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University Affiliation: Professor *Emerita*, University of Washington, Department of Anthropology

Profile

My career as a biological anthropologist and professor focused on human biology and behavior from an evolutionary perspective. Using demography (measures of fertility and mortality) and biology (hormone measures, bone measures) I researched, wrote and taught about human female reproductive biology, female reproductive aging, human mortality patterns, and men's health. My research used cutting edge technology, biology, and mathematical models, and developed novel and widely adopted methods to expand research and knowledge horizons. My guiding paradigm was linking the population level perspective of demography and evolution with the micro-level details of behavior and biology. I founded and ran a highly regarded and successful biomarkers research lab, which helped fund, teach, train, and support undergraduate, masters, and PhD students from Anthropology, Biology and many other fields, universities and countries. I contributed to national discussions on reproductive aging, and men's health, and used my laboratory for recruiting, funding and promoting women and under-represented groups in science. Current retired activity includes research on fertility determinants in Japan, and as an advocate for men's health.

Research and Teaching Areas

Demography, biodemography, human male and female reproductive biology and ecology, female reproductive aging, human mortality patterns and correlates; men's health and health behavior; laboratory methods; paleodemography.

Academic Theoretical Frameworks: Evolutionary Theory, Behavioral Economics, Demographic Theory, Health Behavior Models, Mathematical models of human biology, Fun Theory.

Academic Specialty Areas: Human evolutionary biology and behavior; Men's health behavior; male & female reproductive biology; human fertility and ecology; reproductive aging, aging and senescence; biodemography/demography; human modern, historic and prehistoric mortality patterns; biological anthropology; anthropology.

Education and Training

1995-1998	National Institutes of Health-National Institute on Aging, Postdoctoral Fellowship, Population Research Institute, Pennsylvania State University
1995	Ph.D. Anthropology, State University of New York at Albany
1987	M.A. Anthropology, State University of New York at Albany
1984	B.A. Biology, State University of New York at Albany

Professional Positions

2016-present	Professor <i>Emerita</i> , Department of Anthropology, University of Washington (UW)
2012-2015	Professor, Department of Anthropology, UW
2005-2012	Associate Professor, Department of Anthropology, UW
1999-2016	Founder and Principal Investigator of the Biological Anthropology & Biodemography Laboratory, UW
1999-2005	Assistant Professor, Department of Anthropology, UW
1999-2016	Affiliate, Center for Studies in Demography and Ecology, UW
1996-2000	Research Affiliate, Population Research Institute, Pennsylvania State University
1990- 1999	Instructor of undergraduate anthropology courses at 5 Universities

Selected Career Highlights

2015	Elected to <i>Fellow</i> , American Association for the Advancement of Science
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- 2011 Invited discussant for panel on “Endocrine Markers of Ovarian Aging: State of the Science” as part of the symposium “STRAW+10: Addressing the Unfinished Agenda of Staging Reproductive Aging. Co-sponsored by NIA, NICHD, North American Menopause Society, American Association for Reproductive Medicine, International Menopause Society, and Endocrine Society. Sept 20-21, 2011, Washington DC.
- 2006 Invited Participant, “Search for Biomarkers of Female Reproductive Function”, Radcliffe Institute for Advanced Study, Harvard University, May 5-6, 2006.
- 2001 Invited Participant, “Workshop on Staging Systems of Reproductive Aging.” Sponsored by the National Institutes of Health, the American Society for Reproductive Medicine and the North American Menopause Society. July 22-24, 2001, Park City, Utah.

Selected Research Publications

Peer-Reviewed Journal Articles (* denotes student author; ■ denotes highly cited; highly cited = 50+ cites on google scholar)

1. Konishi S, Tomoko T. Saotome, Keiko Shimizu, Mari S. Oba and **Kathleen A. O'Connor. (2020)** Coital frequency and the probability of pregnancy in couples trying to conceive their first child: A prospective cohort study in Japan. *Int. J. Environ. Res. Public Health* 2020, 17(14), 4985; doi:10.3390/ijerph17144985
2. Bethancourt H, Kratz M, **O'Connor KA (2019)** A short-term spiritual “fast” from animal products has a minimal impact on cardiometabolic health biomarkers. *American Journal of Clinical Nutrition*. nqz153. doi: 10.1093/ajcn/nqz153.
3. Bethancourt HJ, Kratz M, **O'Connor KA, (2019)** Spiritually-motivated restrictions on animal products have a limited impact on consumption of healthy plant-based foods. *British Journal of Nutrition* 122(7): 808-819. doi:10.1017/S0007114519001533.
4. Konishi S, Sakata S, Oba SM, **O'Connor KA (2018)** Age and time to pregnancy for the first child among couples in Japan. *J Pop Stud (Jinkogakukenkkyu)* 54:1-8 [full text](#)
5. Wander K, Shell-Duncan B, Brindle E, **O'Connor KA. (2017)** Hay fever, asthma, and eczema and early infectious diseases among children in Kilimanjaro, Tanzania. *American Journal of Human Biology*, <https://doi.org/10.1002/ajhb.22957>
6. Konishi, S and O'Connor KA. (2016). Salivary but not blood cortisol is associated with metabolic biomarkers in healthy young women. *American Journal of Human Biology*, <http://onlinelibrary.wiley.com.offcampus.lib.washington.edu/doi/10.1002/ajhb.22827/epdf>
7. Snipes SA, Hayes-Constant TK*, Trumble BC, Goodreau SM, Morrison DM, Shell-Duncan B, Pelman RS, **O'Connor KA, (2015)** Masculine perspectives about family and work concurrently promote and inhibit men’s healthy behaviors. *International Journal of Men’s Health* 14(1):1-20.
8. Trumble BC, Smith EA, **O'Connor KA, Kaplan HS, Gurven MD. (2014)** Successful hunting increases testosterone and cortisol in a subsistence population. *Proceedings of the Royal Society, B*. 281:20132876
9. 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.
10. Wander K, Shell-Duncan E, Brindle E, **O'Connor KA. (2013)** Predictors of delayed-type hypersensitivity to *Candida albicans* and anti-Epstein-Barr virus antibody among children in Kilimanjaro, Tanzania. *American Journal of Physical Anthropology* 151(2):183-190.
11. Ferrell RJ, Rodriguez G, Holman DJ, **O'Connor KA, Wood JW, Weinstein M. (2012)** Hypoestrogenic “inactive phases” at the start of the menstrual cycle: changes with age and relationship to follicular depletion. *Fertility and Sterility* 98(5):1246-1253.
12. Konishi, S, Brindle E, Guyton A, **O'Connor KA (2012)**. Salivary excretion of progesterone and cortisol significantly differs between individuals after correcting for blood hormone values. *American Journal of Physical Anthropology*. 149(2):231-41.

13. Wander K*, Brindle E, **O'Connor KA**. (2012) Sensitivity and specificity of C-reactive protein and α_1 -acid glycoprotein for episodes of acute infection among children in Kilimanjaro, Tanzania. *American Journal of Human Biology* 24(4): 565-568.
14. Trumble B*, Cummings D, von Rueden C, **O'Connor KA**, Smith, EA, Gurven, M, Kaplan H. (2012) Physical competition increases testosterone in Amazonian forager-horticulturalists: a test of the "challenge hypothesis". *Proceedings of the Royal Society, B*. 279 (1739):2907-2912.
15. Wander K*, **O'Connor K**, Shell-Duncan B (2012) Expanding the Hygiene Hypothesis: Early Exposure to Infectious Agents Predicts Delayed-Type Hypersensitivity to *Candida* among Children in Kilimanjaro. *PLoS ONE* 7(5): e37406. doi:10.1371/journal.pone.0037406
16. ▀ Harlow et al for STRAW+10 Collaborative Group. (2012) Executive Summary of STRAW+10: Addressing the Unfinished Agenda of Staging Reproductive Aging. *Journal of Clinical Endocrinology and Metabolism* 97(4): 1159-1168. (**KA O'Connor** as a member of the STRAW+10 Collaborative Group). (Also published in: *Fertility and Sterility* 2012; 97(4):843-851; *Menopause* 2012; 19(4):387-395; *Climacteric* 2012; 15(2):105-14.)
17. Salvante KG, Brindle E, McConnell D, **O'Connor KA**, Nepomnaschy PA. (2012). Validation of a new multiplex assay against individual immunoassays for the quantification of reproductive, stress and energetic metabolism biomarkers in urine specimens. *American Journal of Human Biology* 24:81-86.
18. **O'Connor KA**, Brindle E, Shofer J, Trumble BC*, Aranda JD*, Rice K, Tatar M. (2011). The effects of a long-term psychosocial stress on reproductive indicators in the baboon. *American Journal of Physical Anthropology* 145:629-638. PMID: PMC3478381
19. Fujita M, Shell-Duncan B, Ndemwa P, Brindle E, Lo Y, Kombe Y, **O'Connor KA**. (2011). Vitamin A dynamics in breastmilk and liver stores: a life history perspective. *American Journal of Human Biology* 23(5):664-673.
20. ▀ Brindle E, Fujita M, Shofer J, **O'Connor KA**. (2010). Serum, plasma, and dried blood spot high sensitivity C-reactive protein enzyme immunoassay for population research. *Journal of Immunological Methods* 362(1-2):112-120.
21. Trumble, BC*, Brindle E, Kupsik M*, **O'Connor KA**. (2010) Responsiveness of the reproductive axis to a single missed evening meal in young adult males. *American Journal of Human Biology* 22(6):775-781.
22. **O'Connor KA**, Ferrell RJ, Brindle E, Shofer J, Trumble BC*, Holman DJ, Weinstein M. (2009). Progesterone and ovulation across stages of the transition to menopause. *Menopause* 16(6):1178-1187.
23. Snipes SA, Thompson B, **O'Connor K**, Shell-Duncan B, King D, Herrera AP, Navarro B (2009). "Pesticides Protect the Fruit, But Not the People": Using Community-Based Ethnography to Understand Farmworker Pesticide Exposure Risks *American Journal of Public Health* 99: S616-621.
24. Fujita, M, Brindle E, Rocha A, Shell-Duncan B, Ndemwa P, **O'Connor KA**. (2009) Assessment of the relative-dose response test based on serum retinol-binding protein instead of serum retinol for determining low hepatic vitamin A stores. *American Journal of Clinical Nutrition* 90:217-224.
25. **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 and Prevention* 18(3):828-836.
26. ▀ Wander KW*, Brindle E, **O'Connor KA**. (2008) C-reactive protein across the menstrual cycle. *American Journal of Physical Anthropology* 136(2):138-146.
27. Fujita M*, Brindle E, Shofer J, Ndemwa P, Kombe Y, Shell-Duncan B, **O'Connor KA**. (2007) Retinol-binding protein stability in dried blood spots. *Clinical Chemistry* 53: 1972-1975.
28. Ferrell RJ, **O'Connor KA**, Rodriguez G, Holman DJ, Brindle E, Miller RC, Simon J, 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.
29. Brindle E, Miller RC, Shofer JB, Klein NA, Soules MR, **O'Connor KA**. (2006) Urinary beta-luteinizing hormone & beta-follicle stimulating hormone immunoassays for population research. *Clinical Biochemistry* 39(11): 1071-79.

30. Ferrell RJ, Simon JA, Pincus SM, Holman DJ, **O'Connor KA**, Rodriguez G, Weinstein M. (2006) The length of perimenopausal menstrual cycles increases later and to a greater degree than previously reported. *Fertility and Sterility* 86(3):619-624.
31. **O'Connor KA**, Brindle E, Miller RC, Shofer JB, Ferrell RJ, Klein NA, Soules MR, Holman DJ, Mansfield PK, Wood JW. (2006) Ovulation detection methods for urinary hormones: Precision, daily and intermittent sampling, and a combined hierarchical method. *Human Reproduction* 21(6):1442-1452.
32. Ferrell RJ, **O'Connor KA**, Rodriguez G, Gorrindo T, Holman DJ, Brindle E, Miller RC, Schechter DE*, Korshalla L, Simon J, 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): 567-577.
33. **O'Connor KA**, Brindle E, Shofer JB, Miller RC*, Klein NA, Soules MR, Campbell KL, Mar C, Handcock MS. (2004) Statistical correction for non-parallelism in a urinary enzyme immunoassay. *Journal of Immunoassay and Immunochemistry* 25(3):259-278.
34. **O'Connor KA**, Brindle E, Holman DJ, Shofer JB, Klein NA, Soules MR, **O'Connor KA** (2004) Comparison of specific gravity and creatinine methods for normalizing urinary reproductive hormone concentrations. *Clinical Chemistry* 50(5):924-32.
35. **O'Connor KA**, Brindle E, Holman DJ, Klein NA, Soules MR, Campbell KL, Kohen F, Munro CJ, Shofer J, Lasley WL, Wood JW. (2003) Urinary estrone conjugate and pregnanediol-3-glucuronide enzyme-immunoassays for population research. *Clinical Chemistry* 49(7):1139-1148.
36. McConnell HJ*, **O'Connor KA**, Brindle E, Williams NI (2002) Validity of methods for analyzing urinary steroid data to detect ovulation in athletes. *Medicine & Science in Sports & Exercise* 34(11):1836-1844.
37. **O'Connor KA**, Holman DJ, Wood JW (2001). Menstrual cycle variability and the perimenopause. *American Journal of Human Biology* 13(4):465-478.
38. **O'Connor KA**, Holman DJ, Wood JW (1998). Declining fecundity and ovarian ageing in natural fertility populations. *Maturitas* 30:127-136.
39. Gage TB and **O'Connor KA** (1994) Nutrition and the Variation in Level and Age Patterns of Mortality. *Human Biology* 66(1):77-103.

Reports

1. **O'Connor KA**. (2011). *Health Initiatives for Men: Pilot Study*. Summary Report for Premera/Blue Cross. 60pp.

Book /Volume Chapters

1. Brindle EB, **O'Connor KA**, Garrett D. Dried blood spots and general human health studies. (2014). IN: *Dried Blood Spots: Applications and Techniques*, Eds W Li, MS Lee, Wiley & Sons. Pp. 114-129.
2. Haaga John, Kathleen **O'Connor**, Maxine Weinstein, Phyllis Wise. (2010) Introduction. In: *Reproductive Aging*. Special Issue of *Annals of the New York Academy of Sciences* 1204:1-10.
3. Holman DJ, **O'Connor KA** and Wood JW (2006) Age and Female Reproductive Function: Identifying the Most Important Determinants. In Sauvain-Dudgeril C, Leridon H, Mascie-Taylor N, (eds): *Human Clocks: The Bio-Cultural Meanings of Age*. Oxford University Press, Oxford. (Also: Working Paper 97-05, Population Research Institute, Pennsylvania State University, University Park).
4. **O'Connor KA**, Wood JW, Holman DJ, Ferrell R. (2002) Mortality models for paleodemography. In: Hoppa R and Vaupel J (eds). *Paleodemography: Age Distributions from Skeletal Samples*. Cambridge University Press, pp. 129-168.
5. Holman DJ, Wood JW and **O'Connor KA**. (2002) Estimating age at death distributions from skeletal samples: a multivariate latent trait approach. In: Hoppa R and Vaupel J(eds) *Paleodemography: Age Distributions from Skeletal Samples*. Cambridge University Press, pp.193-221.
6. 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.

7. Cohen MN, **O'Connor KA**, Danforth ME, Jacobi KP, and Armstrong C (1997) Archaeology and Osteology of the Tipu Site. In SL Whittington and DM Reed (eds.): *Bones of the Maya Ancestors: Studies of an Ancient People*. Smithsonian Institution Press, Washington DC. pp. 78-86.

Edited Volumes

1. Weinstein M, **O'Connor KA**, editors. (2010) Reproductive Aging. *Annals of the New York Academy of Sciences* 1204:1-197.
2. **O'Connor KA** and Leap W (1993) (Guest Editors) AIDS Outreach, Education, and Prevention: Anthropological Contributions. *Practicing Anthropology* 15(4).

Dissertation

O'Connor KA (1995) The Age Pattern of Mortality: A Micro-Analysis of Tipu and a Meta-Analysis of Twenty-Nine Paleodemographic Samples. PhD Thesis, State University of New York at Albany.

Selected Research and Training Support

- 2015-2018 *The Health Implications of Periodic Dietary Restrictions on Animal Products among Orthodox Christians in the United States*. NSF Doctoral Dissertation Improvement Grant. PI: KA O'Connor, Co-PIs: H Bethancourt, BShell-Duncan. NSF 1540282
- 2013-2016 *US-Japan comparison of biobehavioral factors related to low fertility*. PI: Shoko Konishi, Abe Fellowship Program, Social Science Research Council. KA O'Connor as U.S. host and collaborator.
- 2014-2015 UW College of Arts and Sciences Bridge Grant
- 2010-2011 *Health Initiatives for Men Workshop Grant*. CSDE Working Group Grant, \$7,600. PI: KA O'Connor. Co-investigators: R Pelman, S Goodreau, D Morrison, B Shell-Duncan, SA Snipes.
- 2009-2010 *Health Initiatives for Men: Pilot Study*. Royalty Research Fund. \$40,000. PI: KA O'Connor. Co-investigators: R. Pelman, G. Almgren, S. Goodreau, D. Morrison, B. Shell-Duncan, S. Snipes.
- 2009-2010 *Health Initiatives for Men: Pilot Study*. CSDE Seed Grant, \$15,000. PI: KA O'Connor. Co-investigators: R. Pelman, G. Almgren, S. Goodreau, D. Morrison, B. Shell-Duncan, S. Snipes.
- 2006-2013 *Genetics of Reproductive Senescence* National Institutes on Aging, R01: PI: M Tatar (Brown Univ), KA O'Connor as PI UW Subcontract for \$969,000. (NIA 1 R01 AG030329-01).
- 2004-2006 *Pesticides and Cortisol Increase among Mexican Immigrant Farmworkers: A Biocultural Assessment*. National Science Foundation, Dissertation Improvement Grant (SA Snipes). \$10,000. (PI: KA O'Connor, Co-PIs: SA Snipes, B Thompson).
- 2001-2005 *Bioenergetics of Exercise-Induced Menstrual Disturbances*. National Institutes on Child Health and Development, \$1,496,218 (Co-PIs: NI Williams & L Demers; KA O'Connor as consultant) (NICHD 1 RO1 HDAR39245-01).
- 1999-2003 *Biodemographic Models of Reproductive Aging*. Subcontract 1701-UW-DHHS-15141. Subcontract of NIA RO1 AG15141). \$980,000. PI: KA O'Connor, Co-PI: DJ Holman.
- 1997-2003 *Biodemographic Models of Reproductive Aging*. National Institutes on Aging, \$2,034,422 (PI: JW Wood, Co-Investigators: DJ Holman, KA O'Connor, PK Mansfield. (NIA 1 RO1 AG15141).
- 1996-1997 *The Biodemography of Birthspacing in Bangladesh*. NIA Supplement to Population Research Institute's P30 NICHD Center Grant, Biodemography Initiative Grant, \$29,826 (PI: JW Wood, Co-Investigators: KA O'Connor, DJ Holman, CM Stroud, RE Jones).
- 1996-1998 *Pregnancy-related sickness in rural Bangladesh*. National Science Foundation, \$38,127 (PI: JW Wood, Co-Investigators: KA O'Connor, DJ Holman, CM Stroud).

Selected Research Contracts

- 2006 *Determination of ovarian function by least-squares analysis method of quantitative basal temperature: validation against urinary progesterone metabolites*. PI: Jerilynn Prior, MD., Medicine/Endocrinology, University of British Columbia. Collection materials, assay services. \$12,158. KA O'Connor and E Brindle, via CSDE Biodemography Core.

- 2006-2007 *Validation of Molimina by Questionnaire as an Indicator of Ovulation for Population-based Studies.* PI, Jerilynn Prior, MD., Medicine/Endocrinology, University of British Columbia. Collection materials, assay services. \$30,000. KA O'Connor and E Brindle, via CSDE Biodemography Core.
- 2003-2005 *Reproductive Aging in Normal Premenopausal Women and Aging of the Normal Human Ovary from Birth.* Drs. M Soules, N Klein, A Thyer, College of Medicine, University of Washington. Collection supplies and assay services. \$1,500.
- 2003-2005 *Seattle Midlife Women's Health Study.* PIs: E Mitchell, N Woods, College of Nursing, University of Washington. (NIA funded). Assay of 6,000 urine specimens for estrogen. \$12,000.
- 2003 *Pilot Study on Menstrual Cycle and Endocrine Dynamics of the Baboon.* PI: M Tatar, Brown University. Assay of 2,400 urine specimens for reproductive hormones; assay development for baboons. \$8,500.

Selected Professional Seminars, Talks and Workshops

- O'Connor K.** Invited talk for the University of Tokyo, School of Medicine. 2019
- O'Connor K.** Invited talk for UW Center for Research in Reproduction and Contraception. "Biosocial Moderators of Men's Health from an Anthropological Perspective." July 12, **2016**.
- O'Connor K.** Invited participant in a *Men's Health Summit* held in Detroit Michigan, spearheaded by Dr. Michael Lutz of the UMichigan, Michigan Institute of Urology, and MIU's Mens Health Foundation, with additional support from Fight Like a Man International, and a variety of other profit and non-profit organizations (Nov 14-15 **2014**).
- O'Connor K.** Invited discussant for the Demography and Aging panel of *the Canine Longevity Consortium 1st Annual Meeting* (NIA R24 Network Planning Grant, PI: Daniel Promislow, UW Pathology and Nathan Shock Center of Aging) held April 1-3, **2014** at UW Seattle.
- O'Connor K.** Invited Talk for Pennsylvania State University Department of Biobehavioral Health Seminar Series, April 28 **2014**. Title: "Social and Physiological Moderators of Men's Health"
- O'Connor KA (2013, May 8).** Contributor to *American Urological Association* continuing medical education in men's health. Presentation: *Masculinity and Family in Men's Health.* AUA Annual Meeting, San Diego CA.
- O'Connor KA.** (December 8, **2012**). *Masculinity, Family and Community in Men's Health.* Presentation for the Annual Meeting of the *Western Section of the American Urological Association*, Seattle WA.
- O'Connor KA.** Invited speaker for symposium "Not by Bread Alone: Non-Caloric Determinants of Life History Strategies", American Association of Physical Anthropology, April **2012** in Portland, Oregon. Talk Title: The timing of the onset and duration of perimenopause in baboons and humans. Co-authors: N Neretti, A Bronikowski, DJ Holman, M Tatar.
- O'Connor KA,** organizer. (**2011**, Feb 25-26) "Health Initiatives for Men Workshop". University of Washington. Funded by a CSDE Workshop Grant.
- Weinstein M, **O'Connor KA,** Co-organizers. (**2009**, June 5-6) "Workshop on Reproductive Aging." Georgetown University. Funded by NIA.
- O'Connor KA.** (**2008**, Nov 18). Total and Unopposed Estrogen Exposure across Stages of the Transition to Menopause." Invited talk for the Center for Research on Minority Health, University of Texas, M.D. Anderson Cancer Center.
- O'Connor KA (2005, October 6).** "Biological Aspects of Reproductive Aging in Women." Invited seminar for the Aging Initiative, Center for Population and Health, Georgetown University, Washington DC.
- O'Connor KA.** (**2001**) "Biodemographic Models of Reproductive Aging." Invited talk for *Seminars in Reproductive Medicine*, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology, University of Washington, Seattle WA. Organizer: Dr. Michael R. Soules. May 4, 2001.

Community Presentations

- O'Connor KA.** (**2012**, Nov 1) Speaker and moderator for Men's Health Panel, American Diabetes Association Annual Stop Diabetes @Work Breakfast Program, REI, Seattle.
- O'Connor KA.** (**2011**, Nov 15) "Health Initiatives for Men." Presentation of pilot study results to Regional Officers Meeting of Premera/Blue Cross.
- O'Connor KA (2011, Dec 8)** "Health Initiatives for Men: Study Results." Presentation (and webinar) of study results to Premera/Blue Cross employees.

Recent Professional Presented Papers

- O'Connor KA**, Ferrell R, Holman DJ. More than just menopause: Processes of female reproductive aging. Invited poster presentation for a proposed symposium honoring Dr. James Wood, for the American Association of Physical Anthropology **2017** meetings in New Orleans, USA.
- Konishi S, Saotome T, Tsurumaki K, **O'Connor KA**. The first trial of a prospective study on time to pregnancy in Japan. Conference of International Society for Environmental Epidemiology and International Society of Exposure Science - Asia Chapter 2016 (ISEE-ISES AC2016), June 28, **2016**, Sapporo.
- Konishi S, Saotome T, Tsurumaki K, Sakata S, **O'Connor KA**. Age and time to pregnancy among Japanese couples. The 68th Annual Meeting of the Population Association of Japan, June 12, **2016**, Kashiwa. (in Japanese).
- Trumble BC, Smith, EA, O'Connor KA, Gurven, MD. (**2012**) Challenge hypothesis and hunting success: male salivary testosterone increased at the time of the kill and upon returning home for successful Tsimane hunters. Human Behavior and Evolution Society Conference (June **2012**).
- 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 (April **2012**).
- Konishi, S, Brindle E, **O'Connor KA**. Effect of Past Hormonal Contraceptive Use on Blood, Salivary, and Urinary Progesterone Levels in Young Women. Poster presentation for the Annual Meeting of the Population Association of America, Washington DC, March 31-April 2, **2011**.
- O'Connor KA**, Snipes SA, Chan Ridley M, Goodreau SM, Trumble BC, Morrison DM, Shell-Duncan BK, Guyton AC, Hayes Constant TK, Pelman RS. "Man Up": Qualitative Findings from the Health Initiatives for Men (HIM) Study. Presentation for Annual Meeting of the Population Association of America, Washington DC, March 31-April 2, **2011**.
- O'Connor KA**, Snipes SA, Chan Ridley M, Goodreau SM, Trumble BC, Morrison DM, Shell-Duncan BK, Guyton AC, Hayes Constant TK, Pelman RS. "Man Up": Qualitative Findings from the Health Initiatives for Men Study. Presented at the Annual Meeting of the Western Section of the American Urological Association, Hawaii, October 24, **2010**.

TEACHING & STUDENTS

Courses Taught

University of Washington 1990-2016

BioA 455: Reproductive Ecology Laboratory Seminar; BioA 201: Introduction to Biological Anthropology; Bio A 590: BioA Seminar Series; BioA 450: Biodemography; BioA 473: Human Adaptability, CSDE 501: Population Seminar Series, Anth 599: Teaching Anthropology; BioA 590/CSDE 595: Biomarker Methods Research Group; BioA 350: Men's Health Across the Lifespan; BioA 469: Special Topics in Reproductive and Health Ecology; BiOA 469/CSDE 595 Biomarker Methods in the Social Sciences.

Pennsylvania State University 1998/1999

Instructor. Department of Anthropology, Introduction to Reproductive Endocrinology Lab Methods; Women in Science and Engineering Research (WISER) Mentor.

SUNY-Binghamton 1993-1994; *SUNY-Albany* 1992-1993; *SUNY-Plattsburgh* 1992; *SUNY-Oneonta* 1990

Instructor of undergraduate anthropology courses.

Post-Doctoral Fellows

2009-2010 Dr. Shoko Konishi, Asst Prof. University of Tokyo, Department of Human Ecology.

Graduate Students Degree Conferred

2012-2018 Reading PhD Committee member and GSR for Yasmeen Hussain, NSF Graduate Fellow, UW Biology.

2010-2019 Chair PhD Committee, Master's Chair for Hilary Bethancourt, NSF Graduate Fellow, NICHD Fellow; UW Anth

2012-2014 Reading PhD Committee member and GSR for Meara Faw, UW Communication

2012-2013 Ph.D. GSR for Stephanie Rosse, UW Public Health Genetics

2008-2013 Ph.D. Committee Member (Reading GSR) for Tami Rigterink, UW Psychology

2010-2012 Ph.D. Committee Member (GSR) for Shervin Williams, Biobehavioral Nursing, UW Nursing

2009-2012 Advisor and Master's Committee Chair for Tara Hayes Constant, UW Anth

2009-2011	Ph.D. Committee Member (Reading GSR) for Ting Li, UW Quantitative Ecology & Resource Management
2008-2010	Ph.D. Committee Member (Reading GSR) for Wimon Deechakawan, UW Nursing.
2008-2012	Ph.D. Committee Co-Chair (w/ Prof Eric Smith) for Ben Trumble, UW Anth
2006-2012	Ph.D. Committee Member for Katherine Wander, UW Anth
2004-2008	Ph.D. Committee Member for Masako Fujita, UW Anth
2002-2006	Ph.D. Committee Chair for Shedra Amy Snipes, UW Anth
2001-2010	Ph.D. Committee Member for Deborah Schechter, UW Anth.
2004-2011	M.A. Advisor Co-Chair for Anthony Tessendori, UW Anth (currently Chair of Anthro, Bellevue College)
2004-2010	M.S. Chair for Jennifer Aranda, UW Anth.
2008-2010	M.S. Chair for Amanda Guyton, UW Anth.
2000	M.S. Committee Member for Heather McConnell, Physiology, Pennsylvania State University.

Undergraduates

Wi/Spr 2015	Mentor for Gioia Skeltis, <i>Mary Gates Undergraduate Research Fellowship</i> .
Wi/Spr 2012	Mentor for Mariah Bell, Anthro Major, <i>Mary Gates Undergraduate Research Fellowship</i> .
Spring 2011	Brent Stewart, Senior, Anthropology Major, MAGH track. Individualized Lab Training.
2010-2011	Honor's Thesis Advisor for Heidi Yi-Febinger, Winner of Biocultural Anthropology Undergraduate Paper Weinker Award, Spring 2010. Received College of Arts and Sciences Undergraduate Research Award 2010-2011; Received <i>Mary Gates Research Fellowship</i> 2010-2011 for her research in my lab.
2004-2005	Mentor for Garrett Tomblingson, Anthro Major, UW, Mentor for his <i>Mary Gates Undergraduate Research Fellowship</i> Spring 2004-Winter 2005.
2000-2001	Mentor for Kasia Benson, Anthropology/Chemistry Major, UW, Mentor for her <i>Mary Gates Undergraduate Research Fellowship</i> for 2000, and College of Arts and Sciences Undergraduate Research Assistantship 2000.
2000-2001	Honors Thesis Advisor for Danielle Potter, Anthropology/Psychology Major, University of Washington, and Mentor for her <i>Mary Gates Undergraduate Research Fellowship</i> for summer 2001.

Graduate Student Awards for lab related research

2012	Edward E. Hunt Jr. Student Prize of the Human Biology Association, for: Trumble B (student prize winner) Cummings D, von Rueden C, O'Connor KA, Smith, EA, Gurven, M, Kaplan H. "The "challenge hypothesis" and human male life-history trade-offs: Physical competition increases testosterone in Amazonian forager-horticulturalists." Annual Meeting Human Biology Association, Portland, Oregon.
2006	Edward E. Hunt Jr. Student Prize of the Human Biology Association, for: Schechter DE (student prize winner) Leonetti D, Brindle E, O'Connor KA. "Salivary cortisol and measures of cultural identity in a sample of Native American youth." Podium presentation for the Annual Meeting of the Human Biology Association, Anchorage, Alaska.
2001	Edward E. Hunt Jr. Student Prize of the Human Biology Association, for: Schechter DE (student prize winner), O'Connor KA, Brindle E, Shell-Duncan BK. "Reproductive hormones across development in Rendille children and adolescents." Annual Meeting Human Biology Association. St. Louis, MO.

SERVICE

Community (recent)

- 2019-2020 Consultant and Editor for *The Original Guide to Men's Health Podcast*, sponsored by the Washington State Urological Society, Podcast host: Dr. Richard Pelman. <https://www.wsus.org/podcasts.html>
- 2018-2019 UW Medicine Men's Health Center Campaign Council
- 2016 Men's Health Advisory Committee, School of Medicine, University of Washington

UW Committees

Anthropology: Environmental Health and Safety (2000); Teaching Effectiveness (2000, 2002), Admissions and Subfaculty Appointments (2001); Chair, Administrator Search (2001), Development Committee (2002, 2004), Web Manager (2003-2008); Web Re-design Committee (2004); Undergraduate Awards (2005-2008); Promotion Committee (2006);

Subfaculty Affairs (2007-2010); Web Advisor (2009-2011); Graduate Activities Fund(2009-2010); Chair of Tenure Review Committee (2009); Biological Anthropology Genetics Search (2010-11); Diversity Committee Chair (2011-2012, 2012-2013), SubFaculty Appointments (2013-14), Resources Committee (2015-2016)

Center for Studies in Demography and Ecology: Fellowship Review Committee (2000, 2001, 2002, 2003); Faculty Advisory Board (2002-2005); Executive Committee (2006-2009; 2011-2013); NIH R24 renewal preparation committee (2006, 2011); NIH T32 renewal preparation committee (2006); Biodemography Core Faculty Advisor (2006-2014); Training Committee (2009-2014).

College of Arts and Sciences Social Science Dissertation Fellowship Review Committee (2002); Faculty Fellows Presentation for CIDR (2004); RRF Review Committee for Arts, Humanities and Social Sciences (2009-2011); Ad-hoc reviewer for a pilot grant proposals for the Institute for Translational Health Sciences (2009) and the Center for Statistics in the Social Sciences (2012).

University Department of Global Health Curriculum Advisory Committee (2007-2009) (appointed by Dean Howard); Faculty Senator (2009-2010).

Professional Activities

- 2011-2016 Academic Editor, Member of Editorial Board, *PLoS ONE*.
- 2010-2013 Member of Editorial Board, *Demography*.
- 2010-2013 Member of the Electorate Nominating Committee of the Section on Anthropology for the American Association for the Advancement of Science.
- 2009-10 Member of the Scientific Program Committee for the 2010 Meeting of the Human Biology Association
- 2004-2006 Member of the Scientific Program Committee for the 2005 Meeting of the American Association of Physical Anthropologists.
- 2005 Chair, Biodemography Session, 2005 Annual Meeting of the Population Association of America.
- 2004-2005 Member of the Program Committee for the 2005 Meeting of the Population Association of America.
- 2002 Panel member for the National Institutes of Aging, Reverse Site Review, Dec 3-4 2002, Bethesda Maryland. (SWAN competing renewal, thirteen proposals)
- 1995-2019 Reviewer for *American Journal of Physical Anthropology*, *American Journal of Human Biology*, *Annals of Human Biology*, *Biology of Reproduction*, *Cambridge University Press*, *Clinical Chemistry*, *Demography*, *Ecology of Food and Nutrition*, *Human Nature*, *Journal of Genetic Syndromes and Gene Therapy*, *National Institutes of Health*, *National Research Council*, *National Science Foundation*, *PLOS One*, *Proceedings of the National Academy of Science*, *Proceedings of the Royal Society, B (Biological Sciences)*, *Radcliffe Institute for Advanced Study of Harvard University*, *Rutgers University Press*, *Social Forces*, *Steroids*, *Trends in Ecology and Evolution*, *Wellcome Trust*, *WW Norton Press*, *Yearbook of Physical Anthropology*, *Wiley-Liss Press*.

CONSULTING

- March 2016 Baylor University; development of an Anthropology PhD Program.

MEDIA COVERAGE

- 2016 Article entitled "From the frontline of gendered health" by Mac Hubbard for the UW Daily about my Men's Health Class: *BioA 350: Men's Health Across the Lifespan*.
http://www.dailyuw.com/wellness/article_07532b5a-ca23-11e5-be16-5369860d55cd.html
- 2015 A news blurb in Psychology Today on our 2015 publication *Masculine Perspectives about Work and Family Concurrently Promote and Inhibit Men's Healthy Behaviors*
<https://www.psychologytoday.com/us/blog/the-evolving-father/201509/men-seeking-health>
- 2012 Multiple news articles based on: Trumble B*, Cummings D, von Rueden C, **O'Connor KA**, Smith, EA, Gurven, M, Kaplan H. (2012) The "challenge hypothesis" and human male life-history trade-offs: Physical competition increases testosterone in Amazonian forager-horticulturalists. *Proceedings of the Royal Society, B*. 279 (1730:2907-2912).
<http://showbiz.peacefmonline.com/news/201203/104517.php>
<http://www.livescience.com/19312-tribal-testosterone-levels.html>
<http://www.dailymail.co.uk/news/article-2121477/Playing-football-match-boosts-testosterone-levels-30-cent.html?ito=feeds-newsxml>
<http://www.physorg.com/news/2012-03-testosterone-responsive-competition-amazonian-tribe.html>

<http://esciencenews.com/articles/2012/03/28/testosterone.low.responsive.competition.amazonian.tribe>
<http://www.sciencedaily.com/releases/2012/03/120327215556.htm>
http://www.sciencecodex.com/testosterone_low_but_responsive_to_competition_in_amazonian_tribe-88736
<http://www.edhat.com/site/tidbit.cfm?nid=84526>
<http://news.sciencemag.org/sciencenow/2012/03/scoring-goals-spiking-testosterone.html?ref=hp>
<http://www.news-medical.net/news/20120329/Anthropologists-discover-lower-testosterone-levels-in-Tsimane-men.aspx>
<http://www.futurity.org/health-medicine/after-soccer-testosterone-soars-in-amazon-men/>
http://www.sciencecodex.com/low_testosterone_level_in_amazonian_tribe_responds_to_competition-88754
http://leadership.nga/articles/20699/2012/03/30/playing_football_match_boosts_mens_testosterone_levels.html

Professional MEMBERSHIP

American Association for the Advancement of Science