

CURRICULUM VITAE
VIRGINIA J. VITZTHUM, PhD

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EDUCATION

Degrees

1986 Ph.D. Anthropology, University of Michigan, Ann Arbor
1980 M.A. Biological Anthropology, University of Michigan, Ann Arbor
1977 B.S./B.A. Biology and Anthropology, Queens College, New York

Additional training

1988-90 Postdoctoral Fellow in Demography, Population Studies Center, University of Michigan
1997-98 Completed all coursework for Masters in Public Health, Specialty: International Health
School of Public Health, University of California, Los Angeles
1999 Certificate: Summer Institute on Monitoring and Evaluation of Population, Health, and Nutrition
Programs; Carolina Population Center, MEASURE Evaluation Project.
2001 Certificate: Introduction to the Principles and Practices of Clinical Research.
U.S. National Institutes of Health, July 2001.

POSITIONS HELD

Jan 2008-
Current Professor of Anthropology & Senior Research Scientist, Kinsey Institute; Indiana University.
Core Faculty Member: Common Themes in Reproductive Diversity (2012-current).
Other Affiliations: Dept of Gender Studies; Center for the Integrative Study of Animal Behavior;
Center for Latin American & Caribbean Studies.

Jul 2014-15 Acting Director, Human Biology Program, Indiana University, Bloomington

Oct 2012-
July 2013 Visiting Researcher, Human Evolutionary Studies Program & Faculty of Health Sciences,
Simon Fraser University, British Columbia, Canada.

1999-2007 Fellow, Institute for Primary and Preventative Health Care, Binghamton University (SUNY).

Sept 2007-
July 2008 Senior Fulbright Fellow
Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

2003-2007 Research Associate, Anthropology Dept., Indiana University, Bloomington

July 2002-
Sept 2003 Program Director, Cross-Directorate Activities (Social, Behavioral and Economic Sciences);
U.S. National Science Foundation, Arlington, VA.

Sept 2001-
July 2002 AAAS (American Association for the Advancement of Science) Science Policy Fellow,
Office of Assistant Director (Social, Behavioral and Economic Sciences); U.S. National
Science Foundation, Arlington, VA.

Sept 1998-
Aug 2002 Associate Professor (tenured 2001) and Assistant Professor of Anthropology, and Associate
Director, Institute for Primary & Preventative Health Care, Binghamton University (SUNY).

Sept 1998-
Aug 1999 AAAS Science and Diplomacy Fellow; Global Bureau for Population, Health, and Nutrition;
U.S. Agency for International Development (USAID), Washington DC.

July 1990-
June 1999 Associate Professor (tenured 1996) & Assistant Professor of Anthropology; University of
California, Riverside. *Program Affiliations:* Latin American Studies, Women's Studies, Honors
Program, Family Studies Center, Human Development

(continued on next page)

1988-90 Research Fellow, Population Studies Center, University of Michigan, Ann Arbor; and
Assistant Research Scientist, Anthropology Dept, University of Michigan, Ann Arbor
1987-88 Adjunct Assistant Professor, Anthropology Dept, University of Michigan, Ann Arbor

AWARDS

2012 Fellow, American Association for the Advancement of Science
1994 Professor of the Year (University Honors Program), University of California, Riverside
1993 Exceptional Instructor Award, University of California, Riverside
1984 American Assoc Physical Anthropologists: *Sherwood Washburn Award (Outstanding Student Paper)*
1978 Queens College: Faculty Award for Excellence in Scholarship; Honors in Anthropology

FELLOWSHIPS and GRANTS

Fellowships

2007-08 U.S. Council for International Exchange of Scholars, *Senior Fulbright Fellow* (Leipzig, Germany)
2001-02 American Association for the Advancement of Science, *Science Policy Fellowship* (NSF)
1998-99 American Association for the Advancement of Science, *Science and Diplomacy Fellowship* (USAID)
1998 Resident Fellow, Center for Ideas and Society, University of California, Riverside, CA
1988-90 National Institute of Child Health and Human Development, *Post-Doctoral Fellowship in Demography* at the Population Studies Center, University of Michigan, Ann Arbor
1987 Selected member of 3-person, 4-year, Study Group on Human Population Dynamics, King's College, Cambridge, UK (not convened due to government budget cuts at Cambridge University)

Research Grants

Reproductive Choice: A Multi-component Mixed-methods Study of the Dynamics of Pregnancy in Greenland.

2014-2017 U.S. National Science Foundation.

Testing Genotype-Hormone Associations in Circumpolar Ancestral and Descendant Populations

2011-current U.S. National Science Foundation

Hormones and Health during the Peri-Menopausal Transition in Rural Bolivian Women

2010-2011 FRSP, Office of the Vice Provost for Research, IU Bloomington

Testing Hypotheses of the Dietary Determinants of Ovarian Hormones: A Study of Mongolian Nomads

2006-2007 Wenner-Gren Foundation for Anthropological Research

Project REPA (Reproduction and Ecology in Provincia Aroma): Fecundity in Bolivian women.

1999-2001 Binghamton University (SUNY), Research Foundation

1995-1999 U.S. National Science Foundation (#SBR 9506107)

1995, 1998 UC Riverside, Dean's Committee for Faculty Research

1995 UC Riverside, Career Development Award

1995 UC Riverside, Field Research Travel Grants and Intramural Research Grants

1995 University Research Expeditions Program, Berkeley CA

1993, 1994 UC Riverside, 2 Field Research Travel & 2 Intramural Research Grants [Planning activities]

Research Grants continued on next page

Research Grants (continued)

Project K'umara (Project Healthy): Growth and Development in Bolivian Children.

- 2003 National Science Foundation, Employee Research Award
- 1997 UC Riverside, Field Research Travel Grant and Intramural Research Grant
- 1996 UC Riverside, Dean's Committee for Faculty Research

Socioeconomic Impacts on Variation in Testosterone and Cortisol in Rural Aymara Men.

- 1996 UC Riverside, Field Research Travel Grant and Intramural Research Grant

Project Warmi (Women's Project): Reproductive Functioning and Health in Andean Women.

- 1991, 1993 UC Riverside, Career Development Awards
- 1991, 1992 UC Riverside, Field Research Travel Grants and Intramural Research Grants
- 1990 UC Riverside, InterCampus Research Opportunity Fund
- 1989 William and Flora Hewlett Foundation [Planning activities]

Lactation and Fertility in Rural Peruvian Women

- 1985 Research Grant, Rackham School of Graduate Studies, University of Michigan

Doctoral dissertation research

- 1984 Research Grant, Rackham School of Graduate Studies, University of Michigan.
- 1984 Sigma Xi, The Research Society: *Grant-in-Aid of Research.*

Instructional Grants

- 1990-94 Eight instructional grants from the Regents of the University of the State of California.

FIELDWORK EXPERIENCE

PRINCIPAL INVESTIGATOR

Hormones and Health during the Peri-Menopausal Transition in Rural Bolivian Women: A follow-up study of women first studied in 1996, examining the relationship between hormonal levels during early adulthood and those during the peri-menopausal transition.

Principal collaborator: Dr. D. Bellido, Bolivian Institute of High Altitude Biology, La Paz.

Principal support: Office of the Vice Provost for Research, IU Bloomington.

Principal activities:

2010-2012 Collected serial saliva, urine and dried blood spot samples (plus anthropometric, dietary intake, and activity data) from rural Bolivian women. Assayed samples for salivary progesterone.

Impact of Early Life Environments on Adult Ovarian Functioning: A cross-sectional comparative study of gonadal steroids in women born and raised in pre-reunification “East” versus “West” Germans.

Principal collaborator: Dr T. Deschner, Max Planck Institute for Evolutionary Anthropology, Leipzig.

Principal support: Fulbright Foundation and Max Planck Society.

Principal activities:

2007-08 • Collected serial saliva and urine samples (plus anthropometric, dietary intake, and activity data) from German women.

2008-10 • Saliva and urine samples assayed for ovarian steroids, under direction of Dr. Deschner.

Hormones and Diet in Mongolian Nomads: A cross-sectional study of gonadal steroids, pituitary gonadotrophins, and dietary composition in pastoral nomads.

Principal collaborators: Dr. N Yandag, Mongolian University of Science and Technology; Dr. T. Deschner, Max Planck Institute for Evolutionary Anthropology, Leipzig; Dr. P. Whitten, Emory University.

Principal support: Wenner-Gren Foundation

Principal activities:

2006 • Collected serial saliva and urine samples (plus anthropometric, dietary intake, and activity data) from female nomads.

2007-10 • Saliva and urine samples assayed for ovarian steroids, under direction of Dr. Deschner.

Proyecto REPA--Reproduction and Ecology in Provincia Aroma: A longitudinal multidisciplinary study of the behavioral and biological determinants of conception, fetal loss, and live birth. Data collected from more than 300 women in 30 agropastoral communities in the Bolivian *altiplano* (4000 meters altitude) and from women in La Paz.

Principal collaborator: Dr. H. Spielvogel, Bolivian Institute of High Altitude Biology (IBBA), La Paz.

Principal support: U.S. National Science Foundation.

Principal activities:

1995 • Collected serial saliva samples from impoverished and better-off urban women.

• Hormonal responses to structured exercise in urban women.

• Census of rural communities and recruited rural study participants.

- 1996
- Collected serial salivary and urine samples (to measure reproductive steroids), anthropometrics, dietary recall, and 24-hour heart monitoring (to estimate energy expenditure) from rural women.
 - Evaluated infant growth and infant feeding practices in all children <2 years old.
 - Measured respiratory and work physiology in lactating and non-lactating rural women.
 - Household economics and utilization of health services in rural altiplano families.
 - Collected serial salivary samples (to measure testosterone and cortisol), anthropometrics and dietary recall from rural Aymara men.
 - Assessed iron deficiency anemia, and intervention as indicated, to all community members.
- 1997
- Continued weekly assessment of pregnancy progression and outcome in rural women.
- 1997-2001
- Progesterone assays of salivary samples supervised by R. Chatterton, Northwestern University.

Proyecto K'umara--Project Healthy: A series of cross-sectional studies investigating the effects of nutrition and infection on growth, reproductive maturation, and immune function in Bolivian children.

Principal collaborators: Dr. H. Spielvogel, Bolivian Institute of High Altitude Biology; Dr. L. Barragan, St. Gabriel Hospital, La Paz

Principal support: University of California; National Science Foundation

Principal activities:

- 1996
- Collected blood spot samples, anthropometrics, dietary recall and heart rate monitoring from pre-pubescent children. Assessed iron deficiency anemia; intervention as indicated.
- 1997
- Continued anemia intervention; measured impact of intervention on growth.
- 2003
- Collected serial salivary samples, blood spots, anthropometrics, dietary recall and activity patterns from peri-pubescent adolescents. Assessed anemia; intervention as indicated.

Proyecto Warmi--Woman's Project (1989, 1991, 1992, 1993): A cross-sectional study of the biocultural determinants of reproductive functioning and health in Andean women. Conducted in La Paz, Cochabamba, and Ayopayo, Bolivia. Developed and field-tested a protocol for securing clean salivary samples in coca-chewing populations. Collected serial salivary samples to measure progesterone; anthropometrics; and data on dietary intake, activity patterns, and infant feeding practices from women of reproductive age in isolated rural Quechua communities. *Principal support:* University of California.

Lactation and Fertility in Nuñoa, Peru (1985): Precisely-timed breastfeeding episodes to determine effect of variation in breastfeeding frequency and duration on post-partum fecundity in rural Peruvian women.

Clinal Variation in Cercopithecidae (Doctoral dissertation research, 1985-1986): Measured and analyzed the post-canine dentition of 1841 specimens housed at 8 museums and universities in the U.S. and the U.K.

FIELD ASSISTANT

- 1979 *Lubbub Creek archaeology*; Alabama; C Peebles, Director.
- 1982 *Mio-Pliocene ichthyofauna paleontology*; Idaho; GR Smith, Director.
- 1980 *Eocene mammalian paleontology*; Wyoming; PD Gingerich, Director.
- 1978 *Mesolithic archaeology*; The Netherlands; RE Whallon, Director.

PUBLICATIONS

Edited Volumes (Refereed)

- 2003 *“Dr. Livingstone, We Presume.” Evolutionary Views of Human Variation and Hominid History.* Human Biology, Volume 75(3). With D O’Rourke.
- 1998 *The Ecology of Breastfeeding.* American Journal of Human Biology, Volume 10(2).
- 1988 *Multidisciplinary Studies in Andean Anthropology.* Michigan Discussions in Anthropology, Volume 8.

Refereed Articles

- 2015 *Links among inflammation, sexual activity and ovulation: Evolutionary trade-offs and clinical implications.* TK Lorenz, CM Worthman, VJ Vitzthum. Evolution, Medicine, and Public Health 2015(1):304-324.
- 2015 *Links between breast cancer and birth weight: An empirical test of the hypothesized association between size at birth and pre-menopausal adult progesterone concentrations.* K Milich, C Deimel, F Schaeb, J Thornburg, T Deschner, VJ Vitzthum. Hormones and Cancer 6:182-188.
- 2015 *Presence of young children at home may moderate development of hot flashes during the menopausal transition.* Lorenz TK, McGregor BA, Vitzthum VJ. Menopause 22:448-452.
- 2015 *Fitness.* In: International Encyclopedia of Human Sexuality, edited by P. Whelehan and A. Bolin. Wiley-Blackwell.
- 2013 *Darwin’s legacy: An evolutionary view of women’s reproductive and sexual functioning.* AL Harris and VJ Vitzthum. Journal of Sex Research 50:207-246 (invited and peer reviewed).
- 2013 *Fifty fertile years: Anthropologists’ studies of reproduction in high altitude natives.* American Journal of Human Biology 25: 179–189 (invited and peer reviewed).
- 2009 *The ecology and evolutionary endocrinology of reproduction in the human female.* American Journal of Physical Anthropology 140 Suppl 49 (Yearbook):95-136 (invited and peer reviewed).
- 2009 *Seasonal and circadian variation in salivary testosterone in rural Bolivian men.* VJ Vitzthum, CM Worthman, CM Beall, J Thornburg, E Vargas, M Villena, R Soria, E Caceres, H Spielvogel. American Journal of Human Biology 21(6):762-8.
- 2009 *Seasonal modulation of reproductive effort during early pregnancy in humans.* VJ Vitzthum, J Thornburg, H Spielvogel. American Journal of Human Biology 21(4):548-58.
- 2008 *Evolutionary models of women’s reproductive functioning.* Annual Review of Anthropology 37: 53-73 (peer invited).
- 2008 *Evolution and endocrinology: the regulation of pregnancy outcomes.* In: Medicine and Evolution: Current Applications, Future Prospects. S. Elton & P. O’Higgins (eds), CRC Press, pp. 99-126.
- 2006 *A prospective study of early pregnancy loss in humans.* VJ Vitzthum, H Spielvogel, J Thornburg, B West. Fertility and Sterility 86:373-9.
- 2005 *Hormonal contraception and physiology: A research based theory for differences in discontinuation due to side effects.* VJ Vitzthum and K Ringheim. Studies in Family Planning 36:13-32.
- 2004 *Interpopulational differences in progesterone levels during conception and implantation in humans.* VJ Vitzthum, H Spielvogel and J Thornburg. Proceedings of the National Academy of Sciences (USA) 101:1443-48.

Refereed Articles (continued)

- 2003 *Epidemiological transitions, reproductive health, and the Flexible Response Model.* VJ Vitzthum and H Spielvogel. *Economics and Human Biology* 1:223-42.
- 2003 *The proximate determinants of fertility in populations exposed to chronic hypoxia.* VJ Vitzthum and A Wiley. *High Altitude Medicine and Biology* 4:125-39.
- 2003 *A number no greater than the sum of its parts: The use and abuse of heritability.* *Human Biology* 75:539-58.
- 2002 *Salivary progesterone levels and rate of ovulation are significantly lower in poorer than in better-off urban-dwelling Bolivian women.* VJ Vitzthum, GR Bentley, H Spielvogel, E Caceres, J Thornburg, L Jones, S Shore, KR Hodges and RT Chatterton. *Human Reproduction* 17:1906-13.
- 2002 *Household economic strategies and nutritional anthropometry of women in American Samoa and highland Bolivia.* JR Bindon and VJ Vitzthum. *Social Science and Medicine* 54:1299-1308.
- 2002 *Effect of menstrual cycle phase on exercise performance of high altitude native women at 3,600 m.* T Brutsaert, H Spielvogel, E Caceres, M Araoz, RT Chatterton, and VJ Vitzthum. *Journal of Experimental Biology* 205(Pt 2):233-39.
- 2001 *The home team advantage: Reproduction in women indigenous to high altitude.* *Journal of Experimental Biology* 204:3141-50.
- 2001 *Vaginal bleeding patterns among rural highland Bolivian women: Relationship to fecundity and fetal loss.* VJ Vitzthum, H Spielvogel, E Caceres and A Miller. *Contraception* 64:319-25.
- 2000 *Menstrual patterns and fecundity in non-lactating and lactating cycling women in rural highland Bolivia: Implications for contraceptive choice.* VJ Vitzthum, H Spielvogel, E Caceres and J Gaines. *Contraception* 62:181-7.
- 2000 *Does hypoxia impair ovarian function in Bolivian women indigenous to high altitude?* VJ Vitzthum, PT Ellison, S Sukalich, E Caceres, and H Spielvogel. *High Altitude Medicine and Biology* 1: 39-49.
- 1998 *Ecology of breastfeeding: Approaches toward the improvement of women's and children's health.* VJ Vitzthum and VM Aguayo. *American Journal of Human Biology* 10:145-50.
- 1994 *The comparative study of breastfeeding structure and its relation to human reproductive ecology.* *Yearbook of Physical Anthropology* 37:307-49.
- 1994 *Suckling patterns: Lack of concordance between maternal recall and observational data.* *American Journal of Human Biology* 6:551-62.
- 1993 *The effect of coca-leaf chewing on salivary progesterone assays.* VJ Vitzthum, M von Dornum, and PT Ellison. *American Journal of Physical Anthropology* 92:539-44.
- 1992 *Infant nutrition and the consequences of differential market access in Nuñoa, Peru.* *Ecology of Food and Nutrition* 28:45-63.
- 1990 *Odontometric variation within and between taxonomic levels of Ceropithecidae: Implications for interpretations of fossil samples.* *Human Evolution* 5:359-374.
- 1989 *Nursing behaviour and its relation to duration of post-partum amenorrhea in an Andean community.* *Journal of Biosocial Science* 21:145-160.
Spanish trans. (1990): *Patrones de conducta en la lactancia y su relacion con la duracion de la amenorrea postparto en una comunidad Andina.* Research Report 90-183. Population Studies Center, Univ. Michigan.
- 1988 *Variation in infant feeding practices in an Andean community.* *Michigan Discussions in Anthropology* 8:137-156.

- 1988 *Body size variation in baboons: A reconsideration of ecological determinism.* Primates 29:135-7.
- 1986 *Dental metric assessment of the Omo fossils: Implications for the phylogenetic position of A. africanus.* K Hunt and VJ Vitzthum. American Journal of Physical Anthropology 71:141-55.
- 1982 *Human tooth size at Mesolithic, Neolithic, and modern levels at Niah Cave, Sarawak: Comparisons with other Asian populations.* CL Brace and VJ Vitzthum. Sarawak Museum Bulletin 33:99-109.
- 1981 *The impact of random and lineal fission on the genetic divergence of small human groups: A case study among the Yanomama.* PE Smouse, VJ Vitzthum and JV Neel. Genetics 98:179-97.

Book Chapters

- 2006 *The four-field anthropology and multi-faceted life of Frank B. Livingstone.* VJ Vitzthum, AG Fix, and A Livingstone. In: Michigan Discussions in Anthropology, Special Issue. Volume 16.
- 2001 *Why not so great is still good enough: Flexible responsiveness in human reproductive functioning.* In: Reproductive Ecology and Human Evolution. PT Ellison (Editor), Aldine, pp. 179-202.
- 1997 *Flexibility and paradox: The nature of adaptation in human reproduction.* In: The Evolving Female: A Life History Perspective. M.E. Morbeck, A. Galloway, and A. Zihlman (Editors), Princeton University Press, pp. 242-58.
- 1994 *Causes and consequences of heterogeneity in infant feeding practices among indigenous Andean women.* Annals of the New York Academy of Sciences 709:221-24.

Research Reports

- 1994 *Gender differences in children's productive activity in an Andean community: The potential for female nutritional stress.* G. Crivello and V.J. Vitzthum. Prepared for Minority Summer Research Internship Program, University of California, Riverside.
- 1990 *An adaptational model of ovarian function.* Research Report No. 90-200. Population Studies Center, University of Michigan.
- 1990 *Assessing salivary progesterone in coca-leaf chewing populations.* Research Report No. 90-175. Population Studies Center, University of Michigan.
- 1990 *The impact of economic change on infant feeding practices: A case study in the Peruvian Andes.* Research Report No. 90-178. Population Studies Center, University of Michigan.
Spanish trans. (1990): *El efecto del cambio economico en las practicas de alimentacion infantil: Estudio de un caso en los Andes Peruanos.* Research Report 90-198. Population Studies Center, Univ. of Michigan.

Technical Reports

- 1999 *Breastfeeding Patterns in the Developing World (with Selected Maternal and Child Health Indicators).* F. Roudi, D. Cornelius, V.J. Vitzthum. Population Reference Bureau, Washington, D.C. [Wallchart, available in English, French, and Spanish].
- 1999 *Current Situation Analysis of and Recommendations for Voluntary Counseling and Testing for HIV.* Prepared at request of USAID/Zambia.
- 1999 *Evaluation of ZVITAMBO (Efficacy of Vitamin A intervention to reduce HIV transmission) Research Project (with David Stanton et al.).* Prepared at request of USAID/Zimbabwe.
- 1993 *Current infant feeding practices in Cocapata and Rinconada, Bolivia: Opportunities for enhancing maternal-child health.* Report requested by Project Concern International.

Commentaries, Book Reviews, and Letters

- 2009 *Evolutionary endocrinology: integrating proximate mechanisms, ontogeny, and evolved function. Introduction.* Nepomnaschy PA, Vitzthum VJ, Flinn MV. American Journal of Human Biology 21(6):728-30.

Commentaries, Book Reviews, and Letters (continued)

2008. Letter: *Analyses do not support CYP17 genotype-estradiol associations*. VJ Vitzthum & J Thornburg. *Cancer Epidemiol Biomarkers Prev.* 17:1550.
- 2006 *Obituary: Frank B. Livingstone*. AG Fix, VJ Vitzthum, R Eckhardt. *American Anthropologist*: December.
- 2006 Review: *Methods in Human Growth Research*. Edited by Roland C. Hauspie, Noel Cameron, and Luciano Molinari. *American Journal of Physical Anthropology* 130:274-5.
- 2003 *AAPA Honors Frank B. Livingstone*. VJ Vitzthum & KD Hunt. *Evolutionary Anthropology* 12:161-3.
- 2003 *The Life and Work of Frank B. Livingstone*. *Human Biology* 75: i-iv.
- 1998 Review: *Variability in Human Fertility*, L Rosetta and CGN Mascie-Taylor (Eds). *AJPA* 107: 367
- 1997 Review: *Breastfeeding: Biocultural Perspectives*, P Stuart-Macadam and K Dettwyler (Eds). *Communicator* 21:16-18.
- 1993 Letter: *Population Variation in Ovarian Function*. PT Ellison, SF Lipson, MT O'Rourke, GR Bentley, AM Harrigan, C Panter-Brick, VJ Vitzthum. *Lancet* 342: 433-4.
- 1992 Review: *Dictionary of Concepts in Physical Anthropology* by JC Stevenson. *AJPA* 88:121.
- 1990 *The effects of coca-leaf chewing on salivary assays of progesterone*. *Willay*, No. 34:11-12.
- 1990 Letter: *All-women conference: Did it discriminate?* A Galloway, VJ Vitzthum, MM Pavelka, SB Tarli, L Fedigan, K Ono, D Olsen, J Reiter. *Science*, December 7.
- 1982 Commentary: *Demography and human origins*. LL Allen, PS Bridges, DL Evon, KR Rosenberg, MD Russell, LA Schepartz, VJ Vitzthum and MH Wolpoff. *American Anthropologist* 84:888-96.
- 1979 Review: *Human Population Genetics* by RM Reid; *Introduction to Mendelian Genetics and Gene Action* by PW Sciulli. *American Anthropologist* 81:985.

Doctoral Dissertation

- 1986 *The Role of Ecological Factors in Odontometric Variability and Its Implications for Body Size Adaptations in Cercopithecidae*. University Microfilms, Ann Arbor, MI.

RESEARCH PRESENTED at PROFESSIONAL MEETINGS

Symposia Organized

- 2012 “*Not by Bread Alone: Non-Caloric Determinants of Life History Strategies.*” Co-organized with Pablo Nepomnaschy. HBA/AAPA Co-sponsored Symposium, American Association of Physical Anthropologists, Portland, OR (scheduled for 13 April 13, 2012)
- 2008 “*Evolutionary Endocrinology: Integrating Proximate Mechanisms, Ontogeny, and Evolved Function.*” Co-organizers: Pablo Nepomnaschy & Mark Flinn. Plenary Session, Human Biology Association, Columbus, OH.
- 2002 “*Dr. Livingstone, We Presume.*” *Evolutionary Views of Human Variation and Hominid History.* American Association of Physical Anthropologists, Buffalo, NY.
- 2001 *Enduring and Recurring Themes in Biological Anthropology: Moving the Field Forward in the New Millennium.* Biological Anthropology Invited Session, American Anthropological Assoc., Washington, DC.
- 1996 *Ecology of Breastfeeding.* Invited Symposium, Human Biology Association, Durham, NC. Co-organizer: GR Bentley. Abstract: American Journal of Human Biology 8:133.

Invited Presentations at Conferences and Symposia

- 2012 *Fifty Fertile Years: Anthropologists’ Studies of Reproduction in High Altitude Natives.* Human Biology Association Plenary Session, “A Half-Century of High Altitude Studies in Anthropology” ; Portland, OR.
- 2009 *Darwin’s Legacy: An Evolutionary View of Reproduction.* Plenary Speaker, Annual meeting, International Academy of Sex Research, San Juan, PR.
- 2008 *Modulation of reproductive effort during early pregnancy.* International Seminar on Trade-offs in Female Reproductive Histories: Raising New Questions in an Integrative Framework. IUSSP Scientific Panel on Evolutionary Perspectives in Demography. Bristol, UK.
- 2008 *Progesterone levels in Mongolian nomadic herders.* VJ Vitzthum, T Deschner, J Thornburg, H Spielvogel, PL Whitten. In: “Women’s Health: Endocrinology, Sexuality, and Life Phases” organized by L. Morrison and S. Brown. American Association of Physical Anthropologists, Columbus, OH.
- 2008 Discussant, *Feminine Fluids: and Identity in the Female Life Cycle*, organized by Janet Chrzan. American Anthropological Association Annual Meetings, San Francisco, CA.
- 2006 *Evolution and endocrinology: the regulation of pregnancy outcomes.* VJ Vitzthum. Medicine and Evolution (Symposium of the Society for the Study of Human Biology), York, UK.
- 2006 *Economic strategies and the risk of early pregnancy loss in a rural Bolivian population.* VJ Vitzthum, H Spielvogel, and J Thornburg. Third International Conference on Economics and Human Biology, Stasbourg, France.
- 2004 *Economic, nutritional, and hormonal variation in Bolivian Aymara men.* VJ Vitzthum and CM Worthman. Second International Conference on Economics and Human Biology, Munich, Germany.
- 2002 *Economic development and the epidemiological transition in reproductive health.* VJ Vitzthum and H Spielvogel. First International Conference on Economics and Human Biology, Tuebingen, Germany.
- 2000 *Physiological Limits to Human Performance.* Invited Conference Sponsored by Federation of American Societies of Experimental Biology, Flagstaff, AZ.
- 2000 *Using evolutionary biology to build a better hormonal contraceptive.* VJ Vitzthum and K Ringheim. Society for Applied Anthropology. San Francisco, CA.
- 1999 *Variacion de testosterona y cortisol en campesinos Aymaras del altiplano Boliviano.* VJ Vitzthum, H Spielvogel, E Caceres, JF Stallings, CM Worthman. Invited Conference, Cuartas Jornadas Nacionales de Antropología Biológica, San Salvador de Juyuy, 29 October.
- 1995 *Species boundaries, bounding fossils: Odontometric variation in Anthrozoidea.* Abstract: AJPA, Supplement 20:216. American Association of Physical Anthropologists, Oakland, CA.
- 1993 *Causes and consequences of heterogeneity in infant feeding practices among indigenous Andean women.* New York Academy of Sciences Invitational Conference on "Human Reproductive Ecology: Interactions of Environment, Fertility and Behavior," Research Triangle, NC.
- 1992 *The physiological basis of developmental calibration.* Abstracts, 91st Annual Meeting, p. 334. American Anthropological Association, San Francisco, CA.

- 1990 *Biocultural determinants of human female fecundity*. Invited Conference, Female Biology & Life History, Santa Cruz, CA.
- 1988 *Incidence and correlates of enamel hypoplasia in non-human primates*. Abstract: AJPA 75:284. VJ Vitzthum and R Wikander. American Assoc of Physical Anthropologists, Kansas City, MO.
- 1986 *Reproduction, lactation, and the health of Andean women and children*. Abstracts, 85th Meeting, p. 239. ER Iacono and VJ Vitzthum. American Anthropological Association, Philadelphia, PA.

Presented Papers

- 2015 *Does individual natural variation in ovarian steroid concentrations predict variation in lifetime reproductive success? An empirical test using longitudinal data from a natural fertility population*. VJ Vitzthum, J Thornburg, D Bellido, H Spielvogel, J Burch. The International Society for Evolution, Medicine, and Public Health, Tempe, AZ.
- 2015 *Does individual natural (non-pathological) variation in ovarian steroid concentrations predict intrapopulation variation in completed (lifetime) fertility? An empirical test using longitudinal data from a natural fertility population*. Vitzthum VJ, D Bellido, H Spielvogel, J Burch, J Thornburg. Human Biology Association, St. Louis, MO. Abstract: American Journal of Human Biology 27(2).
- 2013 *How do beliefs about anemia among Bolivian rural women influence health behavior?*. RM Bedwell and VJ Vitzthum. Human Biology Association, Knoxville, TN. Abstract: American Journal of Human Biology 25: 252.
- 2013 *Project REPA (Reproduction and Ecology in Provincia Aroma): Variation in postpartum maternal sleep duration in co-sleeping mother-infant pairs indigenous to the Bolivian altiplano*. K Britt and VJ Vitzthum. Human Biology Association, Knoxville, TN. Abstract: American Journal of Human Biology 25:253.
- 2012 *A multi-factorial model of intra- and inter-population differences in pre-menopausal women's progesterone concentrations*. VJ Vitzthum and J Thornburg. Canadian Association for Physical Anthropology, Victoria, BC.
- 2012 *Is genetic variation a source of population differences in ovarian hormone concentrations?* American Association of Physical Anthropologists, Portland, OR.
- 2012 *Gender differences in physical activity patterns, and the effects of time spent in school on total daily energy expenditure in Bolivian children*. E Singh and VJ Vitzthum. American Association of Human Biologists, Portland, OR. Abstract: American Journal of Human Biology 24:242.
- 2012 *The banana effect: Are past and/or present lifestyles associated with ovarian hormone differences in women from the two Germanys?* C Deimel, VJ Vitzthum, FS Schaebs, T Deschner. American Association of Human Biology, Portland, OR. Abstract: American Journal of Human Biology 24:223.
- 2012 *Project REPA (Reproduction & Ecology in Provincia Aroma): The predictability of women's progesterone concentrations from cycle to cycle*. AL Harris and VJ Vitzthum. American Association of Human Biology, Portland, OR. Abstract: American Journal of Human Biology 24:226.
- 2012 *Project REPA (Reproduction & Ecology in Provincia Aroma): Does investment in lactation vary seasonally in Bolivian agropastoralists?* RM Bedwell, J Thornburg, VJ Vitzthum. American Association of Human Biology, Portland, OR. Abstract: American Journal of Human Biology 24:219.
- 2011 *East meets West: Evaluations of the potential role of early life conditions on adult ovarian steroid levels in Mongolian and German women*. VJ Vitzthum, J Thornburg, F Schaebs, C Deimel, T Deschner. American Association of Human Biologists, Minneapolis, MN. Abstract: American Journal of Human Biology 23:282-3.
- 2011 *Project REPA: The timing of menopause in a population with high mortality risks*. JC Burch, VJ Vitzthum. American Association of Human Biologists, Minneapolis, MN. Abstract: American Journal of Human Biology 23:254.
- 2011 *Project REPA: Investigating trade-offs between lactation and maternal somatic investment in breastfeeding rural Bolivian women*. A Rollins, H Spielvogel, J Thornburg, VJ Vitzthum. American Association of Human Biologists, Minneapolis, MN. Abstract: American Journal of Human Biology 23:274-5.
- 2011 *New data demonstrates that relationship of salivary to serum progesterone in Bolivian women is comparable to that in other populations*. J Thornburg, R Stewart, D Bellido, H Spielvogel, L Echalar, JC Burch, VJ Vitzthum. American Association of Human Biologists, Minneapolis, MN. Abstract: American Journal of Human Biology 23:280-1.
- 2011 *Aymara mtDNA variation and demographic history in the Central Andes*. K Batai, VJ Vitzthum, SR Williams. American Association of Physical Anthropologists, Minneapolis, MN. Abstract: American Journal of Physical Anthropology 144 (Supplement 52):83.

- 2011 *Ovarian hormones and inflammation in urban Bolivians.* CM Worthman, M Karamali, VJ Vitzthum. American Association of Physical Anthropologists, Minneapolis, MN. Abstract: American Journal of Physical Anthropology 144 (Supplement 52):83.
- 2009 *Comparison of urinary PdG and salivary progesterone levels for the assessment of ovarian functioning: a study of nomadic Mongolian herders.* T Deschner, C Deimel, F Schaebs, K Jurado, VJ Vitzthum. Human Biology Association, Chicago, IL.
- 2009 *Does high animal fat and protein consumption alter the duration of ovarian cycle phases? Evidence from a study of nomadic Mongolian herders.* K Jurado, VJ Vitzthum, C Deimel, T Deschner. Human Biology Association, Chicago, IL.
- 2009 *Quantifying the selection bias in cross-sectional studies of ovarian hormones.* J Thornburg, VJ Vitzthum. Human Biology Association, Chicago, IL.
- 2009 *Evolutionary explanations and proximate determinants of variation in progesterone levels during pregnancy.* VJ Vitzthum, J Thornburg, H Spielvogel. Human Biology Association, Chicago, IL.
- 2008 *Ovarian functioning and environmental quality: Is dietary fat a signal independent of energy intake?* VJ Vitzthum, T Deschner, J Thornburg, H Spielvogel, PL Whitten. Human Biology Association, Columbus, OH.
- 2008 *Salivary progesterone as a proxy for serum progesterone: reports of its death have been greatly exaggerated.* J Thornburg, H Spielvogel, VJ Vitzthum. Human Biology Association, Columbus, OH.
- 2008 *Are there significant interpopulational differences in the ratio of salivary to serum progesterone?* J Thornburg, H Spielvogel, VJ Vitzthum. American Association of Physical Anthropologists, Columbus, OH.
- 2007 *Adequacy of steroid levels for the regulation of gonadotrophin secretion during the ovarian cycles of Bolivian women.* VJ Vitzthum, CM Worthman, H Spielvogel, J Thornburg. Human Biology Association, Philadelphia, PA.
- 2007 *Do ovarian steroid levels covary within and between and between populations?* VJ Vitzthum, CM Worthman, H Spielvogel, J Thornburg. American Association of Physical Anthropologists, Philadelphia, PA.
- 2006 *Economic strategies and the risk of early pregnancy loss in a rural Bolivian population.* VJ Vitzthum, H Spielvogel, and J Thornburg. British Society for Population Studies, Southampton, UK.
- 2006 *Economic strategies and reproductive functioning: Risk factors for early pregnancy loss in a rural Bolivian population.* VJ Vitzthum, H. Spielvogel, J. Thornburg. Human Biology Association, Anchorage, Alaska.
- 2006 *Early pregnancy loss as a reproductive strategy: Evidence from a longitudinal study of Bolivian agropastoralists.* VJ Vitzthum, H Spielvogel, and J Thornburg. American Association of Physical Anthropologists, Anchorage, Alaska.
- 2005 *A surprising role of progesterone in early pregnancy loss.* VJ Vitzthum, H Spielvogel, J Thornburg. American Association of Physical Anthropologists, Milwaukee WI.
- 2005 *Novel variation in diurnal rhythms of salivary testosterone in rural Bolivian men.* CM Worthman, VJ Vitzthum, CM Beall, E Vargas, M Villena, R Soria, H Spielvogel. American Association of Physical Anthropologists, Milwaukee WI.
- 2004 *Circadian variation in testosterone among Bolivian men indigenous to high altitude.* VJ Vitzthum and CM Worthman. Sixth World Congress on High Altitude Medicine, Xining, China.
- 2004 *A comparison of C-reactive protein levels in adolescents from lowland and highland Bolivia.* K Hicks, VJ Vitzthum et al. Human Biology Association, Tampa, FL.
- 2003 *To breed or not to breed: Flexible responsiveness of the human female reproductive system to environmental signals.* V J Vitzthum and H Spielvogel. American Association of Physical Anthropologists, Tempe, AZ.
- 2003 *Homeostasis, acclimatization, and human reproduction.* Human Biology Association, Tempe, AZ.
- 2003 *Rates of fetal loss in Bolivian women indigenous to high altitude.* VJ Vitzthum and H Spielvogel. Human Biology Association, Tempe, AZ.
- 2002 *A number no greater than the sum of its parts: The use and abuse of heritability.* American Association of Physical Anthropologists, Buffalo, NY.
- 2002 *Does menses duration in rural Aymara women co-vary with nutritional status?* A Miller, H Spielvogel, and VJ Vitzthum. Human Biology Association, Buffalo, NY.

- 2002 *Energy expenditure across the menstrual cycle in Bolivian women native to high altitude.* TA Viola, TD Brutsaert, H Spielvogel, VJ Vitzthum. Human Biology Association, Buffalo, NY.
- 2001 *Conception, development, and maturation: The life history of human reproductive ecology.* American Anthropological Association, Washington, DC.
- 2001 *Vaginal bleeding duration in non-contracepting Aymara women: Relationship to occurrence of conception and fetal loss.* VJ Vitzthum and H Spielvogel. Human Biology Assoc, Kansas City, MO
- 2000 *Hormonal contraception and physiology: A research based theory for differences in discontinuation due to side effects.* VJ Vitzthum and K Ringheim. Population Assoc of America, Los Angeles, CA
- 2000 *Prospective longitudinal study of menstrual patterns in an agropastoral Aymara population.* VJ Vitzthum, H Spielvogel and E Caceres. American Assoc Physical Anthropologists, San Antonio, TX.
- 2000 *Ecological correlates of diurnal variation in gonadal and adrenal activity in rural Bolivian Aymara men.* JF Stallings, VJ Vitzthum and CM Worthman. Am Assoc Physical Anthropol, San Antonio, TX
- 2000 *Exercise performance and menstrual cycle phase in high altitude native women at 3600m.* TD Brutsaert, H Spielvogel, E Caceres, M Araoz, R Chatterton and VJ Vitzthum. American Association of Physical Anthropologists, San Antonio.
- 2000 *Alternate economic strategies and nutritional anthropometry of women in American Samoa and highland Bolivia.* JR Bindon and VJ Vitzthum. Human Biology Association, San Antonio, TX
- 2000 *Salivary estradiol levels from conception and nonconception cycles in rural Bolivian women.* GR Bentley, VJ Vitzthum, E Caceres, H Spielvogel, SD Bovenkerk, YC Lu and RT Chatterton. Human Biology Association, San Antonio, TX.
- 1999 *Association of low salivary progesterone with low salivary cortisol levels in rural Aymara women.* A McCluskey, GR Bentley, VJ Vitzthum, H Spielvogel, E Caceres, K Heidleberg, RT Chatterton. American Association of Physical Anthropologists, Columbus, OH.
- 1998 *Variación en Niveles de Progesterona Salival entre Mujeres Bolivianas Pobres y Ricas en La Paz.* VJ Vitzthum, H Spielvogel, E Caceres, G Bentley, K Heidelberg, K Crone, R Chatterton. V Congreso de la Asociación Latinoamericana de Antropología Biológica. Havana, Cuba.
- 1998 *Correlates of conception in high altitude Aymara women.* VJ Vitzthum, GR Bentley, H Spielvogel, E Caceres, K Heidelberg, K Crone, RT Chatterton. Federation of American Societies of Experimental Biology, San Francisco, CA. The FASEB Journal 12(5):A726.
- 1998 *Fecundity in nutritionally stressed indigenous Bolivian women.* VJ Vitzthum, GR Bentley, H Spielvogel, RT Chatterton. Population Association of America, Chicago, IL.
- 1998 *Reproduction and ecology in Provincia Aroma, Bolivia: Fecundity of women with low levels of salivary progesterone.* GR Bentley, VJ Vitzthum, E Caceres, H Spielvogel, K Crone, L May, RT Chatterton. American Association of Physical Anthropologists, Salt Lake City, UT.
- 1997 *Salivary progesterone profiles of urban high altitude Bolivian women.* Abstract: AJHB 9:147. VJ Vitzthum, H Spielvogel, E Caceres, LK May, RT Chatterton. Human Biology Association, St. Louis, MO.
- 1997 *Longitudinal evaluation of variation in hemoglobin status during the menstrual cycle.* Abstract: AJPA, Supplement 24:233. VJ Vitzthum and VM Aguayo. American Association of Physical Anthropologists, St. Louis.
- 1997 *Use of the body mass index as an indicator of the nutritional status of poor Bolivian women living at high altitude.* Abstract: AJHB 9:122. VM Aguayo and VJ Vitzthum. Human Biology Association, St. Louis, MO.
- 1994 *Salivary progesterone profiles of indigenous Andean women.* Abstract: AJPA, Supplement 18:201. VJ Vitzthum, PT Ellison, S Sukalich. Am. Assoc. Physical Anthropologists, Denver, CO.
- 1992 *Lack of concordance between maternal recall and observational data on breastfeeding.* Abstract: AJPA, Supplement 14:168. American Association of Physical Anthropologists, Las Vegas, NV.
- 1990 *An adaptational model of ovarian function.* Abstract: Abstracts, 89th Annual Meeting, p. 232. American Anthropological Association, New Orleans, LA.
- 1990 *The effects of coca-leaf chewing on assays of ovarian steroids in human saliva.* Abstract: AJPA 81:311. VJ Vitzthum, M von Dornum and I Sandy. American. Assoc. of Physical Anthropologists, Miami, FL.
- 1989 *Evaluation of data on menstrual status and activity: An evolutionary perspective.* Abstract: AJPA 78:318. VJ Vitzthum and SL Smith. American Assoc. of Physical Anthropologists, San Diego, CA.

- 1987 *The role of climatic factors in odontometric variability of olive baboons.* Abstract: AJPA 72:266. American Association of Physical Anthropologists, New York City, NY.
- 1986 *Breast-feeding patterns in a rural highland Peruvian community.* Abstract: AJPA 69:275. American Association of Physical Anthropologists, Albuquerque, NM.
- 1985 *Ecological correlates of intraspecific variation in Cercopithecidae.* Abstract: AJPA 66:239. American Association of Physical Anthropologists, Knoxville, TN.
- 1984 *The implications of interpopulational variation for defining paleospecies.* Abstract: AJPA 63:232. American Association of Physical Anthropologists, Philadelphia, PA.
Recipient of the Sherwood Washburn Student Paper Award.
- 1984 *A dental metric assessment of the phylogenetic position of A. africanus.* Abstract: AJPA 63:172. K.D. Hunt and V.J. Vitzthum. American Assoc of Physical Anthropologists, Philadelphia, PA.
- 1984 *Was Australopithecus africanus ancestral to the genus Homo?* Abstract: AJPA 63:237. L.A. Yarocho and V.J. Vitzthum. American Association of Physical Anthropologists, Philadelphia, PA.
- 1983 *Assessing the level and components of sexual dimorphism.* Abstract: AJPA 60:266. American Association of Physical Anthropologists, Indianapolis, IN.
- 1980 *The impact of random founder effect and lineal fission on the phyletic divergence of small human groups: A case study among the Yanomama.* Abstract: AJPA 52:282. PE Smouse, VJ Vitzthum and JV Neel. American Association of Physical Anthropologists, Niagara Falls, NY.
- 1979 *Random founder effect and lineal fission in the Yanomama and the rapid phyletic divergence of small human groups.* P Smouse, V Vitzthum, and J Neel. Society for the Study of Evolution, Boulder, CO.

SELECTED INVITED PRESENTATIONS

- 2012 *Adaptive and non-adaptive variation in women's reproductive functioning: Evidence from Bolivia, Mongolia and Germany.* Human Evolutionary Studies Program, Simon Fraser University, British Columbia.
- 2010 *From Adobe Huts to Big Cities: Anthropological Insights into Human Reproduction.* Department of Pediatrics, Section on Adolescent Medicine, IU School of Medicine.
- 2010 *Human Reproductive Functioning in Diverse Environments: Proximate and Evolutionary Explanations.* Division of Clinical Pharmacology, IU School of Medicine."
- 2010 *Why not so great is still good enough: An evolutionary explanation of variation in human fertility.* Lethbridge University, Canada.
- 2010 *Resolving paradoxes in women's reproductive functioning.* AND *Why not so great is still good enough: an evolutionary explanation of variation in human fertility.* Distinguished Speaker Series, Department of Anthropology, University of Oklahoma, Norman.
- 2010 *From adobe huts to big cities: Anthropological insights into human reproduction.* Department of Pediatrics, Section on Adolescent Medicine, Indiana University School of Medicine, Indianapolis.
- 2010 *Human reproductive functioning in diverse environments: Proximate and evolutionary explanations.* Personalized Therapeutics Seminar, Division of Clinical Pharmacology, Indiana University School of Medicine, Indianapolis.
- 1999 *Cascading consequences: The impact on fertility of substitute feeding for infants of HIV positive mothers.* USAID, Washington DC.
- 1998 *Natural variation in ovarian function and the proximate determinants of fertility.* Dept Anthropology, SUNY, Albany.
- 1994 *The scheduling of on-demand breastfeeding: The roles of nutrition and work patterns.* International Nutrition Program, Cornell University, Ithaca.
- 1994 *Facultative males: The cross-cultural dynamics of Bolivian/American gender and sexuality.* U.S. Peace Corps Training Center, Cochabamba, Bolivia.
- 1994 *Developmental stress and adult responsiveness: The evolution of flexibility in human reproduction.* Human Development Graduate Group, University of California, Davis.
- 1994 *A delicate balance: The ecology of production and reproduction in the Bolivian Andes.* Department of Anthropology, University of California, Davis.
- 1993 *Resolution of a paradox: The role of energy balance in human reproduction.* Department of Anthropology, University of California, Los Angeles.
- 1993 *The role of anthropology in the study of women's and children's health.* Calvert Institute, Cochabamba, Bolivia.

TEACHING EXPERIENCE**Teaching Awards (University of California, Riverside)**

1994 University Honors Program; Professor of the Year
 1993 Exceptional Instructor Award

Instructional Grants (University of California, Riverside)

1994 Instructional Development Grant
 1992 Undergraduate Major Instructional Improvement Grant (with Dr. S. Fedick)
 1990-1994 Faculty Grants (6) for Support of Undergraduate Education

Courses Taught*Indiana University, Bloomington (Fall 2008-Fall 2015)*

1 semester Human Reproductive Ecology
 1 semester Anthropometrics
 2 semester Evolutionary Theory
 1 semester Introduction to Bioanthropology
 2 semester Women's Bodies (Graduate Seminar)
 2 semester Biology and Culture of Women's Bodies (Freshman Critical Approaches Course)
 1 semester Complex Problems of Humanity: Reproductive Health (Capstone Seminar, Human Biology Program)
 1 semester Human Dilemmas: Human Sexuality (Human Biology Program)
 1 semester Bioanthropology Research Methods
 1 semester Evolutionary Medicine

Binghamton University, SUNY: Department of Anthropology (Fall 1999-Spring 2001)

2 semesters International Health
 1 semester The Biology and Culture of Women's Reproduction
 1 semester Reproductive Ecology
 1 semester Medical Anthropology: Human Biology and Health
 1 semester Introduction to Biological Anthropology
 1 semester Darwinian Medicine

University of California, Riverside: Department of Anthropology (Fall 1990-Spring 1998)

6 terms Introductory Biological Anthropology
 2 terms Human Reproductive Ecology
 2 terms The Reproductive Biology of Women
 1 term Human Adaptation
 2 terms The Biology and Culture of Human Variation
 4 terms Human Osteology and Advanced Human Osteology
 2 terms Human Paleontology
 1 term The Fate of the Neandertals
 1 term Field Methods in Biological Anthropology
 4 terms Human Heredity (*Department of Biology*)

University of Michigan, Ann Arbor: Lecturer, Anthropology and Instructor, English Composition Board (1981-88)

4 semesters Introductory Biological Anthropology
 4 semesters Biology, Society, and Culture
 1 semester Introduction to Anthropology
 2 semesters Primate Social Behavior
 1 semester Problems of Race

ADMINISTRATIVE AND SERVICE EXPERIENCE

Acting Director, Human Biology Program (2014-2015)
 College Tenure Committee (2013-2015)
 Chair Search Committee for Bioanthropologist (Fall 2014)
 Co-Chair, Anthropology Curriculum Committee (Fall 2014)
 Editorial Board, *PLoS One* (2008- current)
 Editorial Board, *The Journal of Sex Research* (2009- current)
 Executive Committee, Anthropology Dept, Indiana U. (2011- 2012)
 Secretary-Treasurer, Human Biology Association (2012-2017)
 Contributing Editor, Anthropology Newsletter, Biological Anthropology Section (2006-2012)
 Executive Board, Biological Anthropology Section, Am. Anthropological Assoc. (2006-2012)
 North American Secretary-Treasurer, Society for the Study of Human Biology (2008-2012)
 Chair, Graduate Student & AI Review & Award Comm., Anthropology, Indiana U. (2008-12)
 Workshop in Methods, Advisory Committee member, representing Anthropology Dept., IUB

Binghamton University

Program Latin American and Caribbean Area Studies Program; Women's Studies Program;
Affiliations Associate Director, Institute for Primary and Preventative Health Care
Departmental Service Undergraduate Advisor for Bioanthropology; Chair, Occupational and Environmental Health and Safety Committee; Workshop Coordinator: CV Preparation for Graduate Students.

University of California, Riverside

Program Latin American Studies Program; Women's Studies Department; Human
Affiliations Development Program; Center for Family Studies; University Honor's Program
University Service Executive Committee; Human Subjects Review Committee; Academic Senate Committee on Courses; University Honor's Program (Executive Committee); Minority Summer Research Internship Program (Faculty Mentor)
Departmental Service Founder and Faculty Editor, *Anthrophiles* (Departmental Newsletter); Graduate Program Co-Advisor; Faculty Advisor, James C. Young Colloquim; Chair: Curriculum Committee; Speaker's Committee; Recycling Committee.

Professional Service

Consultant World Health Organization, Geneva
 POPTECH, Washington DC
 U.S. Peace Corps, Bolivia
Committees Human Biology Association, Nominations and Elections Committee
 Human Biology Association, Program Committee
 American Association of Physical Anthropology, Program Committee
 Society for the Study of Human Biology, [Executive] Committee Member
Field Supervisor Intern from Population-Environment Dynamics Project, University of Michigan; La Paz, Bolivia (1995).
Lab Director Osteological analyses, Belize River Archaeological Settlement Survey (1993-94).
Coordinator Symposium Series: Evolution and Diet; University of Michigan (1987)
Grants Review Panels National Institutes of Health (March 1995)
 National Science Foundation (2006, 2011, 2014)
Proposal and Manuscript Reviewer National Science Foundation, UC Mexus Consortium; and American Journal of Physical Anthropology, American Journal of Human Biology, Human Biology, Annals of Human Biology, Journal of Nutrition, Human Nature, Proceedings of the Royal Society B, Prentice Hall, Cambridge University Press, UC Press, Oxford Press, and others.
Professional Memberships American Association of Physical Anthropologists
 American Anthropological Association: Biological Anthropology, Evolutionary Anthropology Sections.

Human Biology Association
Society for the Study of Human Biology
Population Association of America
International Academy of Sex Research
Sigma Delta Epsilon (Graduate Women in Science)