

James Holland Jones

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1 Education

Ph.D., Anthropology, Harvard University, Cambridge, Massachusetts. 2000.
A.M., Anthropology, Harvard University, Cambridge, Massachusetts. 1994.
B.A., Anthropology and Biology, New College, Sarasota, Florida. 1991.

2 Research interests

Anthropology Human ecology, demography and life history theory, social epidemiology, ecology of infectious disease, social networks, ethological measurement

Demography & Epidemiology Biodemography, infectious disease epidemiology, social networks, nonhuman primate demography, historical demography, demographic microsimulation, kinship

Quantitative Methods Statistical inference, network analysis, computer simulation, Bayesian statistics, survival analysis, R, Mathematica, MATLAB, Python

3 Professional Positions

Current Position

2007- Assistant Professor, Department of Anthropology, Stanford University, Stanford, California.

Other Affiliations

2009- Co-Director, Methods of Analysis Program in the Social Sciences, Stanford University.

2007- Fellow, Woods Institute for the Environment, Stanford University.

2007- Faculty Affiliate of the Stanford Center on Longevity, Stanford University.

2004- Faculty Affiliate, Center for Human and Primate Reproductive Ecology, Yale University.

2003- Faculty Associate, Center for Economics and Demography of Aging, University of California, Berkeley.

Past Positions

2003-2007 Assistant Professor, Department of Anthropological Sciences, Stanford University, Stanford, California.

2002-2003 Research Scientist, Center for Studies in Demography and Ecology, University of Washington.

2001-2003 Post-Doctoral Affiliate, Center for Statistics and the Social Sciences, University of Washington.

2001-2002 Senior Fellow, Allergy and Infectious Diseases, University of Washington Medical School, Seattle, Washington.

2001-2002 Research Fellow, Center for Studies in Demography and Ecology, University of Washington.

2000-2001 Lecturer, Department of Anthropology, Harvard University.

1998-2001 Assistant Senior Tutor, Fellowships. Mather House, Harvard College.

1997-2001 Resident Tutor in Biology and Anthropology. Mather House, Harvard College.

1992-1999 Teaching Fellow, Department of Anthropology, Harvard University.

1995-1996 Fulbright Scholar, Indonesian Institute of Science (LIPI) and Subdirector of Conservation and Park Management, Department of Forestry (PHPA), Indonesia.

1994 Research Assistant, Department of Animal Science, Corvallis, Oregon.

1992 Archaeologist, Archaeological Consultants Inc., Sarasota, Florida.

1991-1992 Archaeologist, Ecology and Environment Inc., Tallahassee, Florida.

1990 Scientific Research Intern, Division of Ecological Monitoring, Natural Resources Department, Sarasota, Florida.

4 Publications

Peer-Reviewed

Jones, J.H., M.L. Wilson, C. Murray, and A.E. Pusey. (2009) Phenotypic quality influences fertility in Gombe chimpanzees. *Journal of Animal Ecology*, forthcoming.

- Jones, J.H. and M. Salathé. (2009) Early Assessment of Anxiety and Behavioral Response to Influenza A(H1N1), *PLoS ONE*, in press.
- Keele*, B.F., J. H. Jones*, K. A. Terio*, J. D. Estes*, R. S. Rudicell*, M. L. Wilson*, Y. Li, G. H. Learn, T. M. Beasley, J. Schumacher-Stankey, E. Wroblewski, A. Mosser, J. Raphael, S. Kamenya, E. V. Lonsdorf, J. G. Else, G. Silvestri, J. Goodall, P. M. Sharp, G. M. Shaw, A. E. Pusey and B. H. Hahn. (2009) Increased Mortality and AIDS-like Immunopathology in Wild Chimpanzees Infected with SIVcpz, *Nature*, 460: 515-519. (doi:10.1038/nature08200).
*=equal contribution.
- Jones, J.H. (2009) The force of selection on the human life cycle, *Evolution and Human Behavior*, 30(5): 305-314. (doi:10.1016/j.evolhumbehav.2009.01.005).
- Jones, J.H. and B.D. Ferguson. (2009) Demographic and social predictors of intimate partner violence in Colombia: A dyadic power perspective, *Human Nature*, 20(2): 184-203. (doi: 10.1007/s12110-009-9064-6)
- Bliege Bird, R., D.W. Bird, B.F. Coddling, C.H. Parker and J.H. Jones. (2008) Anthropogenic fire mosaics, biodiversity and Australian Aboriginal foraging strategies: A test of the “Fire Stick Farming” hypothesis, *Proceedings of the National Academy of Sciences, USA*, 105(39): 14796-14801. (doi: 10.1073/pnas.0804757105)
- Hacker, J.D., L.R. Hilde and J.H. Jones. (2008) The Impact of the American Civil War on Southern Marriage Patterns, *Journal of Southern History*, forthcoming.
- Emery Thompson, M., J.H. Jones, A.E. Pusey, S. Brewer-Marsden, J. Goodall, D. Marsden, T. Matsuzawa, T. Nishida, V. Reynolds, Y. Sugiyama, and R.W. Wrangham. (2007) Aging and fertility in wild chimpanzees: implications for evolution of menopause. *Current Biology*, 17(24): 1-7. (doi:10.1016/j.cub.2007.11.033)
- Jones, J.H. (2007) demogR: A package for the construction and analysis of age-structured demographic models in R. *Journal of Statistical Software*, 22(10): 1-28.
- Jones, J.H. and B.D. Ferguson (2006) Excess male death leads to a severe marriage squeeze in Colombia, 1973-2005. *Social Biology*, 53(3-4): 140-151.
- Handcock, M.S. and J.H. Jones. (2006) Interval estimates for epidemic thresholds in two-sex network models, *Theoretical Population Biology*. 70(2): 125-134.
- J.H. Jones (2005) Fetal programming: Adaptive life-history tactic or making the best of a bad start? *American Journal of Human Biology*, 17(1): 22-33.
- Handcock, M.S. and J.H. Jones. (2004) Likelihood-based inference for stochastic models of sexual network evolution. *Theoretical Population Biology*, 65: 413-422.
- Jones, J.H. and M.S. Handcock. (2003a) Sexual contacts and epidemic thresholds. *Nature*, 423: 605-606.

- Jones, J.H. and M.S. Handcock. (2003b) An assessment of preferential attachment as a mechanism for the growth of human sexual networks. *Proceedings of the Royal Society of London, B*. 270: 1123-1128.
- Wrangham, R.W., J.H. Jones, G. Laden, D. Pilbeam, and N. Conklin-Brittain. (1999) The raw and the stolen: Cooking and the ecology of human origins. *Current Anthropology*. 40(5): 567-594.
- Bercovitch, F.B., M.D. Hauser, and J.H. Jones. (1995) The endocrine stress response and alarm vocalizations in rhesus macaques. *Animal Behaviour*. 49: 1703-1706.

Book Chapters

- Jones, J.H. (2009) Demography. In: *Human Evolutionary Biology*, Muehlenbein, M, ed. Cambridge University Press. (in press)
- Jones, J.H. (2008) Culture for epidemic models and epidemic models for culture. In M. Brown, ed., *Explaining Culture Scientifically*, Seattle: University of Washington Press. pp. 117-136.
- Nishida, T. R.W. Wrangham, J.H. Jones, A.J. Marshall, J. Wakibara. (2001) Do chimpanzees Survive the 21st Century? In *The Apes: The Challenges for the 21st Century*. Chicago: Chicago Zoological Society. pp. 43-51.
- Jones, J.H. (1997) Ethology. In T. Barfield, ed., *The dictionary of Anthropology*. Oxford: Blackwell Publications. pp. 167-168.

Commentaries and book reviews

- Jones, J.H. (2009) Anthropology as Cross-Cutting Biosocial Science. *Anthropology News*, forthcoming.
- Jones, J.H. and R. Bliege Bird (2008) In defense of functionalism. *Anthropology News*, 49(7): 45-46.
- Jones, J.H. (2003) Review of *Primate Life Histories and Socioecology*, by P.M. Kappeler and M.E. Pereira, eds. *Ecology*, 85(2): 587-589.
- Wrangham, R. W., J. H. Jones, and M. Leighton. (1995) The allometry of energy allocation: Commentary. *Current Anthropology*. 36(2): 216.
- Hauser, M. D. and J. H. Jones. (1995) Review of *Aping Language*, by Joel Wallman. *American Journal of Physical Anthropology*. 91: 531-533.

Submitted Papers

- Salathé, M. and J.H. Jones. Dynamics and Control of Diseases in Networks with Community Structure, submitted *PLoS Computational Biology*.

- Salkeld, D.J., M. Salathé, P. Stapp, J.H. Jones. Multi-host interactions explain patterns of enzooticity of plague, submitted *Science*.
- Jones, J.H. and S. Tuljapurkar. Elasticities and the Constraints on Selection in the Human Life History, submitted *Evolution and Human Behavior*.
- Ferguson, B.D., J. Restrepo, and J.H. Jones. Missing men: The mortality costs of gun violence in Colombia 1985-2005, submitted *Proceedings of the National Academy of Sciences*.
- Ryan, S.J., A.P. Dobson, and J.H. Jones. The effects of contact structure, demography and movement on disease transmission within a primate metapopulation, submitted *Behavioral Ecology and Sociobiology*.
- Jones, J.H. and S. Tuljapurkar. Risk management and the evolution of biparental care. Revise and resubmit, *Evolution*.
- Jones, J.H. The probability of maternal orphanhood under a generalized AIDS epidemic. Revise and resubmit, *Demography*.

Working Papers/Miscellaneous Publications

- Rudicell, R., Jones, J.H., E. Wroblewski, B. Keele, L. Pineta, E. Greengrass, F. Grossman, S. Kamenya, A. Mosser, B. Hahn, A.E. Pusey, M.L. Wilson. (2009) Population Decline in a Chimpanzee Community with a High Prevalence of SIVcpz Infection, Working Paper.
- Jones, J.H. S. HELLERINGER, and H.-P. Kohler. (2010) Discovering Structure: The Determinants of Sexual Network Patterns. In *Pathways of Infection: Sexual Networks and HIV/AIDS in a sub-Saharan Population*, Working paper.
- Salkeld, D.J., P. Stapp, J.H. Jones. (2009) The climate-disease amplification hypothesis: Relationships between vector-abundance, host density, and weather in grasshopper mice. Working Paper.
- Jones, J.H. and D. Salkeld (2009) Wild bird culls are inefficient for control of avian influenza. Working Paper.
- Jones, J.H. and S. Jackman. (2008) Bayesian inference for finite mixture models: Heterogeneous composition of Californian birth cohorts 1970-2005. Working Paper (PAA 2008).
- Jones, J.H. S. HELLERINGER, H.-P. Kohler (2008) The epidemiological consequences of sexual network structure on Likoma Island, Malawi. Working Paper (PAA 2007).
- Handcock, M.S., J.H. Jones, and M. Morris. (2003) On “Sexual contacts and epidemic thresholds,” models and inference for sexual partnership distributions. [CSSS Working Paper # 31](#).
- Jones, J.H. and M.S. Handcock. (2002) Statistical evidence tells tails of human sexual contacts. [CSSS Working Paper # 21](#).

Meeting presentations and abstracts

1. Jones, J.H. (2009) Disease-Induced Mortality and Biased Social Structure. American Anthropological Association, Philadelphia, PA. 5 December 2009.
2. Rudicell, R., J. H. Jones, E. E. Wroblewski, E. Greengrass, S. Kamenya, A. Mosser, B. Keele, A. E. Pusey, B. Hahn, and M. L. Wilson. (2009) Population Decline in a Chimpanzee Community with a High Prevalence of SIVcpz Infection. CROI 2010: 17th Conference on Retroviruses and Opportunistic Infections. San Francisco, CA.
3. Rudicell, R., J.H. Jones, A.E. Pusey, K. Terio, J. Estes, J. Raphael, E. Lonsdorf, M.L. Wilson, B. Keele, B. Hahn. (2009) SIVcpz is pathogenic in its natural host. CROI 2009: 16th Conference on Retroviruses and Opportunistic Infections, Montreal. 8-11 February 2009.
4. Yu, Y.J. and J.H. Jones. (2009) Ego-Centric networks of Chinese Female Sex Workers. Sunbelt Social Networks Conference, San Diego, CA.
5. Jones, J.H. and M. Salathé. (2009) The Effect of Network Structure on the Final Size of Epidemics on Graphs. Sunbelt Social Networks Conference, San Diego, CA.
6. Jones, J.H. (2009) The marginal valuation of fertility and risk-aversion in women's reproduction on the Utah frontier, 1849-1929. Human Biology Association, Chicago Illinois.
7. Jones, J.H. and S.D. Jackman. (2008) Bayesian hierarchical mixture models for high-risk births in California, 1968-2005. Population Association of America, New Orleans, LA.
8. Ferguson, B.D., J.A. Restrepo, J.H. Jones (2008) Missing men: the direct mortality impacts of firearm violence in Colombia, 1979-2005. Population Association of America, New Orleans, LA.
9. Jones, J.H. S. HELLERINGER, H.-P. KOHLER (2008) Exponential Random Graph Models for Complete Sexual Network Data for Likoma. Sunbelt Social Networks Conference, St. Petersburg, FL. 26 January 2008.
10. Jones, J.H. and B.D. Ferguson (2007) Demographic and Social Predictors of Intimate Partner Violence in Colombia: A Dyadic Power Perspective. American Anthropological Association, Washington, DC. 29 November 2007.
11. Jones, J.H. S. HELLERINGER, H.-P. KOHLER (2007) Statistical Models for Sexual Networks on Likoma Island, Malawi: Implications for Sexual Behavior and HIV Control. Population Association of America, New York, NY. 30 March 2007.
12. Hilde, L.R., J.D. Hacker, J.H. Jones (2007) The Impact of the American Civil War on Post-War Marriage. Population Association of America, New York, NY. 30 March 2007.
13. Jones, J.H. (2006) Environmental change and emerging infectious disease: A proximate-determinants approach. Population Association of America, Los Angeles, CA. 1 April 2006.

14. Jones, J.H. (2006) The relative concentration of net maternity in chimpanzees and humans. Human Biology Association. Anchorage, AK. (*American Journal of Human Biology*, 18(2): 260)
15. Jones, J.H. (2005) The probability of maternal orphanhood under a generalized AIDS epidemic. Population Association of America, Philadelphia, PA. 1 April 2005.
16. Jones, J.H. (2005) Environmental variability, life-history tactics, and Neanderthal extinction. American Association of Physical Anthropologists, Milwaukee, WI. 8 April 2005. (*American Journal of Physical Anthropology*, Suppl. 40: 123)
17. Barrett, R.L and J.H. Jones (2004) Social challenges to effective ring vaccination programs. IRiSS Workshop: Anthropological Perspectives on Ecology and Health, Stanford, CA. 20 November, 2004,
18. Jones, J.H. (2004) Pair-bonding and the human life history problem. IRiSS Workshop: Anthropological Perspectives on Ecology and Health, Stanford, CA. 20 November, 2004,
19. Ferguson, B., G. Reniers, T. Araya, J. H. Jones, E. Sanders. (2004) Empirical Bayes estimation of small area adult mortality risk in Addis Ababa, Ethiopia. Population Association of America, Boston, MA. 3 April 2004.
20. Carcamo, C., J. Hughes, P. Garcia, P.J., Campos, G. Garnett, P. White, M. Chiappe, S. Astete, F. Jones, R. Meza, N. Gadea, J.H. Jones, M. Morris, K. Richmond, K.K. Holmes (2003) Methodology for the 2002 National Household-Based General Population Survey of Risk Behavior and Sexually Transmitted Diseases (STD) Prevalence in Peru. International Society for the Study of Sexually Transmitted Diseases, 27 July, Ottawa, Canada.
21. Garcia P.J., C. Carcamo, P. Campos, J. Hughes, G. Garnett, P. White, J.H. Jones, M. Morris, S. Aral, K.K. Holmes. (2003) Sex in Peru: Sexual Behaviors in a Nation-Wide Population-Based Survey of Urban Young Adults. International Society for the Study of Sexually Transmitted Diseases, 27 July, Ottawa, Canada.
22. Jones, J.H. and M. Morris (2003) AIDS orphans and “grandorphans” in Sub-Saharan Africa: The impact of correlated mortality on households and kinship structure. Population Association of America, 1 May, Minneapolis, Minnesota.
23. Jones, J.H. (2000) Human evolutionary demography: The evolution of the human life cycle. Human Behavior and Evolution Society, 9 June, Amherst, Massachusetts. Awarded HBES New Investigator Prize.
24. Jones, J.H. (1999) A life-cycle approach to the problem of post-reproductive survival. Human Behavior and Evolution Society, 2 June, Salt Lake City, Utah.
25. Jones, J.H. (1998) Sex-biased mortality and the evolution of lemur social systems. American Association of Physical Anthropologists 67th annual meeting, 3 April, Salt Lake City, Utah (*American Journal of Physical Anthropology*, Suppl. 26: 180).

26. Jones, J.H. (1998) Body size predicts patch residence time in orangutans. Ecological Society of America 83rd annual meeting, 3 August, Baltimore, Maryland.

Software

1. **demogR**: Software for the Construction and Analysis of Age-Structured Demographic Models in R, available on <http://cran.r-project.org>.

Technical Reports

1. Marshall, A.J., J.H. Jones, and R.W. Wrangham. (2000) The plight of the apes: The status of global ape populations. A briefing prepared for H.R. 2340: The Great Ape Conservation Act.
2. Jones, J.H. (1996) Orangutan Foraging ecology in the Gunung Palung National Park, Kalimantan Barat. Technical Report prepared for the Indonesian Institute of Science (LIPI).

5 Invited Talks

1. Jones, J.H. Human Evolutionary Demography: Marginal Valuation, Risk-Aversion, and Reproductive Decision-Making on the Utah Frontier. Department of Human Evolutionary Biology, Harvard University. 15 October 2009.
2. Jones, J.H. Mathematical Models for Infectious Diseases and The Evolution of Pathogen Virulence. Indiana University Themester Lecture Series, Indiana University. 11 September 2009.
3. Marginal valuation of fertility and risk-aversion in women's reproduction on the Utah frontier, 1849-1929. Department of Economics, Indiana University. 10 September 2009.
4. Jones, J.H. Anthropological Perspectives on Networks and Epidemics: Stopping Rules, Chimpanzee Sex, and Betweenness Variance. Center for Infectious Disease Dynamics, Pennsylvania State University. 28 April 2009.
5. Bird, R.B. and J.H. Jones. Evolution and human behavior: perspectives from human behavioral ecology. Wiley-Liss Invited Symposium. American Association of Physical Anthropologists, Chicago, IL. 2 April 2009.
6. Marginal valuation of fertility and risk-aversion in women's reproduction on the Utah frontier, 1849-1929. Morrison Institute for Population and Resource Studies, Stanford University, 18 February 2009.
7. Social interactions and infectious disease epidemiology. NAS/CNRS Frontiers of Science Symposium, Roscoff, France. 20-22 November 2008.
8. Marginal valuation of fertility and risk-aversion in women's reproduction on the Utah frontier, 1849-1929. Population Studies Center. University of Michigan. 13 October 2008.

9. Marginal valuation of fertility and risk-aversion in women's reproduction on the Utah frontier, 1849-1929. Department of Anthropology, UC Santa Cruz, 5 November 2008.
10. The marginal valuation of fertility. IUSSP Seminar on Trade-Offs in Female Life Histories. University of Bristol, Bristol UK (with R. Bliege Bird). 22 July 2008.
11. Finite mixture models for biodemographic inference. California Center for Population Research, University of California, Los Angeles. 24 October 2007.
12. Measuring heterogeneity in mortality using finite mixture models. Morrison Institute for Population and Resource Studies, Stanford University, November 2007.
13. Rank, not age, predicts the length of chimpanzee birth intervals. California Biodemography Program Project Conference on Sociality and Biodemography, Ponta Delgada, Açores. 17-20 June 2007.
14. Diabetes and Tuberculosis: The Demography of Interacting Epidemics. Demography and Infectious Disease: Integrating Multiple Levels of Biological and Social Information. Applera Foundation Lecture Series, Stanford CA. 23 February 2007.
15. Epidemic thresholds for heterogeneous two-sex epidemic models. Institute for Mathematics and the Behavioral Sciences, University of California, Irvine. 1 February 2007.
16. The evolution of biparental care in variable environments. Museum of Vertebrate Zoology, University of California, Berkeley. 22 November 2006.
17. Likelihood-based inference for sexual networks. Santa Fe Institute. 26 October 2006.
18. Excess male death and the marriage squeeze in Colombia: Implications for migration and the male life course. IUSSP Seminar on the Male Life Course, Marburg, Germany. 12 October 2006.
19. Dynamical consequences of interacting diabetes and tuberculosis epidemics. Stanford Center for Health Policy Seminar Series. 8 November 2006.
20. Stochastic models of sexual partnership distributions and implications for elimination and control of STIs. Quantitative Methods in the Social Sciences Colloquium Series, University of California, Santa Barbara. 25 January 2006.
21. Frailty models of chimpanzee fertility. Center for Statistics & the Social Sciences Seminar Series, University of Washington. 17 January 2006.
22. The demography of the Gombe chimpanzees: An analysis of 42 years of vital event data. Biological Anthropology Colloquium, Harvard University. 7 October 2005.
23. The demography of the Gombe chimpanzees: An analysis of 42 years of vital-event data. Bay Area Consortium on Population Lecture Series, University of California, Berkeley. 1 September 2005.

24. Health disparities and epidemic thresholds: Implications for defense against bioterrorism and emerging infections. Notestein Lecture, Office of Population Research, Princeton University. 15 February 2005.
25. Likelihood-based inference for network degree distributions. Department of Statistics Winter Colloquium, Stanford University. 8 February 2005.
26. Probability of orphanhood under a generalized AIDS epidemic. Morrison Center for Population and Resource Studies Winter Colloquium Series, Stanford University. 26 January 2005.
27. Landscape persistence of a sexually-transmitted infection in a metapopulation linked by male dispersal. Special session: Parasites and host social organization. Ecological Society of America, Portland, Oregon. August 2004.
28. Likelihood-based inference for network degree distribution. Special session: Statistical inference for social networks, Biometric Society, Western North America Region Meeting, Albuquerque, NM. 28 June 2004.
29. Early life events and life history theory. Plenary Session: The Fetal Origins of Developmental Plasticity, Human Biology Association Annual Meeting, Tampa, Florida. 15 April 2004.
30. Pair-bonding and the human life history problem. Department of Anthropological Sciences Colloquium, Stanford. 10 December 2003.
31. Cultural transmission in heterogeneous populations: Sexually transmitted diseases as biomarkers of cultural biases? *Toward a Scientific Concept of Culture* Conference, Department of Anthropological Sciences, Stanford University. 23 January 2003, Stanford, California.
32. Bayesian statistical methods and evolutionary anthropology. Biological Anthropology Seminar Series, University of Washington. 4 December 2002.
33. Epidemic thresholds exist in human sexual contact networks Center for Statistics and the Social Sciences, University of Washington. 9 October 2002.
34. AIDS orphans and “grandorphans” in Sub-Saharan Africa: The Impact of Correlated Mortality on Households and Kinship Structure (with Martina Morris). Department of Demography, University of California, Berkeley. 13 March 2002.
35. AIDS orphans and “grandorphans” in Sub-Saharan Africa: The Impact of Correlated Mortality on Households and Kinship Structure. Center for Studies in Demography & Ecology Seminar Series, University of Washington. 8 March 2002.
36. Modeling the Differential Prevalence of Bacterial STDs. Department of Anthropological Sciences, Stanford University. 1 February 2002.
37. Rethinking strategies for estimating demographic schedules from incomplete data. Center for Statistics & the Social Sciences Seminar Series, University of Washington. 7 November 2001.

38. Matrix Population Models and the Evolution of the Human Life Cycle. Department of Ecology, Evolution & Behavior, University of Minnesota, St. Paul, Minnesota 3 March 2000.
39. Population dynamics and extinction in structured populations: Applications to the Middle Paleolithic. Stone Age Laboratory, Harvard University, 2000.
40. Cooking and the Evolution of Human Sexual Bonding. Department of Anthropology Colloquium, Yale University, New Haven Connecticut, 1999.
41. Population Models for Orangutan Conservation. Department of Anthropology, New York University, New York, New York, 1999.
42. Population Models for Orangutan Conservation. Department of Anthropology Colloquia Series, Harvard University, Cambridge, Massachusetts, 1999.
43. Production Models of Primate Life Histories. Department of Anthropology Colloquia Series, Harvard University, Cambridge, Massachusetts, 1997.
44. Ultimately, Why Do Primates Grow So Slowly? Department of Anthropology Colloquia Series, Harvard University, Cambridge, Massachusetts, 1995.
45. Phylogenetic Systematics and Ruminant Evolution. Department of Animal Science Colloquia Series, Oregon State University, Corvallis, Oregon, 1994.

6 Fellowships and Honors

- 2009 Stanford-France Cooperation Grant, Stanford University.
- 2008 National Academy of Sciences/Centre National de la Recherche Scientifique, Kavli Frontiers in Science, Invited Speaker
- 2007 Hellman Faculty Scholar, Stanford University.
- 2007 Fellow, Woods Institute for the Environment, Stanford University
- 2005 Career Development Award (K01), National Institute for Child Health and Human Development
- 2001 National Research Service Award, National Institute for Allergy and Infectious Diseases
- 2000 New Investigator Prize, Human Behavior and Evolution Society Annual Meeting, Amherst, Massachusetts
- 2000 Edmund J. Curley Scholarship
- 2000 Derek Bok Center for Teaching Award (Also 1993, 1995, 1999)
- 1999 Harvey E. Clifford Scholarship
- 1998 Cora DuBois Charitable Trust Fellowship

1995-96 Fulbright Fellowship to Indonesia

1992-94 Ann Getty Predoctoral Fellowship, Harvard University

1990 Florida honors waiver

7 Research Grants

Principal Investigator

2005-2010 “Demographic Change and Dependent Social Structures,” NICHD 1K01HD051494-01.
Total Direct Costs: \$600,000 over 5 years.

2009 “RAPID: Structure of Contact Networks and the Spread of Flu-like Infectious Diseases:
Implications for Dynamics and Control,” NSF BCS-0947132 (Cultural Anthropology and
Methodology, Measurement and Statistics). Total Costs: \$103,133.

2009 “Doctoral Dissertation Research: Motives for Consuming, Sharing and Trading Wildlife in
Urban Cameroon,” (Shannon Randolph, Co-PI) NSF BCS-0922045. Total Direct Costs:
\$15,000.

2008 “Doctoral Dissertation Research: Life History Perspectives on Violent Conflict in
Colombia,” (Brodie Ferguson, Co-PI) NSF BCS-0753741. Total Direct Costs: \$13,610.

2008 “Doctoral Dissertation Research: Social Networks and Social Capital: New Techniques for
Studying Marginalized Populations at Risk,” (Yeon Jung Yu, Co-PI) NSF BCS-0753231.
Total Direct Costs: \$14,280.

2007-2009 “Forest Conversion and the Changing Epidemiological Environment in Southeast
Asia,” Stanford Woods Institute for the Environment Environmental Ventures Program
Grant. Total Direct Costs: \$150,000.

2007 Conference Grant: “The Demography of Infectious Disease,” Applera Corporation. Total
Direct Costs: \$60,000.

Co-Principal Investigator

2009-2012 “Anthropogenic Fire, Human Foraging Strategies, and Ecosystem Dynamics in the
Western Desert of Australia,” Rebecca Bird, PI. NSF Cultural Anthropology BCS-0850664.
Total Direct Costs: \$500,001.

2009-2010 “Global Climate Change and Regional Conflict in the African Sahel,” Roz Naylor, PI.
Freeman-Spogli Institute for International Studies Presidential Fund. Total Direct Costs:
\$150,000 over 2 years.

2009-2010 “An interdisciplinary approach to understanding the role of anthropogenic fire in the
desert grasslands of Australia,” Douglas W. Bird, PI. Stanford Woods Institute for the
Environment Environmental Ventures Program Grant. Total Direct Costs: \$150,000.

2007-2009 “Workshops in Formal Demography and Biodemography,” Shripad Tuljapurkar, PI. NICHD 1R25HD055354. Total Direct Costs: \$300,000 (approximate) over 2 years.

2004-2006 “Workshops in Formal Demography,” Shripad Tuljapurkar, PI. NICHD 1R25HD04498. Total Direct Costs: \$320,000 over 2 years.

2005-2007 “Anthropogenic Burning as a Resource Management Strategy Among Australian Hunter-Gatherers,” Rebecca Bliege Bird and Douglas Bird, Co-PIs. Stanford University Office of Technology Licensing Research Incentive Grant. Total Direct Costs: approximately \$25,000 over two years.

Consultant

2009-2014 “Molecular Epidemiology and Natural History of SIVcpz,” NIAID 2R01AI058715-06A109. PI: Beatrice Hahn.

2009-2014 “Epidemiology of Emerging Infectious Diseases and Bioterrorism,” NIAID 2T32AI052073-06A1. PI: Julie Parsonnet.

Other Research Awards

2009 Stanford-France Cooperation Center Grant.

2004 Seed Grant for Exploratory Research, CEDA, UC Berkeley.

2004 Stanford Institute for International Studies, Hewlett Family Fund Grant

1998 Mellon dissertation completion award

1997 Mellon dissertation top-up award

1995 Mellon pre-dissertation award

8 Teaching

Courses

Graduate Research Methods; Life History Theory; Formal Demography; Social Epidemiology; Epidemic Modeling; Statistics; Evolutionary Theory

Undergraduate Human Population Biology; Environmental Change and Emerging Infectious Disease; Ecology, Evolution and Human Health; Evolution of Human Diet; Nutrition and Human Growth; Human Nature; Human Life Cycle

Students and Post-Docs Supervised

Post-Docs

Dan Salkeld (2008-)

Sadie Jane Ryan (2007-2009). Current Position: Post-Doc, National Center for Ecological Analysis and Synthesis, UC Santa Barbara.

Ph.D. Students

E'lana Jordan, primary advisor (2009-)

Alejandro Feged, primary advisor (2007-)

Yeon Jung Yu, primary advisor (2006-)

Shannon Randolph, primary advisor (2005-)

Brodie D. Ferguson, primary advisor (2004-)

Emilio Zagheni (Demography UC Berkeley), thesis committee member (2008-).

Katherine Grace (Geography, UC Santa Barbara), thesis committee member (2006-2008).
Current Position: Post-Doc, Max Planck Institute for Demography.

Raziel Davison (Biological Sciences), thesis committee member (2006-)

Cedric Puleston (Biological Sciences), thesis committee member (2005-2009). Current Position:
Post-Doc, UC Davis.

Karim Al-Khafaji (Biological Sciences), thesis committee member (2005-2008). Current Position:
Consultant, The Bridgespan Group.

Charles Roseman (Ph.D. 2005), thesis committee member (2003-2005). Current Position:
Assistant Professor, University of Illinois

Elizabeth Fair (Ph.D., Epidemiology, 2005), thesis committee member (2005). Current Position:
Post-Doc, UCSF

Richard D. Pocklington (Ph.D. 2005), thesis committee member (2003-2005)

Neil Abernethy (Ph.D., Medical and Bioinformatics, 2005), thesis committee member
(2003-2005). Current Position: Assistant Professor, University of Washington.

9 Professional activities and memberships

Professional Service

External Service

Co-Director, Methods of Analysis Program in the Social Sciences (MAPSS), Stanford University. September 2009-.

Member, Editorial Board, *PLoS ONE*. October 2008-.

Panelist, National Science Foundation, Ecology of Infectious Disease Panel. April 2008-2009.

Panelist, National Science Foundation, Cultural Anthropology Dissertation Awards Committee. April 2007-2008.

Member, School of Geology/Woods Institute for the Environment Joint Faculty Search Committee. 2007.

Discussant, Sexual Behavior, Sexual Networks, and STDs. Population Association of America, Los Angeles, CA. 30 March 2006.

Member, Scientific Review Group, National Institute of General Medical Sciences, Models of Infectious Disease Agent Study (MIDAS). Bethesda, MD. 2005.

Member, Advisory Committee on International Health, Stanford Medical School. 2004-.

Member, Research Committee, Woods Institute for the Environment. 2005-2009.

Organizer, IRiSS Workshop: Anthropological Perspectives on Ecology and Health, Stanford, CA. November 2004.

Member, National Science Foundation, Human Social Dynamics: Agents of Change Advisory Panel. June 2004.

Steering Committee Member, Methods of Analysis Program in the Social Sciences (MAPSS), Stanford. 2003-.

Member, Environmental Anthropology Faculty Search Committee. Woods Institute for the Environment and Department of Anthropological Sciences. 2003, 2006.

Chair, Human Behavior and Evolution Society Session on Life History Strategies, HBES Annual Meeting, Amherst, Massachusetts, 9 June 2000.

Member, Harvard College Rhodes Scholarship and British Marshall Scholarship Endorsement Committee. 1998-2000.

Memberships

Population Association of America
International Union for the Scientific Study of Population
International Network for Social Network Analysis
American Anthropological Association
Human Biology Association
Ecological Society of America

Reviewer

National Science Foundation (Cultural Anthropology; Physical Anthropology; Methodology, Measurement and Statistics), Cambridge University Press, National Institute of General Medical Sciences, National Institute of Child Health and Human Behavior, *American Journal of Human Biology*, *American Journal of Public Health*, *Annals of Applied Statistics*, *Behavioral Ecology*, *Behavioral Ecology and Sociobiology*, *Biology Letters*, *Canadian Journal of Zoology*, *Computational and Mathematical Organization Theory*, *Current Anthropology*, *Evolution*, *Evolution and Human Behavior*, *Human Ecology*, *Human Nature*, *Journal of Anatomy*, *Journal of Archaeological Science*, *Mathematical Population Studies*, *Mechanisms of Ageing and Development*, *PLoS ONE*, *Proceedings of the National Academy of Sciences*, *Proceedings of the Royal Society B*, *Biological Sciences*, *Social Networks*, *Theoretical Population Biology*