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### **Other program affiliations**

Director, Center for Statistics and the Social Sciences, University of Washington  
Research affiliate, Center for Studies in Demography and Ecology, University of Washington.  
Faculty affiliate, South Asia Center, University of Washington

### **Education**

1996 PhD, Anthropology and Demography, The Pennsylvania State University, University Park.  
1990 MS, Anthropology, University of Wisconsin–Madison.  
1988 BS, Anthropology, University of Wisconsin–Madison.

### **Research interests**

Biological anthropology: human reproductive ecology, population genetics, human biological and social evolution, paleodemography  
Anthropological demography: birth spacing, fecundability, pregnancy loss, mortality, lactational infecundability, indirect estimation methods.  
Quantitative methods: stochastic modeling, event history analysis, mixture models.

### **Positions**

2017- Director, Center for Statistics and the Social Sciences, University of Washington, Seattle  
2014-2017 Director, Center for Social Science Computation and Research, University of Washington, Seattle  
2013-2014 Acting Director, Center for Social Science Computing and Research, University of Washington, Seattle  
2012-2014 Associate Director, Center for Statistics and the Social Sciences, University of Washington, Seattle.  
2005- Associate Professor (with tenure), Department of Anthropology, University of Washington, Seattle.  
1999-2005 Assistant Professor, Department of Anthropology, University of Washington, Seattle.  
1996-1998 NIH Postdoctoral Fellow, Population Research Institute, The Pennsylvania State University, University Park.

### **Publications**

#### **Journal articles (peer reviewed)**

Brunson EK, Holman DJ, Giovas CM (2015) Reliability of the *atd* angle in dermatoglyphic analysis. *Collegium Antropologicum*. **39**(3):797-800.  
Mattison SM, Brunson EK, Holman DJ (2015) Palmar crease classification and relationship to fetal alcohol spectrum disorders (FASD). *Collegium Antropologicum*. **39**(3):769-774.  
Kim J-H, Holman DJ, Goodreau SM (2015) Using social network methods to test for assortment of prosociality among Korean high school students. *PLoS ONE* **10**(4):e0125333. DOI:10.1371/journal.pone.0125333.  
MacInnes B, Fitzhugh B, Holman D (2014) Controlling for landform age when determining the settlement history of the Kuril Islands. *Geoarchaeology*. **29** (3):185–201. DOI: 10.1002/gea.21473.  
Trumble BC, Cummings DK, O'Connor KA, Holman DJ, Smith EA, Kaplan HS, Gurven MD (2013) Age-independent increases in male salivary testosterone during horticultural activity among Tsimane forager-farmers. *Evolution and Human Behavior*. **34**(5):350-357. DOI: 10.1016/j.evolhumbehav.2013.06.002  
Ferrell RJ, Rodríguez G, Holman D, O'Connor K, Wood JW, Weinstein M (2012) Hypoestrogenic “inactive phases” at the start of the menstrual cycle: changes with age and reproductive stage, and relationship to follicular depletion. *Fertility and Sterility*. **98**(5):1246-1253. DOI: 10.1016/j.fertnstert.2012.07.1101

- Parker D, Holman DJ (2012) Event history analysis of dengue fever epidemic and inter-epidemic spells in Barbados, Brazil, and Thailand. *International Journal of Infectious Diseases*. **16**(11):e793-8. DOI: 10.1016/j.ijid.2012.07.002
- Yamaguchi K, Holman DJ (2010) Longitudinal analysis of permanent tooth emergence in Japanese children. *Anthropological Sciences*. **118**(2): 141-149. DOI: 10.1537/ase.080718
- O'Connor KA, Ferrell R, Brindle E, Trumble B, Shofer J, Holman DJ, Weinstein M (2009) Progesterone and ovulation across stages of the transition to menopause. *Menopause* **16**(6): 1178-87. DOI: 10.1097/gme.0b013e3181aa192d
- O'Connor KA, Ferrell RJ, Brindle E, Shofer J, Holman DJ, Miller RC, Schechter DE, Singer B, Weinstein M (2009) Total and Unopposed Estrogen Exposure Across Stages of the Transition to Menopause, *Cancer Epidemiology, Biomarkers & Prevention*. **18**(3):828–36. DOI: 10.1158/1055-9965.EPI-08-0996
- Ferrell RJ, O'Connor, KA, Holman, DJ, Brindle E, Miller RC, Rodríguez G, Simon JA, Mansfield PK, Wood JW, Weinstein M (2007) Monitoring reproductive aging in a 5-year prospective study: aggregate and individual changes in luteinizing hormone (LH) and follicle-stimulating hormone (FSH) with age. *Menopause*. **14**(1):29-37. DOI: 10.1097/01.gme.0000227859.50473.20
- Ferrell RJ, Simon JA, Pincus SM, Rodriguez G, O'Connor KA, Holman DJ, Weinstein M. (2006) The length of perimenopausal menstrual cycles: length increases later and to a greater degree than previously reported. *Fertility and Sterility*. **86**(3):619-24. DOI: 10.1016/j.fertnstert.2006.01.045
- O'Connor KA, Brindle E, Miller RC, Shofer JB, Ferrell RJ, Klein JA, Soules MR, Holman DJ, Mansfield PK, Wood JW, Weinstein. (2006) Ovulation detection methods for urinary hormones: Precision, daily and intermittent sampling, and a combined hierarchical method. *Human Reproduction* **21**(6):1442-52. DOI: 10.1093/humrep/dei497
- Holman DJ, Grimes MA, Achterberg JT, Brindle E, O'Connor KA. (2006) The distribution of postpartum amenorrhea in rural Bangladeshi women. *The American Journal of Physical Anthropology* **129**(4):609-619. DOI: 10.1002/ajpa.20267
- Ferrell RJ, O'Connor KA, Rodríguez G, Gorrindo T, Holman DJ, Brindle E, Miller RC, Schechter DE, Korshalla L, Simon JA, Mansfield PK, Wood JW, Weinstein M. (2005) Monitoring reproductive aging in a five year prospective study: Aggregate and individual changes in steroid hormones and menstrual cycle lengths with age. *Menopause* **12**(5):567-77. DOI: 10.1097/01.gme.0000172265.40196.86
- Holman DJ, Yamaguchi K (2005) Longitudinal analysis of deciduous tooth emergence: IV. Covariate effects in Japanese children. *American Journal of Physical Anthropology* **126**:352-358. DOI: 10.1002/ajpa.10420
- Holman DJ, Grimes MA, Brindle E, O'Connor KA. (2004) Hormonal correlates for the initiation of breastfeeding in Bangladeshi women. *Hormones and Behavior* **46**(4):382-391. DOI: 10.1016/j.yhbeh.2004.04.001
- Miller RC, Brindle E, Holman DJ, Shofer J, Klein NA, Soules MR, O'Connor KA (2004) Comparisons of specific gravity and creatinine methods for normalizing urinary reproductive hormone concentrations. *Clinical Chemistry* **50**:924-932. DOI: 10.1373/clinchem.2004.032292
- Holman DJ, Grimes MA. (2003) Patterns for the initiation of breastfeeding in humans. *The American Journal of Human Biology* **15**:765-780. DOI: 10.1002/ajhb.10219
- Holman DJ, Jones RE (2003) Longitudinal analysis of deciduous tooth emergence: III. Sexual dimorphism in Bangladeshi, Guatemalan, Japanese and Javanese children. *American Journal of Physical Anthropology* **122**:269-278. DOI: 10.1002/ajpa.10239
- Sarton-Miller I, Holman DJ, Spielvogel H (2003) Regression-based prediction of net energy expenditure in children performing activities at high altitude. *American Journal of Human Biology* **15**:554-565. DOI: 10.1002/ajhb.10162
- O'Connor KA, Brindle E, Holman DJ, Klein NA, Soules MR, Campbell KL, Kohen F, Munro CJ, Shofer JB, Lasley WL, Wood JW (2003) Urinary estrone conjugate and pregnanediol-3-glucuronide enzyme-immunoassays for population-based research. *Clinical Chemistry*. **49**(7):1139-1148. DOI: 10.1373/49.7.1139
- O'Connor KA, Holman DJ, Wood JW (2001) Menstrual cycle variability and the perimenopause. *The American Journal of Human Biology* **13**(4):465-78. DOI: 10.1002/ajhb.1078
- Holman DJ, Grimes MA. (2001) Colostrum feeding behaviour and initiation of breast-feeding in rural Bangladesh. *The Journal of Biosocial Science* **33**:139-54. DOI: 10.1017/S0021932001001390
- O'Connor KA, Holman DJ, Wood JW. (1998) Declining fecundity and ovarian aging in natural fertility populations. *Maturitas*. **30**:127-136. DOI: 10.1016/S0378-5122(98)00068-1
- Holman DJ, Rasheed FN, Stroud CM, Brindle E, O'Connor KA, Campbell KL (1998) A commercial pregnancy test modified for field studies of fetal loss. *Clinica Chimica Acta*. **271**(1):25-44. DOI: 10.1016/S0009-8981(97)00225-8

- Holman DJ, Jones RE (1998) Longitudinal analysis of deciduous tooth emergence II: Parametric survival analysis in Bangladeshi, Guatemalan, Japanese and Javanese children. *American Journal of Physical Anthropology* **105**(2):209-30. DOI: 10.1002/(SICI)1096-8644(199802)
- Wood JW, Holman DJ, Yashin A, Peterson RJ, Weinstein M, Chang M-c (1994) A multistate model of fecundability and sterility. *Demography* **31**(3):403-426. DOI: 10.2307/2061750
- Wood JW, Holman DJ, Weiss KM, Buchanan AV, LeFor B (1992) Hazards models for human population biology. *Yearbook of Physical Anthropology* **35**:37-63.
- Holman DJ, Jones RE (1991) Longitudinal analysis of deciduous tooth emergence in Indonesian children: I. Life table methodology. *American Journal of Human Biology* **3**(4):389-403. DOI: 10.1002/ajhb.1310030410
- Holman DJ, Bennett KA (1991) Determination of sex from arm bone measurements. *American Journal of Physical Anthropology* **84**(4):421-426. DOI: 10.1002/ajpa.1330840406

### Book chapters (\* peer reviewed)

- \*Holman DJ, O'Connor KA, Wood JW (2005) Age and female reproductive function: Identifying the most important biological determinants. In Hill A, Mascie-Taylor N, Leridon H, Sauvain-Dugerdil C (eds.) *Age: Human Clock and Scale of Social Organization*. Oxford: Oxford University Press.
- Holman DJ, O'Connor KA (2004) Bangladeshis. In Ember and Ember (eds.) *Encyclopedia of Medical Anthropology: Health and Illness in the World's Cultures*. New York: Plenum Press. pp. 579-590.
- Holman DJ (2003) Unobserved heterogeneity. In: Lewis-Beck MS, Bryman A, Liao TF, (eds.) *Encyclopedia of Social Science Research Methods*. Thousand Oaks, CA: Sage Publications.
- Holman DJ, O'Connor KA, Wood JW. (2002) Estimating age-at-death distributions from skeletal samples: A multivariate latent trait approach. In Hoppa RD and Vaupel JW (eds.) *Paleodemography: Age Distributions from Skeletal Samples*. Cambridge: Cambridge University Press, pp. 222-242.
- Wood JW, Holman DJ, O'Connor KA, Ferrell RJ. (2002) Models of human mortality. In Hoppa RD and Vaupel JW (eds.) *Paleodemography: Age Distributions from Skeletal Samples*. Cambridge: Cambridge University Press. pp. 129-168.
- Wood JW, Holman DJ, O'Connor KA (2001) Did menopause evolve by antagonistic pleiotropy? In M. Schultz (ed.), *Homo—unsere Herkunft und Zukunft*. Gottingen: Cuvillier Verlag. pp. 483-90.
- Holman DJ, Wood JW (2001) Pregnancy loss and fecundability in women. In Ellison PT (ed.) *Reproductive Ecology and Human Evolution*. Hawthorne, NY: Aldine de Gruyter. pp. 15-38.
- Holman DJ, Wood JW, Campbell KL (2000) Age-dependent decline of female fecundity is caused by early fetal loss. Chapter 9 in te Velde ER, Broekmans F, and Pearson P (eds.) *Female Reproductive Ageing. Studies in Profertility series*, Vol 9, Carnforth, UK: Parthenon Publishing Group. pp. 123-136.
- Konigsberg L, Holman DJ (1999) Estimation of age at death from dental emergence and implications for studies of prehistoric somatic growth. In Hoppa RD and Fitzgerald CM (eds.) *Human Growth in the Past: Studies from Bones and Teeth*. Cambridge: Cambridge University Press. pp. 264-289.
- Holub LG, Holman DJ (1990) Interactive computer graphics in civil engineering education. In *Education and Continuing Development for the Civil Engineer*. American Society of Civil Engineers, New York, pg. 358-64.
- Holman DJ (1989) Moving independent study into the 1990s: Tapping communication technologies. *Proceedings of the Fifth Annual Conference on Teaching at a Distance*. University of Wisconsin, Extension, Madison, Wisconsin, pg. 108-13.

### Software and Datasets

- Holman DJ, Ferrell RJ, O'Connor KA, Mormino J, Mansfield PK, Wood JW, Weinstein M (2006) *The Biodemographic Models of Reproductive Aging (BIMORA) Project, 1998-2002, Hormonal, menstrual, and health data for 156 white, U.S. women who also participated in the TREMIN Research Program on Women's Health, Codebook for the BIMORA Restricted-Use Dataset (ICPSR)*. Ann Arbor, Michigan, Inter-university Consortium for Political and Social Research.
- Holman DJ (2003) *mle: A programming language for building likelihood models*. Version 2.1. Volume 1. User's Manual. and Volume 2, Reference Manual. <http://faculty.washington.edu/~djhholman/mle>.

- Holman DJ (2002) *Yetiplus: Demographic database, Matlab thana, Bangladesh, 1974-1982. Codebook and Reference Manual*. Dhaka: International Centre for Diarrhoeal Disease Research, Bangladesh. (Codebook and Data Set).
- Holman DJ, Wood JW (1995) *HETFIT: Maximum likelihood estimates of heterogeneous fecundability and sterility. Software and manual. Working Paper 95-13*, Population Research Institute, The Pennsylvania State University, University Park. <ftp://pop.psu.edu/pub/pop/hetfit>

### **Other publications**

- O'Connor KA, Holman DJ, Brindle E, Barsom SH, Miller RC, Wood JW. (2004) Pregnancy-related sickness and reproductive hormones across pregnancy in rural Bangladesh. Working Paper 04-08 <http://csde.washington.edu/downloads/downloader/dl.pl?id=04-07.pdf>, Center for Studies in Demography & Ecology, University of Washington.
- Holman DJ, Hua H, Harrell S. (2003) Birthspacing and early stopping behavior in Xiaoshan County, Zhejiang Province, China. Working paper 03-04, <http://csde.washington.edu/pubs/wps/03-04.pdf>, Center for Studies in Demography & Ecology, University of Washington.
- Holman DJ (2000) Biology, Culture and Demography: Interdisciplinary Opportunities and Directions in Population Research. *Visions of the Future: New Scientific Opportunities and Emerging Directions in Population Research*. Demographic and Behavioral Sciences Branch, National Institute of Child Health and Development. <http://www.nichd.nih.gov/about/cpr/dbs/sp/holman.htm>.
- Holman DJ (1996) *Total Fecundability and Fetal Loss in Rural Bangladesh*. Doctoral Dissertation, The Pennsylvania State University, University Park.
- Holman DJ, Sardar AM, Alam N, Chowdhury TA, Bokul LN, Wood JW, Campbell KL (1995) Field Methods of the Pennsylvania State University/International Centre for Diarrhoeal Disease Research, Bangladesh Fetal Loss Study. Working Paper 95-14, Population Research Institute, Pennsylvania State University, University Park.
- Holman DJ (1990), Forensic anthropology. *Bulletin of the National Association of Student Anthropologists*, **6**(2):12-4.

### **Book reviews**

- Holman DJ (2004) Review of Bogin B, *The Growth of Humanity*. *American Journal of Physical Anthropology* **123**:292-4. DOI: 10.1002/ajpa.10347
- Holman DJ (2000) Review of Hartl DL and Clark AG *Principles of Population Genetics*. *American Journal of Physical Anthropology* **112**(3):433-5. DOI: 10.1002/1096-8644(200007)

### **Professional presentations**

#### **Meeting presentations and abstracts (\*-invited)**

- Holman DJ (2017) Disentangling Fecundability and Fetal Loss: Implications for Age-specific Fertility. Presentation for the American Association of Physical Anthropologists annual meeting, New Orleans, April 2017.
- O'Connor KA, Ferrell R, Holman DJ (2017) More than just menopause: Processes of female reproductive aging. Presentation for the American Association of Physical Anthropologists annual meeting, New Orleans, April 2017.
- Holman DJ, Basu B (2017) Effects of Famine on Deciduous Tooth Emergence in Rural Bangladeshi Children. Northwest Anthropological Conference, Spokane, April 2017.
- Pan A, Holman DJ, Navarro Y, Basu B, Skalisky C, O'Connor KA (2017) Effects of reproductive hormones on pregnancy-related sickness in rural Bangladeshi women. Northwest Anthropological Conference, Spokane, April 2017.
- Basu B, Holman DJ (2017) Developing cost-effective event-based diaries for low-literacy populations. Northwest Anthropological Conference, Spokane, April 2017.
- O'Connor KA, Neretti N, Bronikowski A, Holman DJ, Tatar M (2012) The timing of the onset and duration of perimenopause in baboons and humans. Presented at the American Association of Physical Anthropologists annual meeting Abstract: *American Journal of Physical Anthropology* **147**(s54): 226.
- Trumble BC, Cummings DK, Holman DJ, O'Connor KA, Gurven MD, Kaplan HS. (2012) Acute changes in male salivary testosterone in response to intense physical activity among Tsimane forager-horticulturalists. 36th Annual Meeting of the Human Biology Association. Abstract: *American Journal of Physical Anthropology* **24**(2):245-6

- Trumble B, Holman DJ, Salisbury R (2009) The hazard of death on Mount Everest: Individual success and death over time. Presented at the American Association of Physical Anthropologists annual meeting, Albuquerque, NM. Abstract: *American Journal of Physical Anthropology*. **48**(3):301.
- Parker D, Holman DJ (2009) An event history analysis of dengue fever outbreaks in eight different regions. Presented at the American Association of Physical Anthropologists annual meeting, Albuquerque, NM. Abstract: *American Journal of Physical Anthropology*. **48**(3):223.
- O'Connor KA, Brindle E, Ferrell RJ, Shofer J, Holman DJ, Miller R, Schechter DE, Mansfield PK, Wood JW, Weinstein M (2007) Estrogen Exposure across the Transition to Menopause. Population Association of America. New York, NY, March 29.
- Achterberg JT, Holman DJ. (2006) Sample size requirements for estimating parameters of the Siler model of human mortality. Annual meeting of the Human Biology Association, Anchorage, AK, 8 Mar. Abstract: *American Journal of Human Biology* **18**(2):250.
- Yamaguchi K, Holman DJ. (2006) Longitudinal analysis of permanent tooth emergence in Japanese children. Annual meeting of the Human Biology Association, Anchorage, AK, 8 Mar. Abstract: *American Journal of Human Biology* **18**(2):282.
- O'Connor KA, Brindle E, Miller RC, Shofer JB, Ferrell RJ, Holman DJ, Mansfield PK (2006) Performance of ovulation detection algorithms using daily and intermittent measures of urinary hormones. Annual meeting of the Human Biology Association, Anchorage, AK, 8 Mar. Abstract: *American Journal of Human Biology* **18**(2):265-266.
- Mattison SM, Brunson EK, Holman DJ, Newell-Morris LL, Streissguth A (2006) Palmar creases: classification, reliability, and the relationship to fetal alcohol spectrum disorders. Annual meeting of the Human Biology Association, Anchorage, AK, 8 Mar. Abstract: *American Journal of Human Biology* **18**(2):262-263.
- Brunson EK, Holman DJ, Newell-Morris LL, Giovas CM, Streissguth A (2006) The reliability of the *atd* angle in dermatoglyphic analysis. Annual meeting of the American Association of Physical Anthropologists. 10 Mar. Abstract: *American Journal of Physical Anthropology* Suppl. **42**:69.
- Achterberg JT, Holman DJ, Grimes MA, O'Connor KA (2005) Postpartum bleeding in rural Bangladeshi women. Annual meeting of the Human Biology Association, Milwaukee, WI, 6 Mar. Abstract: *American Journal of Human Biology* **17**(2):234.
- Brunson EK, Holman DJ, Neill D (2005) Maternal age, paternal age and effective fecundability in rural Bangladesh. Annual meeting of the Human Biology Association, Milwaukee, WI, 6 Mar. Abstract: *American Journal of Human Biology* **17**(2):237.
- Grimes MA, Holman DJ, Brindle E, O'Connor KA (2005) Effects of cortisol, testosterone, and dehydroepiandrosterone (DHEA) on the initiation of breastfeeding in Bangladeshi women. Annual meeting of the Human Biology Association, Milwaukee, WI, 6 Mar. Abstract: *American Journal of Human Biology* **17**(2):242-243.
- Grimes MA, Holman DJ, Brindle E, O'Connor KA (2004) Distributions of postpartum amenorrhea in rural Bangladesh. Human Biology Association, Tampa, FL, 14 Apr. Abstract: *American Journal of Human Biology* **16**(2):206.
- Ferrell RJ, O'Connor KA, Holman DJ, Brindle E, Miller RC, Schechter DE, Gorrindo T, Korshalla L, Simon J, Voda A, Wood JW, Mansfield PK, Weinstein M (2004) The biodemographic models of reproductive aging (BIMORA) project: Methods and steroid hormone and menstrual cycle findings in a five year prospective study of the transition to menopause. Population Association of America, Boston, MA, 2 Apr.
- Campbell KL, O'Connor K, Brindle E, Miller R, Holman DJ (2003) Monitoring of insemination status using DNA in urine sediments: A case study. Society for the Study of Reproduction, Cincinnati. Jul 19-22.
- Holman DJ, Jones RE (2003) Measuring developmental noise in bilateral traits. Human Biology Association, Tempe Arizona. April 25-27. Abstract: *American Journal of Human Biology* **15**:266.
- Grimes MA, Holman DJ, Brindle E, O'Connor KA (2003) Prepartum hormones and initiation of breastfeeding in Bangladeshi women. Human Biology Association, Tempe Arizona. April 25-27. Abstract: *American Journal of Human Biology* **15**:264.
- O'Connor KA, Holman DJ, Brindle E, Miller RC, Schechter DE, Mansfield PK, Weinstein M, Wood JW (2003) Unopposed estrogen across the transition to menopause. Human Biology Association, Tempe Arizona. April 25-27. Abstract: *American Journal of Human Biology* **15**:277.

- Schechter DE, O'Connor KA, Brindle E, Miller RC, Fujita M, Holman DJ, Mansfield PK, Weinstein M, Wood JW, Klein NA (2003) Methodological issues in using menstrual bleed data to estimate menstrual cycle length and reproductive stage. Human Biology Association, Tempe Arizona. April 25-27. Abstract: *American Journal of Human Biology* **15**:282-3.
- Konigsberg LW, Frankenberg SR, Holman DJ (2003) Paleodemography of the Averbuch Site (40DV60). American Association of Physical Anthropologists, Tempe Arizona. April 23-25. Abstract: *American Journal of Physical Anthropology* Suppl 36, 131.
- Tetrick CC, Rees J, Holman DJ (2002) Birth Weight Specific Neonatal Mortality for Native Americans. American Public Health Association, Philadelphia, PA, 9-13 Nov.
- Kuehn C, Newell-Morris L, Holman D, Streissguth A (2002) Handedness and directional dermatoglyphic asymmetry in individuals exposed to alcohol prenatally. American Association of Physical Anthropologists, Buffalo, NY. Abstract: *American Journal of Physical Anthropology* Suppl 34, 98.
- Holman DJ, O'Connor KA, Brindle E, Wood JW, Mansfield PK, Weinstein M (2002) Ovarian follicular development in postmenopausal women. Human Biology Association, Buffalo, NY. Abstract: *American Journal of Human Biology* **14**(1):33.
- Wood JW, Ferrell RJ, DeWitte-Aviña SN, Holman DJ (2002) Mortality differentials during the Black Death in England, 1348-50: A reassessment. Human Biology Association, Buffalo, NY. Abstract: *American Journal of Human Biology* **14**(1):90.
- Neill DB, Holman DJ (2002) The effects of famine, maternal age, and paternal age on fetal loss in rural Bangladesh. Human Biology Association, Buffalo, NY. Abstract: *American Journal of Human Biology* **14**(1):62.
- \*Holman DJ, Wood JW, O'Connor KA (2001) Fecundability, Pregnancy Loss, and Female Reproductive Aging. Gerontological Society of America, Chicago, Nov 16.
- Tetrick CC, Rees J, Holman DJ (2001) Birth weight specific neonatal mortality for Native Americans: In search of optimal birth weight. American Public Health Association. Atlanta, 21-25 Oct.
- Nuckley NB, Holman DJ, Jones RE (2001) Evaluation of mortality bias in deciduous tooth emergence, and implications for paleodemographic age estimation. American Association of Physical Anthropology, Kansas City, MO. Abstract: *American Journal of Physical Anthropology* Suppl 32, 114.
- O'Connor KA, Brindle E, Schechter DE, Benson KB, Holman DJ, Klein NA, Soules MR (2001) Comparison of ultrasound data with four urinary and serum reproductive hormone markers of ovulation. Human Biology Association, Kansas City, MO. Abstract: *American Journal of Human Biology* **13**(1):135-6.
- Grimes MA, Holman DJ (2001) Human variation in early breastfeeding behavior. Human Biology Association, Kansas City, MO. Abstract: *American Journal of Human Biology* **13**(1):122.
- \*Wood JW, Holman DJ, O'Connor KA (2000) The evolution of menopause by antagonistic pleiotropy. German Anthropological Society (joint session with the American Association of Physical Anthropologists) Potsdam, Germany, Aug. Abstract: *Homo* **51**:S149.
- \*Holman DJ, O'Connor KA, Wood JW (2000) Human reproductive aging. American Association of Physical Anthropologists and American Association of Anthropological Genetics, San Antonio, 12-15 Apr. Abstract: *American Journal of Physical Anthropology* Suppl. 30, 182.
- Usher BM, Boldsen J, Holman DJ. (2000) Age estimation at Tirup Cemetery: An application of the transition analysis method. American Association of Physical Anthropologists, San Antonio, Texas. 12-15 Apr. Abstract: *American Journal of Physical Anthropology* Suppl. 30: 307.
- Steele MS, Holman DJ (2000) Age at menopause in rural Bangladesh. Human Biology Association, San Antonio, Apr. 11. Abstract: *American Journal of Human Biology* **12**(2):271.
- \*Holman DJ (1999) Age-dependent decline in fecundity is due to early fetal loss. Female Reproductive Ageing: 10th Reinier de Graaf Symposium. Zeist, The Netherlands, 9-11 Sept.
- Grimes MA, Holman DJ (1999) Colostrum feeding behavior and initiation of breastfeeding in rural Bangladesh. American Association of Physical Anthropologists, Columbus, OH, 25 Apr. Abstract: *American Journal of Physical Anthropology* Suppl. 28:140-1
- \*Wood JW, O'Connor KA, Holman DJ (1999) Biodemographic models of menopause. Human Biology Association, Columbus, OH, 26-28 Apr. Abstract: *American Journal of Human Biology* **11**(1):182.

- \*Konigsburg L, Holman DJ (1998) Theoretical and methodological issues in the study of prehistoric human somatic growth. American Anthropological Association, Philadelphia, 2-6 Dec.
- \*Holman DJ, O'Connor KA, Wood JW, Boldsen J (1998) Estimating population growth rates from skeletal samples. American Anthropological Association, Philadelphia, 2-6 Dec.
- \*Wood JW, Holman DJ, O'Connor KA (1998) Modeling Malthus: Dynamic implications of the principle of population. American Anthropological Association, Philadelphia, 2-6 Dec.
- \*O'Connor KA, Holman DJ, Brindle E, Barsom SH, Wood JW (1998) Reproductive hormones and pregnancy-related sickness in a prospective study of Bangladeshi women. American Association of Physical Anthropologists, Salt Lake City, 2-4 Apr 1998. Abstract: *American Journal of Physical Anthropology* Suppl. 26:172.
- Konigsberg LW, Holman DJ, Jones RE (1998) Multivariate probit analysis of deciduous dental emergence. American Association of Physical Anthropologists, Salt Lake City, 2-4 Apr 1998. Abstract: *American Journal of Physical Anthropology* Suppl. 26:139-140.
- Brindle E, O'Connor KA, Holman DJ, Kohen F, Campbell KL, Stroud CM, Munro CJ, Lasley BL, Wood JW (1998) Validations of urinary enzyme immunoassays for population-based reproductive ecology research. Human Biology Association, Salt Lake City, 1-2 Apr 1998. Abstract: *American Journal of Human Biology* 10(1):118.
- \*Wood JW, O'Connor KA, Holman DJ (1998) Natural human fertility: Explaining the 'universal' age pattern. American Association for the Advancement of Science, Philadelphia, 12-17 Feb.
- \*Wood JW, Holman DJ, O'Connor KA (1997) Age and female reproductive function: Identifying the most important biological determinants. International Union for the Scientific Study of Population, Conference on Biodemography, Max Planck Institute, Rostock, 14 Jun.
- Campbell KL, Holman DJ (1997) Thyroxine, T4, and triiodothyronine, T3, distribution among binding components (Thyroid binding globulin, TBG; Albumin, A, Prealbumin, P; and Free, F) and binding protein level shifts. The Endocrine Society, Minneapolis, 11-14 Jun.
- \*Holman DJ, O'Connor KA, Wood JW, Boldsen JL (1997) Correcting for nonstationarity in paleodemographic mortality models. American Association of Physical Anthropologists, St. Louis, 3-5 Apr. Abstract: *American Journal of Physical Anthropology* Suppl. 24:132.
- \*O'Connor KA, Holman DJ, Boldsen J, Wood JW, Gage TB (1997) Competing and mixed hazards models of mortality: osteological applications. American Association of Physical Anthropologists, St. Louis, 3-5 Apr. Abstract: *American Journal of Physical Anthropology* Suppl. 24:180.
- Holman DJ, O'Connor KA, Brindle E, Barsom SH, Wood JW, Campbell KL (1997) A model of time to fecund ovulation following fetal loss. Human Biology Association, St. Louis, 1-2 Apr. Abstract: *American Journal of Human Biology* 9(1):132.
- \*Holman DJ (1997) Stress-related anovulation and early menopause in Bangladeshi women. American Association for the Advancement of Science, Seattle, 13-18 Feb.
- Holman DJ, Wood JW, Campbell KL (1996) Human total fecundability and fetal loss. Population Association of America, New Orleans, 9-11 May.
- Holman DJ, Kurland JA (1996) Are high-ranking female baboons at higher risk of fetal loss?. American Association of Physical Anthropologists, Durham, 11-13 Apr. Abstract: *American Journal of Physical Anthropology*, Suppl. 22:127-8.
- Holman DJ, Wood JW, Campbell, KL (1995) A pregnancy test modified for field studies of fetal loss. The Endocrine Society, Washington, DC, 15 Jun.
- \*Holman DJ, Wood JW, Campbell KL (1995) A prospective study of fetal loss in rural Bangladesh. Population Association of America, San Francisco, 8 Apr.
- O'Connor KA, Holman, DJ (1995) Pregnancy-related sickness and fetal loss in rural Bangladesh. Population Association of America, San Francisco, 7 Apr.
- Brindle E, Holman DJ, Stroud CM, Wood JW, Campbell KL (1995) Field collection and hormonal analysis of urine samples. American Association of Physical Anthropologists, Oakland, 1 Apr. Abstract: *American Journal of Physical Anthropology*, Suppl. 20, pg. 68.
- Holman DJ, Jones RJ (1995) Parametric survival analysis of deciduous tooth emergence in four populations. American Association of Physical Anthropologists, Oakland, 1 Apr. Abstract: *American Journal of Physical Anthropology*, Suppl. 20, pg. 113.

- O'Connor KA, Holman DJ (1995) Comparison of maximum likelihood and Bayesian tooth age-at-death distributions. American Association of Physical Anthropologists, Oakland, 31 Mar. Abstract: *American Journal of Physical Anthropology*, Suppl. 20, pg. 163.
- \*Holman DJ, Stroud CM, Wood JW (1994) A life course approach to pregnancy loss. American Association of Physical Anthropologists, Denver, 31 Mar-2 Apr. Abstract: *American Journal of Physical Anthropology*, Suppl. 18, pg. 108-109.
- \*Wood JW, Stroud CM, Holman DJ (1994) The genetics of menopause. Abstract: *American Journal of Physical Anthropology*, Suppl. 18, pg. 210. (Presentation withdrawn).
- O'Connor KA, Holman DJ (1993) Pregnancy-related sickness in rural Bangladesh, American Anthropological Association, Washington D.C., 15-19 Nov.
- LeFor B, Holman DJ, Buchanan AV, Wood JW (1993) Seasonality of marriage and first birth in the Old Order Amish. American Association of Physical Anthropologists, Toronto, 14-17 Apr. Abstract: *American Journal of Physical Anthropology*, Suppl. 15, pg. 132.
- Jones RE, Holman DJ (1993) Nutritional, disease, and socioeconomic correlates of deciduous tooth emergence. Abstract: *American Journal of Physical Anthropology* Suppl. 15, pg. 119-120. (Presentation withdrawn).
- \*Wood JW, Holman DJ, LeFor B (1992) Genetic issues in reproductive ecology. American Anthropological Association, San Francisco, 2-6 Dec.
- Holman DJ, Steven DC, Zaldivar ME, Harpending HC (1992) Assessing maternal investment strategies from inter-birth intervals. American Association of Physical Anthropologists, Las Vegas, 1-4 Apr. Abstract: *American Journal of Physical Anthropology* Suppl. 14, pg. 91.
- Holman DJ, Mukherjee A, Connor AC, Jones RE (1992) Fluctuating asymmetry in the timing of deciduous tooth emergence. Human Biology Council, Las Vegas, 31 Mar-1 Apr. Abstract: *American Journal of Human Biology* 4(1):143-144.
- Holman DJ, Shell BK, Wood JW (1991) Physiological correlates of long ovarian cycles in the Gainj of Papua New Guinea. American Association of Physical Anthropologists, Milwaukee, 3-6 Apr. Abstract: *American Journal of Physical Anthropology* Suppl. 12, pg. 94.
- Jones RE, Holman DJ (1991) Longitudinal analysis of deciduous tooth emergence in Japanese children. American Association of Physical Anthropologists, Milwaukee, 3-6 Apr. Abstract: *American Journal of Physical Anthropology* Suppl. 12, pg. 101.
- Holman DJ, Steven DC (1990) Ethnic grouping from long bones of the arm. American Association of Physical Anthropologists, Miami, 4-7 Apr. Abstract: *American Journal of Physical Anthropology* 81(2):241-242.
- Jones RE, Holman DJ (1990) Emergence of deciduous dentition in Indonesian children. American Association of Physical Anthropologists, Miami, 4-7 Apr. Abstract: *American Journal of Physical Anthropology* 81(2):245-246.
- Holub LG, Holman DJ (1990) Computer modeling techniques to improve the efficiency of distribution system field procedures, National Conference and Exposition on Water Supply Solutions for the 1990s (CONSERV 90), Phoenix, 12-15 Aug.
- Holman DJ (1989) Moving independent study into the 1990s: Tapping communication technologies, Fifth Annual Conference on Teaching at a Distance, Madison, 8-10 Aug.

### Workshops

- Holman DJ (2015) Discussant: Is Human Fecundity Changing? NICHD, Division of Intramural Population Health Research, NIH Campus, Bethesda, MD, September 10–11.
- Holman DJ (2006) Aging the Basel Sample. Workshop in Paleodemographic Aging Methods. Max Planck Institute for Demographic Research and the Museum of Natural History Basel. April 6-7, Baden, Switzerland.
- Holman DJ (2004) Simulating day-specific probabilities of conception and rates of early pregnancy loss in the presence of ovulation information but absence of daily coital information. Workshop on expanding methodologies for capturing day-specific probabilities of conception. National Institute of Child Health and Development. Bethesda, Maryland D.C., 17-18 May.
- Holman DJ (2004) Aging the Lauchheim sample. Workshop: The Basics in Paleodemography: Calibration of Age Indicators in the Early Medieval Skeletal Sample of Lauchheim. Max Planck Institute for Demographic Research. Lauchheim, Germany, 18 Mar.



- Holman DJ (2003) Biodemographic models of reproductive aging. Workshop and symposium on TREMIN's Research Contributions to Menstrual Cycle Research Over 70 Years, The Pennsylvania State University, University Park, PA, Oct. 17.
- Holman DJ, Usher B, Milner G, Boldsen J, Konigsberg L (2002) Empirical and simulation study of the multivariate latent trait method. Third International Workshop on Future Directions in Paleodemography, Max Planck Institute, Rostock Germany, June 6-8.
- Holman DJ, Wood JW, O'Connor KA (2000) Estimating age-at-death distributions from skeletal samples: A multivariate latent trait approach. Follow-up Workshop on Human Longevity in the Past: New Approaches to Reconstructing Prehistoric Mortality. Max Planck Institute for Demographic Research 4-5 Aug.
- Holman DJ (2000) Biology, culture and demography: Interdisciplinary opportunities and directions in population research. *Visions of the Future: A town meeting on new directions in population research*. Demographic and Behavioral Sciences Branch, National Institute of Child Health and Development. Held at the annual meeting of the Population Association of America, Los Angeles, 22 Mar.
- Holman DJ, Wood JW, O'Connor KA. (1999) Estimating age-at-death distributions from skeletal samples: A multivariate latent trait approach. Workshop on Mathematical Modeling for Palaeodemography: Coming to Consensus. Max Planck Institute for Demographic Research, Rostock, Germany, 9-11 Jun.
- O'Connor KA, Holman DJ (1997) Declining fecundity with age in natural fertility populations. Workshop on Ovarian Ageing, Utrecht, 14-16 Nov.

### Seminars

- Holman DJ, Basu B (2014) *Effects of prenatal famine exposure on deciduous tooth eruption*, Biological Anthropology Seminar Series. 29 Oct.
- Holman DJ (2012) *Etiological Models for Measuring Developmental Noise in Bilateral Traits*, IGERT Program in Evolutionary Modeling seminar, 27 Jan.
- Holman DJ (2011) *Modeling Immortality*, Center for Statistics and the Social Sciences seminar, 1 Jun
- Holman DJ (2007) Total Fecundability, Total Pregnancy Loss and the Female Reproductive Lifespan, Carolina Population Center, University of North Carolina, 2 Nov.
- Holman DJ (2005) *Female reproductive aging or "Why do women live so long beyond the reproductive lifespan?"* Department of Anthropology, University of Tennessee, Knoxville..
- Holman DJ (2005) *Assessing Biological Mortality Bias or "How well do the dead represent the living?"* Department of Anthropology, University of Tennessee, Knoxville. 28 Sept.
- Holman DJ (2004) *Deconstructing symmetry*. Center for Statistics and the Social Sciences Seminar Series, University of Washington, 18 Feb.
- Miller I, Holman DJ (2002) *Regression-based prediction of energy expenditure in children living at high altitude in Bolivia*. Biocultural Anthropology Seminar Series, Department of Anthropology, University of Washington. 20 Nov.
- Harrell S, Wang D, Holman DJ (2001) Were the late Imperial Chinese a natural fertility population? Center for Studies in Demography and Ecology, University of Washington, 13 Apr.
- Holman DJ (2000) Total fecundability and fetal loss. Reproductive Medicine Seminar, Department of Obstetrics and Gynecology, University of Washington, 16 Jun.
- Holman DJ (2000) Human variation in age at menopause. Department of Anthropology, Pennsylvania State University, 5 May 2000.
- Holman DJ (2000) Colostrum feeding behavior and initiation of breastfeeding in rural Bangladesh. Center for the Study of Demography and Ecology, University of Washington 28 Jan.
- Holman DJ (1999) Age-specific total fecundability and fetal loss in Bangladeshi women. Center for Statistics in Social Science seminar, University of Washington, 24 Nov.
- Holman DJ (1998) Age and fecundity in natural fertility populations. Department of Anthropology, Harvard University, 27 Feb; University of Washington, Department of Anthropology, 3 Mar.
- Holman DJ (1997) Human total fecundability and fetal loss. Center for the Study of Demography and Ecology, University of Washington, 14 Feb.

- Holman DJ (1996) Human fecundability and fetal loss. Department of Biology, University of Massachusetts, Boston, 15 Mar; Sex Night Seminar Series, Pennsylvania State University, 28 Mar.
- Holman DJ (1994) A prospective study of fetal loss in rural Bangladesh. 1994 Symposium for the Paul Baker Lecture. Pennsylvania State University, 11 Oct.
- Holman DJ (1994) The demography of fetal loss. Population Research Institute, Pennsylvania State University, 20 Sep.
- Holman DJ, O'Connor KA (1993) Fetal loss and pregnancy-related sickness in rural Bangladesh. Centre for Development Research Bangladesh, Dhaka, 28 Dec.
- Holman DJ (1993) The Penn State/ICDDR,B fetal loss project: Overview and preliminary results. International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, 5 Dec.

### **Fellowships and honors**

- 2000 Speaker and panel discussant at *Visions of the Future: A town meeting on new directions in population research*. Demographic and Behavioral Sciences Branch, National Institute of Child Health and Development. Held at the annual meeting of the Population Association of America, Los Angeles, 22 Mar.
- 1995 NIH-NICHD NRSA Postdoctoral Fellowship (see *Research grants*).
- 1994 Predoctoral Fellowship, Population Council, for dissertation write-up.
- 1993 Predoctoral Research Fellowship, American Institute of Bangladesh Studies, for fieldwork in Bangladesh.
- 1990 Honorable Mention, National Science Foundation Graduate Research Fellowship Competition.

### **Research grants**

- 2017-2018 *Effect of nutrition on ovarian aging in Bangladeshi women*. NSF Doctoral Dissertation Improvement Grant. DJ Holman [PI], B Basu. \$17,004 direct costs.

### **Past**

- 2011-2012 *Population Structure and Large-Scale Cooperation in Pohang, South Korea*. NSF Doctoral Dissertation Improvement Grant. DJ Holman [PI], J Kim. \$14,761 total costs.
- 2009-2011 *Biodemographic Tools for Investigating Postpartum Amenorrhea*. NIH/NICHD (1 R21 HD052081-01A1). Investigators: DJ Holman [PI], KA O'Connor, MA Grimes, RE Jones. \$404,212 total costs.
- 2005-2010 *International Kuril Island Paleobiogeography Project: Dynamics of Human and Natural Systems in Historic Perspective*. NSF (Biocomplexity) ARC-0508109. Co-investigator with Fitzhugh B [PI], \$2,508,750 total costs.
- 2003-2006 *Effects of Prenatal Alcohol Exposure on Dermatoglyphic Traits*. NIH NIAAA (R21-AA013704). Investigators: DJ Holman [PI], L Newell-Morris, \$300,000 direct costs
- 2002-2003 *Fluctuating Asymmetry and Prenatal Exposure to Alcohol*. Funded by: University of Washington, ADAI. Investigators: Newell LL [PI], Holman DJ, \$19,036.
- 1997-2003 *Biodemographic Models of Reproductive Aging*. Funded by: NIH: NIA, 1 R01 AG15141. Investigators: JW Wood [PI], KA O'Connor, DJ Holman, P Mansfield. \$1,460,446 direct costs.
- 1999-2003 Subcontract of *Biodemographic Models of Reproductive Aging*. Funded by: Penn State University (NIA), 1701-UW-DHHS-15141. Investigators: KA O'Connor [PI], DJ Holman. \$628,839 direct costs.
- 2001-2003 *The Chinese Demographic Transition: The Case of Xiaoshan, Zhejiang Province*. Funded by: NSF, BCS-0003918. Investigators: S Harrell [PI], D Wang, DJ Holman. \$50,000.
- 1996-1997 *The Biodemography of Birthspacing in Bangladesh*. Funded by: Population Research Institute (NIA supplement to PRI's P30 Center Grant), Biodemography Initiative Grant. Investigators: JW Wood [PI], DJ Holman, CM Stroud, KA O'Connor, RE Jones, \$29,826.
- 1996-1997 *Pregnancy-related Sickness in Rural Bangladesh*. Funded by: NSF SBR-9600690. Investigators: KA O'Connor, JW Wood [PI], DJ Holman, CM Stroud, \$38,127.
- 1995-1998 *Ovarian Function in Rural Bangladeshi Females*. Funded by: NIH: NICHD (Individual National Research Service Award), 1F32 HD07994, Investigators: DJ Holman [PI], JW Wood, \$74,908.

- 1992-1993 *Effects of Fetal Loss on Birthspacing in Rural Bangladesh*, Funded by: NSF, DBS-92-18734 (Dissertation Improvement Grant). Investigators: DJ Holman, JW Wood [PI], \$12,000.
- 1992-1993 *Effects of Fetal Loss on Birthspacing in Rural Bangladesh*. Funded by: Population Research Institute, Pennsylvania State University. Mellon Foundation Dissertation Research Grants on International Demographic Issues, \$10,000.
- 1992-1993 *Fetal Loss and Birthspacing in Rural Bangladesh*. Funded by: Hill Foundation (Anthropology Department, Pennsylvania State University), Dissertation research grant, \$4,150.

## Teaching

### University of Washington

- BIO A 201, Department of Anthropology, *Introduction to Biological Anthropology*. 5 credits, Winter 2002.
- BIO A 382, Department of Anthropology, *Human Population Biology*. 3 credits, Winter 2001.
- BIO A 469, Department of Anthropology, *Seminar in Evolutionary Theory*. 3 credits, Autumn 2002, 2004, 2006.
- BIO A 469, Department of Anthropology, *Models of Social Evolution*. 3 credits, Spring 2014.
- BIO A 482, Department of Anthropology, *Human Population Genetics*. 5 credits, Autumn 1999, 2001, 2003, 2007-2016, Winter 2006, 2007, Spring 2016.
- BIO A 526, Department of Anthropology, *Quantitative Methods and Modeling for Biocultural Anthropology*. 5 credits, Winter 2000, Spring 2003, 2010, 2011, Winter 2005.
- BIO A 568, Department of Anthropology, *Human Reproductive Ecology*. 3 credits, Autumn 2000, Spring 2004, 2013.
- BIO A 584 Department of Anthropology, *Topics in Ecology and Adaptation*. 3 credits, Spring 2004, (Course co-instructor with B. Shell-Duncan).
- BIO A 590 Biological Anthropology Seminar Series, Autumn 2005, 2014.
- CSS&S 544 Event History Analysis for the Social Sciences, Spring 2006, 2007, 2008, Winter 2009-2017.

### University of Wisconsin

- CEE 325, Department of Civil Engineering, University of Wisconsin—Madison, *Design of Water Distribution and Waste-Water Collection Systems*, 3 credits, Spring 1989. (Course co-instructor with LG Holub).

### Curriculum and infrastructure grants

- 2016 *Update poster printing services for students at CSSCR*. Funded by: Student Technology Fee Committee. \$2,733 (w/ Jeff Rud).
- 2015 *Upgrading General Access Labs at CSSCR*. Funded by: Student Technology Fee Committee. \$216,263 (w/ Jeff Rud).
- 1989 *Development of a LISP programming course*. Funded by: University of Wisconsin-Extension. Curriculum and Program Development Initiative. Holman DJ, Gritzmacher D, Smith TW. \$22,200.
- 1988 *CD-ROM-based delivery of instructional materials for professional development courses*. Funded by: College of Engineering, University of Wisconsin-Madison. Capital Expenditure Grant. Dries W, Holman DJ. \$7,000.

## Students

### Postdoctoral advisor

- Shenk Mary. Center for Studies in Demography and Ecology, University of Washington. Ruth M. Kirchner National Research Service Award (Co-advisor Shelly Lundberg). *Evolutionary Studies of Marriage and Parenting*, 2005.

### PhD completed

- Usher, Bethany. Anthropology, Pennsylvania State University. *Health and Mortality at Tirup: An Application of a Multi-State Model*. Committee member. PhD awarded Summer 2000.

- Reason, Letitia. Anthropology, University of Washington, Seattle. *Cultural Evolutionary Processes and the Transmission of Attitudes Toward Female Genital Cutting Among the Kassena-Nankana of Northern Ghana*. Committee member, PhD awarded Fall 2002.
- Rees, Jane M. Department of Anthropology, University of Washington, Seattle. *A Life History Examination of the Growth vs. Reproductive Effort Trade-Off in African American Adolescent Primigravidas*. Committee member, PhD awarded Winter 2004.
- Kuecken, Michael. Mathematics, University of Arizona *On the Formation of Fingerprints*, Outside reviewer. PhD awarded Spring 2004.
- Steele, Matthew A. Anthropology, University of Washington, Seattle. *Male Microbicides, Genital Hygiene and HIV Risk Behavior*. Committee member. PhD awarded Spring 2004.
- Sarton-Miller, Isabelle. Anthropology, University of Washington, Seattle. *Estimation of Net Energy Expenditure in Exercising Children: A Simple and Non-Invasive Approach Using Delta HR and Regression Modelling*. Committee member. PhD awarded Spring 2005.
- Kushnick, Goeff. Department of Anthropology, University of Washington, Seattle. *Phenotypic Resolution of Parent-Offspring Conflict*. Committee member. PhD Awarded Aug 2006
- Neill, Dawn. Anthropology, University of Washington, Seattle. *The Effect of Urbanization on Parental Investment Decisions among Fiji Indians*. Committee member. PhD awarded Aug 2007
- Nolin, David A, Anthropology, University of Washington, Seattle. *Social Network Analysis of Food Sharing in Lamalera*. Committee member. PhD awarded Aug 2007
- Alkema, Leontine, Statistics, University of Washington, Seattle. Committee member (GSR). *Probabilistic Projections of Fertility Using a Bayesian Hierarchical Model*. Degree awarded September 2008.
- Bailey, Amy K, Sociology, University of Washington, Seattle. Committee member (GSR). *The Effect of Veteran Status on Spatial and Socioeconomic Mobility: Outcomes for Black and White Men in the Late 20th Century*, Degree awarded 2008.
- Thomas, Jason Ramone. Sociology, University of Washington, Committee member (GSR). *The Demographic Impact of HIV/AIDS in sub-Saharan Africa*. Degree awarded June 2009.
- Wyckoff, Sara. Anthropology, University of Washington, Seattle. *The Strategy of Infant Carrying and its Influence on Attainment of Developmental Motor Sequences in Papua New Guinea*. Committee member. Degree awarded June 2010.
- Young, Jacob TN. Sociology, University of Washington. Committee member (GSR). *Correlation, Causation, and the Relationship between Peers and Delinquency: Social Networks and Causal Mechanisms*. Degree awarded June 2011.
- Trumble, Benjamin C. Anthropology, University of Washington. Committee member. *The role of energetics and testosterone in male life history strategy*. Degree awarded June 2012
- Sumant Kumar Rai, Economics, University of Washington, Seattle. Committee member (GSR). *Essays on Social Capital and Economic Growth*. Degree awarded September 2012.
- Garcia-Castanon, Marcela, Political Science, Committee member (GSR). *Theory of Multi-Tiered Membership*. Degree awarded September 2013.
- Kim, JunHong. Anthropology, University of Washington, *Population structure and large scale cooperation in Pohong, South Korea*. Advisor, Committee chair. Degree awarded September 2013.
- Robbins, Blaine. Sociology, University of Washington, Committee member (GSR). *On the Origin of Trust*. Degree awarded June 2014.
- Leiser, Stephanie. Daniel J. Evans School of Public Affairs, University of Washington, Committee member (GSR). *Essays on State Business Tax Incentives and Policy Diffusion*. Degree awarded September 2014.
- Cooper, Elizabeth L. Political Science, University of Washington, Committee member (GSR). *Threat, Citizenship and Sexual Orientation: Developing and Measuring the Concept of Gay Threat*. Degree awarded September 2014.
- Margherio, Cara L. Sociology, University of Washington, Committee member (GSR). *Fatal attraction: HIV/AIDS and family formation in southern Africa*. Degree awarded June 2015
- Garcia-Rios, Sergio, Political Science, Committee member (GSR). *Perennial and Situational: A Study of Immigrant Identity Formation and Transformation*. Degree awarded September 2015.

- Liddle, Stephanie. Department of Sociology, Committee member (GSR). *Research, Policy, and Structural Inequalities of the No Child Left Behind Act in California Public Schools*. Degree awarded September 2015.
- Grunspan, Daniel. Anthropology, University of Washington. Committee member. *A Biocultural Examination of Student Learning Behaviors in Large Undergraduate Lectures*. Degree awarded September 2016
- MacQuarrie, Kerry. Department of Sociology, University of Washington. Committee member (GSR). *Marriage Timing, Gender Context, and Early Family Formation*. Degree awarded, March 2017.
- Beam, Colin. Department of Psychology, Committee member (GSR). *Models of human causal learning: review, synthesis, generalization*. Degree awarded, March 2017.
- Polimis, Kivan, Department of Sociology, Committee member (GSR). *Understanding Health Inequalities with Computational Social Science*, Awarded September 2017
- Rutledge, Laine Marie, Department of Economics, Committee member (GSR). *Essays on Labor Market Outcomes for Women in Developing Countries*. Awarded September 2017

### **Masters completed**

- Tetrick, Crystal C. Maternal and Child Health Department, University of Washington. *Birth Weight Specific Neonatal Mortality for Native Americans*. MPH committee member. Degree awarded Summer 2001.
- Kuehn, Carrie M. Department of Anthropology, University of Washington, *Dermatoglyphic Asymmetry and Handedness in Individuals Exposed to Alcohol Prenatally*. MA committee member. Degree awarded Fall 2002.
- Yamaguchi, Kyoko. Department of Anthropology. *Longitudinal analysis of permanent tooth emergence in Japanese children*. MA committee chair. Degree awarded Winter 2006.
- Schruth, David M. Department of Anthropology, University of Washington. *Melodic Display as an Honest Signal of Remote Targeting Ability: A Meta-Analysis of the Correlated Evolution of Locomotion and Vocalization in Primates* MA committee chair. Degree awarded Fall 2006.
- Ouchida, Misaki, Department of Anthropology, University of Washington. MA committee member *PaleoArt*. <http://www.misakiouchida.com/#!/paleo-art/c1t70>. Degree awarded Summer 2015
- Leverso, John, Tell me who you hang with and I'll tell you what you are: Gang identity, organization, and desistance, June 2016.

### **Undergraduate research**

- Navarro, Yesenia, Anthropology, *Food aversions during pregnancy in rural Bangladeshi women*. Directed research presented at the Undergraduate Research Symposium, University of Washington, May 2017.
- Grace Burgin, University Honors, ad hoc honors thesis advisor, *Making population genetics accessible*. Winter 2017
- Johnson, Megan, Anthropology, *An existence of coequality amidst a culture bound by the social conventions of caste*. (Awarded department's *Best Honors Thesis in Anthropology 2015-2016*) BA Honors thesis adviser.
- Rose, Heather. Department of Anthropology, University of Washington. *Effects of famine and covariates in Bangladeshi children*. Degree awarded Spring 2011. Senior thesis advisor.
- Schruth, David M. Department of Anthropology, University of Washington. *Estimation of the age of the most recent common ancestor of five highly polymorphic ~1kb human genomic loci: a test of the late total replacement theory of modern human origins*. (Awarded department's *Best Biocultural Honors Thesis, 2002*). BA Honors thesis advisor. Degree awarded Spring 2002.
- Parker, Daniel. Department of Anthropology, University of Washington. *Environmental correlates of dengue fever outbreaks*. (Awarded department's *Curtis Wienker award for best Biocultural anthropology essay, 2009*; *Juan Comas Award for student research, American Association of Physical Anthropologists Annual Meeting, Albuquerque, NM, 2010*). BA Honors thesis advisor. Degree awarded Spring 2009.

### **Professional activities**

#### **Service**

- 2016-17            Chair, search committee, Department of Anthropology, University of Washington, Assistant Professor in Human Evolutionary Biology.
- 2016-17            Chair, ad hoc review committee, Center for Statistics and the Social Sciences.

- 2016 Chair, search committee, Department of Anthropology, University of Washington, Research Assistant Professor, Biocultural Anthropology.
- 2014-15 Search committee for Director, Center for Studies in Demography and Ecology, University of Washington.
- 2011-15 Acting co-Director (with Ben Fitzhugh), IGERT Program in Evolutionary Modeling, Department of Anthropology, University of Washington.
- 2010-13 Deputy Editor, *Demography*.
- 2010- Faculty Affairs Committee, Department of Anthropology, University of Washington. (Chair from 2013-2016)
- 2005-2016 Chair, Graduate Committee. Center for Statistics and the Social Sciences, University of Washington.
- 2002-2016 Executive Committee, Center for Statistics and the Social Sciences, University of Washington.
- 2012 Member, search committee, Department of Anthropology, University of Washington, lecture in biocultural anthropology and archeology.
- 2010 Chair, search committee, Department of Anthropology, University of Washington, junior faculty position, anthropological genetics.
- 2010 Search committee, Center for Statistics and the Social Sciences, University of Washington, junior faculty position, joint appointment with Statistics and a social sciences department.
- 2009 National Institutes for Aging, P01 Review panel, Nov.
- 2008 Chair, search committee, Department of Anthropology, University of Washington, faculty position, paleoanthropology.
- 2006-2014 Coordinator, Biocultural Anthropology, Department of Anthropology, University of Washington.
- 2005-2009 Temporary Member of the Population Research Subcommittee: Demographic and Behavioral Sciences Branch of the National Institute of Child Health and Human Development (Mar, Jun 2005; Jun 06; Mar, Nov 07; Mar, Jun 08).
- 2005-2008 Chair, Resources committee. Department of Anthropology, University of Washington.
- 2005-2008 Chair, Computing Advisory Committee, Center for Studies in Demography and Ecology, University of Washington.
- 2003 Member, search committee, Center for Statistics and the Social Sciences, University of Washington, junior faculty position, joint appointment with Statistics and a social sciences department.
- 2002 Teaching Effectiveness Committee, Department of Anthropology, University of Washington.
- 2002 Search committee, Center for Statistics and the Social Sciences, University of Washington, junior faculty position, joint appointment with Statistics and a social sciences department.
- 2002-2005 Director of Computing, Center for Studies in Demography and Ecology, University of Washington.
- 2000-2008 Advisory Board, Center for Studies in Demography and Ecology, University of Washington.
- 2000 Computer Support Search Committee (chair), Department of Anthropology, University of Washington.
- 1999-2002 Computing Committee (chair), Department of Anthropology, University of Washington.
- 1997-1999 Computer Core Advisory Committee, Population Research Institute, Pennsylvania State University.
- 1997 Biodemography Initiative Grant Review Committee, Population Research Institute, Pennsylvania State University.