.H. Wilson.
- 1993 The difference in bird species diversity in three sites of different vertical stratification with implications of habitat management. Atenas, Costa Rica. Independent Research Project. (PI)
- 1993: The effect of altitude on small rodent burrows at three sites in the Mojave Desert, CA. Colby College. In collaboration with Dr. David Firmage.

#### **OTHER PROFESSIONAL EXPERIENCE**

- 2010-2011 Co-editor of special volume for International Journal of Primatology titled “Innovative methods in dietary ecology”.
- 2006-present Board of Advisors, The Pongo Foundation
- 2002-2004 President, The Behavioral Ecology Student Group, SUNY Stony Brook
- 2000-2004 Director of Costa Rica Programs, Planting for a Future Reforestation, For Aiza Biby
- 2002-present Board of Trustees, For Aiza Biby
- 1996-1997 Research Assistant at Ecolodge San Luis and Biological Station, Costa Rica
- 1995 Research Assistant for the Dian Fossey Gorilla Fund, New Brunswick, NJ
- 1995 Summer Internship at Big Sur Ornithology Lab, Big Sur, CA
- 1992-1995 Research Assistant for Dr. W.H. Wilson at Colby College

#### **DEPARTMENTAL SERVICE**

- 2010 Co-organizer of CASHP workshop “Innovative Techniques in Dietary Ecology”, sponsored by NSF-IGERT
- 2009, 2010 Organizer of CASHP Journal Club Meetings
- 2003 Laboratory Curriculum Development, The Living World, an Introduction to Biology, SUNY Stony Brook
- 2003 Co-organizer Behavioral Ecology Group Speaker Series, SUNY Stony Brook

### **PROFESSIONAL SERVICES**

Board Member Representative for Stony Brook University in 2003, the Organization for Tropical Studies Symposium Organizer for International Primatological Society XXII Congress, 2008, "Emerging Methods in Field Primatology: Ecology, Behavior, and Function".

Reviewer: American Journal of Primatology; Animal Cognition; Biotropica; Behavioral Ecology and Sociobiology; Biological Journal of the Linnean Society; Ethology; Comparative Biochemistry and Physiology; Evolutionary Anthropology; National Geographic Society Committee for Research and Exploration; National Science Foundation; Natural Sciences and Engineering Research Council of Canada (NSERC); Oecologia; Primates; Proceedings of the Royal Society B; Quarterly Review of Biology.

Mentoring: Katherine Markham (The George Washington University); Tremain P. Jones, Jennifer Rovenpera, Kaitlin Rikeman, Andrew Cunningham, Katherine Baritell, Matthew Hernandez (University of California – Santa Cruz); Janneka van Woerden, Fleur Sheele, and Anne van der Sluis (Masters Thesis Advisor, University of Utrecht); Astri Zulfa, Sri Haryati (Universitas Nasional-Jakarta).

### **PROFESSIONAL SOCIETIES**

American Association of University Woman, Animal Behavior Society, American Society of Primatologists, American Association of Physical Anthropologists, International Society of Primatology.

### **PRESS COVERAGE**

- Raw Nature. Aired on Animal Planet.
- University of California Santa Cruz *News and Events* “Anthropologist Erin Vogel featured on *Animal Planet* May 6”. April 23, 2008
- Bornean Orangutan Survival Foundation Newsletter “Erin Vogel: Tracking the Forest People”, June 2008.
- Colby College Alumni Magazine: “Tracking the Forest People”, Winter 2008.
- Interview with BBC Radio 4: “The Only Great Ape in Asia”. October 22, 2007; [http://www.bbc.co.uk/radio4/science/nature\\_20071022.shtml](http://www.bbc.co.uk/radio4/science/nature_20071022.shtml)
- University of California Santa Cruz *News and Events* “Researcher tracks orangutans for clues to feeding behavior. April 2006.

### **COMPUTER SKILLS**

Statistics: R (Generalized Linear Mixed Models), SPSS, SAS, JMP

Database: Microsoft Access

GIS: ArcGIS

**LANGUAGE SKILLS**

ENGLISH	First Language
SPANISH	Proficient in reading and writing; fluent in speaking
INDONESIAN	Proficient in reading, writing, and speaking

1. Vogel, E.R., Hardus, M.E., Zulfa, A., Wich, S.A., Taylor, A.B., Van Schaik, C.P., and Dominy, N.J. (2011). Linking feeding ecology and jaw form in two species of wild orangutans. In *American Journal of Physical Anthropology*, Volume 144. pp. 301-301.