

## CURRICULUM VITAE

Name: Timothy Blair Gage, Ph.D.

Date of Birth: April 15, 1950      Place: Springfield, Ohio

Education:

	<u>Degree</u>	<u>Date</u>	<u>Major Field</u>
Kalamazoo College	B.A.	1972	Sociology and Anthropology
The Pennsylvania State University	M.A.	1974	Anthropology
The Pennsylvania State University	M.S.	1979	Ecology
The Pennsylvania State University	Ph.D.	1982	Anthropology

Present Position:

1995-present	Professor, Department of Anthropology, University at Albany, State University of New York, Albany, New York.
1995-present	Professor, Department of Epidemiology and Biostatistics, School of Public Health, University at Albany, State University of New York, Albany, New York.
1998-present	Scientist (adjunct), Department of Genetics, Texas Biomedical Research Institute, (formerly Southwest Foundation for Biomedical Research), San Antonio, Texas.
2008-present	Director, Center for Social and Demographic Analysis, University at Albany, State University of New York, Albany, New York.

Previous Positions:

2003-2008	Director, Statistics and Computing for the Center for Social and Demographic Analysis.
2002-2005	Chair, Department of Anthropology, University at Albany, State University of New York, Albany, New York.
1997-2000	Director, Statistics and Computing for the Center for Social and Demographic Analysis.
1992-1997	Associate Scientist (adjunct), Department of Genetics, Southwest Foundation for Biomedical Research, San Antonio, Texas.
1990-1995	Associate Professor, Department of Anthropology, University at Albany, State University of New York, Albany, New York.
1990-1995	Associate Professor, Department of Epidemiology, School of Public Health, University at Albany, State University of New York, Albany, New York
1986-1990	Assistant Professor, Department of Anthropology, University at Albany, State University of New York, Albany, New York.
1989-1990	Assistant Professor, Department of Epidemiology, School of Public Health, University at Albany, State University of New York, Albany, New York
1985-1986	Assistant Scientist, Genetics Department, Southwest Foundation for Biomedical Research, San Antonio, Texas.
1982-1985	Postdoctoral Scientist, Genetics Department, Southwest Foundation for Biomedical Research, San Antonio, Texas.

1980-1982 Research Assistant, Department of Family Practice, College of Medicine, University of South Alabama.

1980-1982 Adjunct Instructor, Department of Sociology and Anthropology, University of South Alabama.

1977-1979 Instructor, Division of Continuing Education, The Pennsylvania State University.

1972-1975 Field Archeologist, Foundation for Archeological Research, Sacramento State University.

Active and Pending Support:

NICHD R24 HD044943 Center for Social and Demographic Analysis at the University at Albany, SUNY. (Timothy B Gage, PI) 7/01/2012-6/30/2017. Total Costs \$1,836,668

NIA R21 Heterogeneity at birth and the risk of obesity of the life course. (Timothy B. Gage, PI) Period of Support 1/01/2014-12/31/2015. Pending.

NICHD R21 Heterogeneity at birth and the diseases of aging. (Timothy B. Gage, PI) Period of Support 4/01/2014-3/31/2016. Pending.

NICHD R01 Migration and the Well-Being of Left-Behind Children in China. (Zai Liang, PI) Period of Support 7/01/2014-6/30/2017. Pending.

Previous Grant Awards:

NICHD RO1 HD37405 The Determinants of Infant Mortality: Statistical Models. (Timothy B. Gage, PI) Period of Support 12/1/06-11/30/11. Total Costs \$1,038,865. Funded.

NICHD R24 HD044943 Center for Social and Demographic Analysis at the University at Albany. (Timothy Gage PI, and Director). Period of Support 7/1/07-6/30/12. Total Costs \$3,890,632. Funded.

NICHD R24 HD044943-06SI ARRA supplement, Center for Social and Demographic Analysis at the University at Albany. (Timothy Gage PI,). Period of Support 9/30/09-9/29/11. Total Costs \$338,521. Funded.

NICHD RO3 Fetal Programming and Human Physical Performance. (Tom Brutsaert, PI, T. Gage CoPI) Period of Support 4/1/08-3/31/10. Total Costs \$138,304.

NICHD R24 HD044943 Albany Population Center. (Logan, John original PI, Alba Richard PI. Gage, T.B. Director of Statistics and Computing Core). Total Costs: \$1,081,815. Period of Support 7/15/04-7/14/07.

FRAP Faculty Grant A Preliminary Studies of Metabolic Syndrome in Costa Rica. (Tom Brutsaert and Timothy Gage coPIs) Total Costs \$10,000. Period of Support 9/1/06-8/31/07.

NICHD RO1 HD37405 The Determinants of Infant Mortality: Statistical Models. (Timothy B. Gage, PI) Total Costs \$323,959. Period of Support 4/1/00-3/31/04.

SUNY 2<sup>ND</sup> Meeting of the State University of New York Biological Anthropologists. (Timothy B. Gage PI). Total Costs \$4,500 (\$1500, Research, \$1500, CAS, \$1500 Anthropology) Period of Support 2/20/2002-2/19/2003.

NICHD P30 HD32041 Population Research Center Core Grant (P30) (Stewart E. Tolnay PI; Timothy B. Gage, Director Statistical/Computing Core), Total Costs Requested \$3,707,551. Period of Support 10/1/97-6/30/02.

FRAP Faculty Grant, The Environmental Epidemiology of Pesticide Exposure in Buenos Aires, Costa Rica. (Gage, T. PI). Total Costs \$9,810. Period of Support 1/1/96-7/15/97.

NSF Instrumentation Grant, SBR-9512290. Building a Computing Infrastructure for Data-Intensive Social Science. (Gage, T. PI). Total Costs \$72,484. 6/1/1995-1/31/1997.

International Food Policy Research Institute Grant. Projecting trends in obesity and chronic disease in developing countries. (Gage, T. and Pellitier, D. co-PIs). Total Costs \$13,600, Period of Support 1/1/95-12/31/95.

Dean's Faculty Support Fund, Enhancing the Computing Infrastructure in the Center for Social and Demographic Analysis. (Gage, T., Jaccard, J. and Tolnay, S. co-PIs) Total Costs \$18,500, Period of Support 1/1/95-12/31/95.

NSF Grant, Exploratory Research: Demographic Reconnaissance of Buenos Aires Costa Rica. (T. B. Gage, P.I.) Total Costs \$19,887. Period of Support 7/26/93--7/31/94.

NICHD, Grant R01, HD25346, Mortality and Nutritional Status: A Demographic Analysis. (T. B. Gage, P.I.) Total Costs \$228,235. Period of Support: 01/01/89-12/31/93

NICHD, Grant R23, HD22981, Competing Hazard Models of Mortality and Fertility. (T. B. Gage, P.I.) Total Costs \$108,720. Period of Support: 09/01/86-08/31/88.

CSDA Center Associates Program. (T. B. Gage) Nutrition and mortality: A demographic analysis. Total Costs: \$3000, Period of Support: 01/01/91-12/31/91.

NYS/UUP New Faculty Development Award. (T. B. Gage, P.I.) Total Costs: \$480.00 Period of Support 1988.

Hill Foundation Grant for Field Work, The Pennsylvania State University, Total Costs: \$1500.00 Period of Support 1977-1978.

Professional Organizations:

Human Biology Association (Fellow)  
 Publications Committee, 2007-2011 Chair 2008-2009  
 Enrollment Committee, Chair, 1992-1995

American Association of Physical Anthropologists  
 Program Committee 1993-1996

American Association of Anthropological Genetics  
 Vice President and President elect, 1998-1999  
 President, 1999-2000  
 Executive committee, 2000-2001

Population Association of America

American Association of Anthropologists (Fellow)  
 Executive Committee, 1991-1993

Sigma Xi

International and National Committees:

National Children's Study, Special Emphasis Panel 2012/10 ZHD1 DSR-K (60) National Institutes of Health (member). August 20, 2012.

Research Infrastructure Panel Scientific Review Group 2011 ZHD1DSRW50. Review Panel of the National Institutes of Health (member), May 17-18 2011.

New York Census Research Data Center, Baruch College, member, Board of Directors. 2008-present.

Association of Population Centers. Member 2008-present.

Social Science and Population Study Section (HOP) Review Panel of the National Institutes of Health (Permanent member 2007-2011), Three meetings each year.

Special Emphasis Panel Scientific Review Group 2009/01 ZAG1 ZIJ-7 (J2) Review Panel of the National Institutes of Health (member) October 10 2008.

Special Emphasis Panel Scientific Review Group 2008/01 Zag1 ZIJ J1. Review Panel of the National Institutes of Health (member) October 31, to November 1, 2007.

National Children Survey West Coast Review ZHD1-DRGA (01) Review Panel of the National Institutes of Health (member) May 19-21, 2007

Social Science and Population Study Section CHHD-W (7) Review Panel of the National Institutes of Health (member) March 15-16, 2007

Social Science and Population Study Section ZRG1 HOP B (90S) Review Panel of the National Institutes of Health (member) October 27, 2007

Social Science and Population Study Section CHHD-W (7) Review Panel of the National Institutes of Health (member) June 15-16, 2006

Social Science and Population Study Section ZRG1 HOP-B (90) Review Panel of the National Institutes of Health (member) February 24, 2006

Social Science and Population Study Section ZRG1 HOP-B (90) Review Panel of the National Institutes of Health (member) October 28, 2005

Social Science and Population Study Section ZRG1 HOP-B (90) Review Panel of the National Institutes of Health (member) February 25, 2005

Diversitas; An International Programme of BioDiversity Science, (Convenor of Human Dimensions Component) IUBS, 1996- 2002.

PSC NICHD Study Section CHHD-W S Population Sciences Subcommittee of the National Institute of Health (Member) Nov. 13-14 2003.

Stigma and Global Health Review Panel 1 (TW-03-001) of the National Institute of Health (member) March 6-7, 2003.

Biological and Physiological Sciences Special Emphasis Panel (ZRG2 SSS F05) of the National Institutes of Health (Member) July 17-18, 1997.

Population and Environment Study Section (RFA HD 95-002) of the National Institutes of Health (Member) March 28-29, 1995.

Behavioral Medicine Study Section (AHR-M1) of the National Institutes of Health, (Member) March 13, 1992.

Behavioral Medicine Study Section (AHR-M1) of the National Institutes of Health, (Member) Washington, August 2, 1991.

Social Science and Population Study Section of the National Institutes of Health, (Special Member) Washington, October 11-12, 1990.

Editorial Boards and Referee Panels:

Biodemography and Social Biology (editorial board 2011-present)

International Journal of Population (editorial board 2011-present)

Demographic Research (scientific review board 2002-present)

Human Biology (editorial board 1986-1988 and 1990-2010)

Journal of Quantitative Anthropology (editorial board 1989-1995)

The American Journal of Human Biology (editorial board 1988-1998)

Demography

Population Development Review

Human Evolution

International Journal of Anthropology

American Journal of Physical Anthropology

Journal of Theoretical Biology

Journal of Cross Cultural Gerontology

American Journal of Primatology

Institute for Laboratory Animal Research Journal

Social Forum

Mathematical Biosciences

American Journal of Hypertension

Journal of Genetics

Ethnicity and Disease

Journal of Archaeology Science

Honors and Fellowships :

The 2009 Population Association Poster Award, for “Who and how does prenatal care help: “normal” or “compromised” births”.

The 2008 Outstanding Researcher/Scholar Award, The Research Foundation of the State University of New York.  
The 2006 Presidents Excellence in Research Award, University at Albany, State University of New York.  
The 2004 Population Association Poster Award, for "Mixed logistic regressions with covariate density defined components: Applications to Birth Outcomes".  
The 2002 Gabriel W. Lasker Award. For the most significant article to appear in Human Biology: The International Journal of Population Biology and Genetics  
The 1994 Gabriel W. Lasker Award. For the most significant article to appear in Human Biology: The International Journal of Population Biology and Genetics.  
Fellow of the Center for Social and Demographic Analysis (1991-present)  
Sigma Xi Honor Society  
PHS Traineeship in Human Biology, Department of Anthropology, The Pennsylvania State University, 1977-1978.  
Fellow in the Interdisciplinary Graduate Program in the Humanities, The Pennsylvania State University, 1976-1977.  
Senior Award in Anthropology, Kalamazoo College, 1972.

Field Experience:

Research in Micro-Demography, Agricultural Economics, and Tropical Deforestation, Costa Rica, 1994-present  
Research on the Biocultural Characteristics of a Modernizing Population, American Samoa, 1977-1978.  
Research in California Archeology, 1970-1975.  
Research in Settlement Pattern Archeology, Valley of Mexico, 1974.

Computer Languages:

FORTRAN, APL, Basic, Pascal

Statistical Packages:

S-plus, R, SYSTAT, Data Desk, SAS, SPSS

### Teaching Experience:

Introduction to Physical Anthropology (undergraduate).  
Anthropological Demography (undergraduate).  
Human Population Genetics (undergraduate and graduate course in classical population genetics, can be taken for credit in either Anthropology or Biology at SUNY-Albany)  
Human Population Biology (undergraduate and graduate course in Human Biology/Ecology).  
Quantitative Methods and Statistics in Anthropology (2 semester graduate course in univariate and multivariate statistics).  
Proseminar in Physical Anthropology (graduate level introduction to physical anthropology).  
Demographic Methods in Anthropological Demography and Epidemiology (graduate level seminar).  
Seminar in Human Mortality Patterns (graduate level seminar).  
Seminar in Formal Demography (graduate level seminar).  
Seminar Evolution of Life Histories (graduate level seminar).  
Seminar in Darwinian Medicine (graduate level seminar)  
Seminar in Biodemography (graduate level seminar)

### Service to the University (SUNY) Current

Director of the Center for Social and Demographic Analysis (2008-present)  
Awards Committee (Anthropology Department, 2013-14, chair)  
Curriculum Committee (Epidemiology Department, 1993-present)  
Computation, Networking and Visualization Research Core (CNVRC), (University, 2005-present)

### Service to the University (SUNY) Previous

University at Albany Middle States Review; Institutional Resources Committee (2008-2010, Chair)  
Advisory Board of the Center for Social and Demographic Analysis (College of Arts and Sciences, 1988-2008).  
Director, Statistics and Computing Core, (Center for Social and Demographic Analysis, College of Arts and Sciences, 2003-2008)  
Planning committee Anthropology Department (Chair, 2005-2007).  
Biological Anthropology Search Committee (Anthropology Department, 2007-08)  
Graduate Dean's Advisory Group (University, 2005-2007)  
Infectious Disease Ecology Search Committee (Biology Department, 2006-07)  
Biological Anthropology Search Committee (Anthropology Department, 2005-06)  
Tenure and Promotion Committee, CAS (2005-2007) Chair, 2006-07  
College of Arts and Sciences, College Council (College, 2005-07).  
Chair, Department of Anthropology (2002-2005)  
Search Committee, Faculty Recruitment, Center for Social and Demographic Analysis (University at Albany 2000-2001)  
Director, Statistics and Computing Core, (Center for Social and Demographic Analysis, College of Arts and Sciences, 1994-2000)  
Graduate Affairs Committee (Anthropology Department, 1993-1995, 1996- 1998 (Chair), 1999).  
Middle-states Review Preparation Committee: Computing subcommittee. (1999, Chair)  
Search Committee (Chair), Human Population Biologist (University at Albany, 1997-1999)  
Co-director and Developer of the Human Biology Program at Albany (SUNY, 1988-1992, 1994-1997, 2000-2002)  
Population Center Grant Preparation Committee (Center for Social and Demographic Analysis, College of Arts and Sciences, 1992-1993, 1996-1997, and 2003-2004 ).  
LISC (University Governance Committee, 1993-1994, 1997-1998)  
CONE (University Governance Committee, 1997-1998)  
Search Committee, Faculty Recruitment, Center for Social and Demographic Analysis (University at Albany 1997-1998)

Ad Hoc Faculty Committee on Computing (University at Albany, Chair, 1996-1998)  
 Research Incentives Committee (University at Albany, 1996-1998)  
 Search Committee, UNIX Group Manager (University at Albany, Chair, 1996)  
 Search Committee, UNIX Systems Manager for the Center for Social and Demographic Analysis  
 (University at Albany, Chair, 1997)  
 Search Committee, Librarian for the Center for Social and Demographic Analysis (University at  
 Albany, 1997)  
 Search Committee, UNIX Systems Manager (University at Albany, 1997)  
 Search Committee, Computer Support Position (College of Arts and Sciences, 1996-1997)  
 Technology Planning Group (University at Albany, 1996-1997)  
 Undergraduate Academic Council (University Governance Committee, 1996-1997).  
 Interdisciplinary Committee (University Governance Committee, Chair, 1996-1997)  
 Undergraduate Program Evaluation Committee (University Governance Committee, 1995)  
 Computer Accounts Manager (Anthropology Department, 1987-1992, 1993)  
 Grants Review Committee (Center for Social and Demographic Analysis, College of Social and  
 Behavioral Sciences, 1992-1994).  
 Personnel Committee (College of Social and Behavioral Sciences, 1991- 1992)  
 Computer Committee (College of Social and Behavioral Sciences, 1989-1992)  
 Instructional Technologies Committee, (University at Albany, 1990-1992; Chair 1991-1992)  
 Tenure and Promotion Committee, (Epidemiology Department, 1991-1992)  
 Search Committee, Human Biologist (Anthropology Department, Chair, 1996)  
 Search Committee, Visiting Assistant Professor (Anthropology Department 1996, Chair)  
 Undergraduate Affairs Committee (Anthropology Department, 1988-1992, 1995-1996)  
 Search Committee, Meso-American Archaeologist, Historical Archaeologist, Meso-American  
 Ethnologist (Anthropology Department, 1989-1990)  
 Search Committee, Programmer (Center for Social and Demographic Analysis, College of Social  
 and Behavioral Sciences, 1992-1993).  
 Search Committee, Demographer (Sociology Department, 1987-1988)  
 Search Committee, Computer Programmer (College of Social and Behavioral Sciences, 1989)  
 Academic Committee (College of Social and Behavioral Sciences, 1988-1989)  
 Benevolent Association Grants (Anthropology Review Panel, 1987, 1988)  
 Travel Committee (Chair, Anthropology Department, 1989)  
 Fullbright Campus Selection Committee (SUNY International Programs, 1989)  
 Statistics Faculty Committee (SUNY, 1988-1989)

Theses and Dissertation:

1. Gage, T. B. The ecology of California subsistence systems. M.A. paper, Department of Anthropology, The Pennsylvania State University, 1974.
2. Gage, T. B. Division synchrony and the dynamics of microbial populations: A model. M.S. paper, Ecology Program, The Pennsylvania State University, 1979.
3. Gage, T. B. Ecological theories of diet and food production: A case study of Samoan subsistence agriculture. Ph.D. dissertation, Department of Anthropology, The Pennsylvania State University, 1982.

Publications in Refereed Journals:

1. Gage, T. B. The competitive interactions of man and deer in prehistoric California. *Human Ecol.* 7(3):253-268, 1979.
2. Wilson, J. L., Dutt, J. S. and Gage, T. B. A family practice preceptorship: Effects on student career and practice choices. *Family Pract. Res. J.* 3(1):48-58, 1983.

3. Gage, T. B., Dyke, B., and Riviere, P. G. Estimating mortality from two censuses: An application to the Trio of Surinam. *Human Biol.* 56(3):489-502, 1984.
4. Gage, T. B., Williams, F. M., and Horton, J. B. Division synchrony and the dynamics of microbial populations: A size specific model. *Theoret. Population Biol.* 26(3):296-314, 1984.
5. Gage, T. B., Dyke, B., and Riviere, P. G. Estimating fertility and population dynamics from two censuses: An application to the Trio of Surinam. *Human Biol.* 56(4):691-701, 1984.
6. Gage, T. B. Demographic estimation from anthropological data: A review of the non-stable methods. *Current Anthropology*, 26:644-647, 1985.
7. Dyke, B., Gage, T. B., Mamelka, P. M., Goy, R. W., and Stone, W. H. A demographic analysis of the Wisconsin Regional Primate Center Rhesus Colony 1962-1982. *Am. J. Primatol.*, 10:257-269, 1986.
8. Dyke, B., Gage, T. B., and Mamelka, P. M. Genetic Effects of a maximal harvest schedule. *Zoo Biology*, 5:203-214, 1986.
9. Gage, T. B., Dyke, B., and MacCluer, J. W. Estimating mortality rates for small populations: A test of the non-stable two-census methods. *Population Studies*, 40:263-273, 1986.
10. Gage, T. B. and Dyke, B. Parameterizing abridged mortality tables: The Siler three-component hazard model. *Human Biology*, 58:275-291, 1986.
11. Dyke, B., Gage, T. B., Vandenberg, J. L., King, R. H., Mamelka, P. M., Cheng, M. and Goodwin, W. J. Decision making in genetic management of primate breeding colonies. *Genetica*, 73:137-144, 1987.
12. Gage, T. B. Mathematical hazard models of mortality : An alternative to model life tables. *American Journal of Physical Anthropology* , 76:429-441, 1988.
13. Gage, T. B. and Dyke, B. Model life tables for the larger Old World monkeys. *American Journal of Primatology*, 16:305-320,1988.
14. Gage, T. B. The Bio-mathematical approaches to the study of mortality. *Yearbook of Physical Anthropology*. Vol. 32:185-214, 1989.
15. Gage, T. B. Variation and classification of human age patterns of mortality: Analysis using competing hazards models. *Human Biology*, Vol. 62:589-618, 1990.
16. Jaquish, C. E., Gage, T. B. Tardif, S. Reproductive factors affecting survivorship in captive Callitrichidae. *The American Journal of Physical Anthropology*, Vol. 84:291-305, 1991.
17. Gage, T. B. Causes of death and the components of mortality: Testing the biological interpretations of a competing hazards model. *The American Journal of Human Biology*, Vol. 3:289-300, 1991.
18. Masters, A. V., Falk, D., and Gage, T. B. Effects of age and gender on the location and orientation of the foramen magnum in Rhesus Macaques (*Macaca mulatta*). *The American Journal of Physical Anthropology*, Vol. 86:75-80, 1991.
19. Gage, T. B. The decline in mortality in England and Wales, 1861 to 1964: An analysis using competing hazard models. *Population Studies*, 47:47-66 1993.
20. Gage, T. B., and Mode, C. Some laws of mortality: How well do they fit? *Human Biology*. 65:445-461, 1993.
21. Dyke, B., Gage, T. B., Ballou, J.D., Petto, A.J., Tardif, S.D, and Williams, L.J. Model life tables for the smaller New World monkeys. *American Journal of Primatology*. 29:269-285,1993.
22. Gage, T.B., and Dyke, B. Model life tables for the larger Old World monkeys: A revision. *American Journal of Primatology*. 29:287-290, 1993.
23. Gage, T. B., and O'Connor, K. Nutrition and variation in level and age pattern of mortality. *Human Biology*. 66(1)77-103, 1994. **(Winner of the1994 Lasker Award)**.
24. Gage, T. B. Population variation in cause of death: Level, gender and period effects. *Demography*, 31(2)271-296, 1994.
25. Dyke, B., Gage, T. B., Alford, P. L., Senson, B., Williams-Blangero, S. A model life table for captive Chimpanzees. *American Journal of Primatology*. 37:25-37, 1995.

26. Jaccard, J., Helbig, D., Gage, T.B., Gutman, M., Kritz-Silverstein, D. and Wan, C. Social and situational factors associated with contraceptive switching: Implications for practitioners. *Journal of Applied Social Psychology* 25:1765-1789, 1995.
27. Gage, T. B. and Zansky, S. M. Anthropometric measures of nutritional status and the level of mortality, *American Journal of Human Biology*, 7:679-691, 1995.
28. Falk, D, Gage, T.B., Dudek, B., and Olsen, T.R. Did more than one species of hominid coexist before 3.0 myr?: Evidence from blood and teeth. *Journal of Human Evolution*. 29:591-600, 1995.
29. Falk, D. Gage T.B. Flushing the radiator? A reply to Braga and Boesch. *Journal of Human Evolution*. 31:495-502, 1997.
30. Gage, T. B., and Therriault, G. Variability of birth weight distributions by sex and ethnicity: An analysis using mixture models. *Human Biology*. 70:517-534, 1998.
31. Falk, D., and Gage, T.B., Radiators are cool: A response to Braga and Boesch's published paper and reply. *Journal of Human Evolution*. 35:307-312. 1998.
32. Gage, T.B. The Comparative Demography of Primates: With Some Comments on the Evolution of Life Histories. *Annual Review of Anthropology*, 27:197-221. 1998.
33. Gage, T.B. Variability of gestational age distributions by sex and ethnicity: An analysis using mixture models. *American Journal of Human Biology* 12(2):181-191. 2000.
34. Choh, A.C. Gage, T.B. McGarvey, S.T. and Comuzzie, A.G. Genetic and environmental correlations between various anthropometric and blood pressure traits among adult Samoans. *American Journal of Physical Anthropology*. 115:304-311. 2001.
35. Gage, T.B. The age-specific fecundity of mammalian populations: A test of three mathematical models. *Zoo Biology*. 20:487-499. 2001.
36. Gage, T.B. Birthweight-specific infant and neonatal mortality: The influence of heterogeneity in the birth cohort. *Human Biology*. 74:165-184. 2002. **(Winner of the 2002 Lasker Award)**.
37. Gage, T. B. Modeling birthweight and gestational age distributions: Additive vs. multiplicative processes. *American Journal of Human Biology* 14:1-7. 2002.
38. Gage, T.B. The evolution of age and size at maturity. *Human Biology*. 75:521-537, 2003
39. Gage, T.B. Classification of births by birth weight and gestational age: An application of multivariate mixture models. *Annals of Human Biology* 30(5):589-604, 2003.
40. Eshed, V, Gopher, A. Gage, T.B. Hershkovitz, I. Has the transition to agriculture reshaped the demographic structure of prehistoric populations? *American Journal of Physical Anthropology*, 124:315-329, 2004.
41. Gage, T.B. M.J. Bauer, N. Heffner, and H. Stratton. The pediatric paradox: Heterogeneity in the birth cohort. *Human Biology*, 76(3):327-342, 2004.
42. Gage, T.B. Are modern environments really bad for us?: Revisiting the demographic and epidemiologic transitions. *Yearbook of Physical Anthropology* 48:96-117. 2005.
43. Fang, F., Stratton, H., Gage, T.B. Multiple mortality optima due to heterogeneity in the birth cohort: A continuous model of birth weight by gestational age specific infant mortality. *American Journal of Human Biology* 19(4):475-486. 2007.
44. Gage, T.B. Fang, F, Stratton H. Modeling the pediatric paradox: Birth weight by gestational age. *Biodemography and Social Biology*. 54(1):95-112. 2008.
45. Gage, T.B., Fang, F., O'Neill, E., Stratton, H., Maternal age and infant mortality: A test of the Wilcox-Russell hypothesis. *American Journal of Epidemiology*. 169(3):294-303. 2009.
46. Gage, T.B., Dewitte, S. What do we know about the agricultural demographic transition, *Current Anthropology* 50:649-655. 2009.
47. Gage, T.B., O'Connor, K. Nutrition and the variation in level and age patterns of mortality. *Human Biology* 81:551-574. This paper won the Gabriel W. Lasker Award in 1994, and was reprinted as a collection of Lasker winning papers.
48. Gage, T.B., O'Connor, K. Update to Nutrition and the variation in level and age patterns of mortality. *Human Biology* 81:575-578. 2009.

49. Gage, T.B. Birth-weight-specific infant and neonatal mortality: Effects of heterogeneity in the birth cohort. *Human Biology* 81:753-772. This paper won the Gabriel W. Lasker Award in 2002, and was reprinted as a collection of Lasker winning papers.
50. Gage, T.B. Update to Birth-weight-specific infant and neonatal mortality: Effects of heterogeneity in the birth cohort. *Human Biology* 81:773-776. 2009.
51. Gage, T.B., Fang, F., O'Neill, E., and DiRienzo, A. G. Racial disparities in infant mortality: What has birth weight got to do with it and how large is it? *BMC Pregnancy and Childbirth* <http://www.biomedcentral.com/1471-2393/10/86> 2010.
52. Bursuert, T.D. , White, D., Kiyamu, M., Tamvada, K. Gage, TB. Low ponderal index is associated with decreased muscle strength and fatigue resistance in college-aged women. *Early Human Development*. 87:663-669. 2011.
53. Brutsaert, T.D. , Tamvada, K.H., Kiyamu, M., White, D. , Gage, T.B. Response to an aerobic training intervention in young adults depends on ponderal index at birth. *Journal of Developmental origins of Health and Disease*. 3:424-432, 2012
54. Gage, T.B., Fang, F., O'Neill, E., and DiRienzo, A. G. Maternal education, birth weight, and infant mortality in the United States. *Demography* 50:615-635, 2013.
- 55 Redmond, J.G. Gage, T.B., Kiyamu, M, Brutsaert T. The effect of intra-uterine growth restriction on blood lipids and response to exercise training. *The American Journal of Human Biology*. Inpress.

Invited Publications (e.g. papers in edited volumes):

1. Gage, T. B. Environment and exploitation. In: *The Changing Samoans: Behavior and Health in Transition*. P. T. Baker, J. M. Hanna and T. S. Baker (eds.). Oxford University Press, pp. 19-38, 1986.
2. Greksa, L., Pelletier, D., and Gage, T. B. Work in contemporary and traditional Samoa. In: *The Changing Samoans: Behavior and Health in Transition*. P. T. Baker, J. M. Hanna and T. S. Baker (eds.). Oxford University Press, pp. 297-326, 1986.
3. Gage, T. B., McCullough, J. M., Weitz, C. A., Dutt, J. S. and Abelson, A. Demographic studies in human population biology. In: *Human Population Biology: A Transdisciplinary Science*. M. Little and J. Haas (eds.). Oxford University Press, pp. 45-68, 1989.
4. Thomas, R. B., Gage, T. B., and Little, M. A. Reflections on adaptive and ecological models. In: *Human Population Biology: A Transdisciplinary Science*. M. Little and J. Haas (eds.). Oxford University Press, pp.296-319, 1989.
5. Leslie, P., and Gage, T. B. Demography and human population biology: Problems and progress. In: *Human Population Biology: A Transdisciplinary Science*. M. Little and J. Haas (eds.). Oxford University Press, pp. 15-44, 1989.
6. Gage, T. B. Human variation in the age patterns of mortality. *AAGE Newsletter*, Vol 12(3):6-7, 1991.
7. Gage, T. B. A robust estimator of the intrinsic rate of increase and generation length. In, *Population Management for Survival and Recovery: Analytical Methods and Strategies in Small Population Conservation*. J Ball, M. Gilpin, and T.J. Foose (eds.), Columbia University Press, New York. pp. 9-24, 1995.
8. Taylor, B., Gage, T. B., Barlow, J., Mamelka, P. and Dyke, B. Mortality models for numerically small populations of mammals. In, *Population Management for Survival and Recovery: Analytical Methods and Strategies in Small Population Conservation*. J Ballou, M. Gilpin, and T.J. Foose (eds.), Columbia University Press, New York. pp. 44-56, 1995.
9. Pelletier, D.L and Gage, T.B. Recent trends in obesity and chronic disease in developing countries. Report commissioned by: The International Food Policy Research Institute for the 2020 Vision Initiative, 1995.

10. Gage, T. B. Demography. In: History of Physical Anthropology: An Encyclopedia. F. Spencer (ed.) Garland Press. pp. 325-330, 1997.
11. Gage, T. B. Demography. In Human Biology: An Evolutionary and Biocultural Approach. eds. (Stinson, S., Bogin, B. Huss-Ashmore, R. and O'Rourke, D.) , New York, John Wiley and Sons. pp 507-552, 2000.
12. Gage, T.B. Bauer, M.J., Fang, F. and Stratton, H. Mixed logistic regressions with covariate density defined components: Applications to birth outcomes. CSDA Working Paper Series. Working Paper #2004-1.
13. Frimpong EY., Gage, TB., Stratton H. Identifiability of bivariate mixtures: An Application to infant mortality models. In the *Joint Statistical Meetings Proceedings, Statistics in Epidemiology, Alexandria, VA: American Statistical Association.* 585-592. 2008.
14. Gage, T.B. Demographic estimation: Indirect techniques for anthropological populations, In A Companion to Biological Anthropology, ed. (Larsen, C.) Wiley-Blackwell Publishing. pp. 179-193, 2010.
- 15 Gage, T.B. and Fang, F. Biodemography, In Demography, ed. (Liang, Z.) Beijing China: People's University of China Press. (in Chinese) pp. 502-540, 2012.
16. Gage, T. B., Dewitte, S., and Wood J. W. Demography Part 1: Mortality and Migration. In Human Biology: An Evolutionary and Biocultural Approach second edition. eds. (Stinson, S., Bogin, B. and O'Rourke, D.) , New York, John Wiley and Sons. pp. 695-756 2012.
17. Gage, T.B. The current state of knowledge on the Industrial Epidemiological Transition: Where do we go from here. In, Modern Environments and Human Health: Revisiting the Second Epidemilogic Transition. ed. (Zuckerman, M.) New York. Wiley-Blackwell in press.

Manuscripts in Preparation:

Brutsaert, T.D. Kiyamu, M., Hamm, K. White DD. Stratton, H., Gage T.B. Low ponderal index is associated with decreased muscle strength and fatigue resistance in college-age women. Pediatrics.

Gage, T.B., Fang, F., O'Neill, E.. and DiRienzo, A. G . A latent variable analysis of birth weight and childhood obesity.

Symposia:

Chair, Contributed Papers: Demography, Annual Meeting of the American Association of Physical Anthropologists, New York City, 1987.

Organizer and Chair, Anthropological and Historical Demography, Annual Meeting of the Northeast Anthropological Association, Albany, 1988

Chair, Contributed Papers: Demography and Epidemiology, Annual Meeting of the American Association of Physical Anthropologists, Kansas City, 1988.

Chair, Anthropology and Epidemiology, (Organizers: Swedlund, A.C. and Weiss, K. M.) 12th Meeting of the International Congress of Anthropological and Ethnological Sciences, Zagreb, 1988.

Chair, 'Human Population Biology 2' Annual meetings of the American Association of Physical Anthropologists', Miami. 1990.

Chair, ' Selected Posters on Nutrition and Health. 92nd. Annual meetings of the American Association of Anthropologists, Washington DC. 1993.

Chair, 'Anthropology and Medicine, Part 1. The 14th International Congress of Anthropological and Ethnological Sciences, Williamsburg 1998.

- Chair, 'Anthropology and Medicine, Part 2. The 14th International Congress of Anthropological and Ethnological Sciences, Williamsburg 1998.
- Chair, 'Anthropological Genetics' New Trends in Biological Anthropology for the 21<sup>st</sup> Century. Meeting held at the University of Binghamton, SUNY, Binghamton, March 27-28. 1999.
- Organizer and Chair, Perspectives on the Genetics of Aging. Annual meetings of the American Association of Anthropological Genetics, and the American Association of Physical Anthropologists. San Antonio, April, 2000.
- Organizer and Chair. Biological Anthropology at the Beginning of the 21<sup>st</sup> Century: The Second Occasional Meeting of New York State Biological Anthropologists. University at Albany, November 8-9, 2002.
- Chair, Human Biology I, Contributed Papers, Annual Meeting of the American Association of Physical Anthropologists, Milwaukee 2005.
- Chair Intergenerational Determinants of Health. Annual Meeting of the Population Association of America. New York, March 30, 2007.
- Chair Methodological Issues in Health and Mortality Longitudinal Studies. Annual Meeting of the Population Association of America. Washington DC. April 1, 2010.
- Chair Long-Term Impact of Famines and Environmental Shocks. Annual Meetings of the Population Association of America, New Orleans, April 11, 2013.

### Book Reviews:

- Recent Trends in Mortality Analysis. K. G. Manton and E. Stallard. *AJPA*, 71:388-389, 1986
- Height, Health and History Nutritional Status in the United Kingdom, 1750-1980. R. Floud, K. Wachter and A. Gregory. *Contemporary Sociology*, 21(1):66-67, 1992.
- The Evolution of Life Histories. S.C. Stearns. *American Journal of Physical Anthropology*, 97(2):202-203, 1995.
- The Analysis of Longitudinal Data. P. K. Dingle, L. Y. Liang and S. L. Zeger. *Journal of Biosocial Science* 30: 282-283, 1997.
- Biodemography in Anthropological Studies. eds. G. Biondi and C. G. N. Mascie-Taylor. *American Journal of Human Biology*, 11:413-414. 1999.
- Longevity: The Biology and Demography of Life Span. J.R. Cary. *American Journal of Human Biology*, 16:714-716, 2004

### Computer Programs:

- Gage, T. B., Mamelka, P., and Dyke, B. HarvCalc Copyright Southwest Foundation for Biomedical Research, 1986.
- Mamelka, P, Gage, T., and Dyke, B. LifeTabl Copyright Southwest Foundation for Biomedical Research, 1987.
- Gage, T. B., Mamelka, P., and Dyke, B. Fertcalc Copyright Southwest Foundation for Biomedical Research, 1990.
- Gage, T. B., Mamelka, P., and Dyke, B. Mantel Copyright Southwest Foundation for Biomedical Research, 1990.
- Mamelka, P., Gage, T. B. and Dyke, B. Fitter Copyright Southwest Foundation for Biomedical Research, 1993.

### Papers and Abstracts Presented at National and International Meetings:

- 1979 The effect of out-migration on the genetic structure of American Samoa. Annual Meeting of the American Association of Physical Anthropologists, San Francisco. Abstract published in 50(3):440.
- 1980 Optimal diet choice in Samoa. Annual Meeting of the American Association of Physical Anthropologists, Niagara Falls. Abstract published in *AJPA* 52(2):229.
- 1981 Energy limitation in an obese population. Annual Meeting of the American Association of Physical Anthropologists, Detroit. Abstract published in *AJPA* 54(2):222.
- 1982 Energy flow and adaptation: The division of labor. Annual Meeting of the American Association of Physical Anthropologists, Eugene. Abstract published in *AJPA* 57(2):190.
- 1983 Estimating mortality rates for small populations: An application. Annual Meeting of the American Association of Physical Anthropologists, Indianapolis. Abstract published in *AJPA* 60(2):194,
- 1983 Estimating mortality rates for small populations: An application of a pair of two-census methods. Annual Meeting of the Population Association of America, Pittsburgh. Abstract published in *Population Index* 49(3):428.
- 1984 Estimating the completeness of vital registration in small populations: St. Barthelemy. Annual Meeting of the American Association of Physical Anthropologists, Philadelphia. Abstract published in *AJPA* 63(2):159.
- 1985 Parameterizing abridged mortality tables: the Siler three-component hazard model. Annual Meeting of the Population Association of America, Boston. Abstract published in *Population Index*, 51:440

- 1985 The biological structure of mortality in the Caribbean. Annual Meeting of the American Association of Physical Anthropologists, Knoxville. Abstract published in AJPA 66(2):171.
- 1986 A method of improving demographic estimation from anthropological data. Annual Meeting of the American Association of Physical Anthropologists, Albuquerque. Abstract published in AJPA 69:201.
- 1986 Mathematical models of mortality: A substitute for model life tables. Annual Meeting of the American Anthropological Association, Philadelphia.
- 1987 The decline of mortality in England and Wales: An analysis using competing hazards models. Annual Meeting of the American Association of Physical Anthropologists, New York. Abstract published in AJPA 72:199-200.
1987. The decline of mortality in England and Wales: An analysis using competing hazards models. Annual Meeting of the Population Association of America, Chicago. Abstract published in Population Index, 53:421.
1988. The structure of variation in human age patterns of mortality. Annual Meeting of the American Association of Physical Anthropologists, Kansas City. Abstract published in AJPA 75:210-211.
1988. Mathematical models of mortality as model life tables. Annual Meeting of the Population Association of America, New Orleans. Abstract published in Population Index, 54:447.
1988. Classifying the variation in human age patterns of mortality: A method using competing hazard models. Annual Meeting of the Population Association of America, New Orleans. Abstract published in Population Index, 54:492.
1988. The structure and variation in human age patterns of mortality. 12th International Congress of Anthropological and Ethnological Sciences, Zagreb.
1989. Cause of death and the components of the Siler mortality model. The Annual Meetings of the American Association of Physical Anthropologists, San Diego. Abstract published in AJPA. 78:224.
1989. Population variation in cause of death: An analysis using competing hazard models. Annual Meeting of the Population Association of America, Baltimore. Abstract published in Population Index, 55:403.
1989. Nutrition and age patterns of mortality. Meetings of the American Association of Physical Anthropologists, San Diego. Abstract published in AJPA. 78:280-281.
1990. The influence of social conditions on variation in age patterns of mortality. Annual meeting of the American Association of Physical Anthropologists, Miami. Abstract published in AJPA. 81:275.
1991. Some laws of mortality: How well do they fit? The American Journal of Physical Anthropology. The Annual Meetings of the American Association of Physical Anthropologists, Milwaukee. Abstract published in AJPA Supplement 12:74-75.
- 1991 A model life table for captive chimpanzees. The Annual Meetings of the American Society of Primatologists and Asociacion Mexicana de Primatologia. Veracruz, Mexico, June 24-28.
1992. Nutrition and the variation in level and age pattern of mortality. The Annual Meetings of the Population Association of America, Denver.
1992. The relationship of nutrition and mortality: A structural equation model analysis. The Annual Meetings of the American Association of Anthropologists, San Francisco.
1993. Anthropometric measures of nutritional status and the level of mortality. The Annual Meetings of the American Association of Physical Anthropologists, Toronto. Abstract published in AJPA, Supplement 16:89-90.
- 1993 Gage, T. B., Blangero, J., Mitchell, B. D., Stern, M. P., and MacCluer, J. W. Segregation analysis of body mass index incorporating nutritional covariates and genotype by sex interactions. American Journal of Human Genetics, Vol. 53(3), abstract #1649.

1994. Sex differences in mortality across the life span: The epidemiological transition. The Annual Meetings of the American Association of Physical Anthropologists, Denver. Abstract published in AJPA, Supplement 18:90-91.
1994. Recent trends in anthropological demography. Invited plenary paper presented at the III Congresso Latino American de Antropologia Biologica, November, 21-24 1994, Rio de Janeiro.
1995. Understanding Fertility in Rural Costa Rica. Paper presented at the Northeastern Anthropological Association Meetings April 2-5, Lake Placid, NY. (N. Froese and T. B. Gage).
1995. Exploring the Relationship Between Land Tenure and Fertility Behavior in Buenos Aries Costa Rica. Paper presented at the Northeastern Anthropological Association Meetings April 2-5, Lake Placid, NY. (J. Sanjak and T. B. Gage).
1996. Variability of birth weight distributions by sex and ethnicity and its impact on infant mortality. Paper read at the 1996 meetings of Population Association of America, New Orleans.
1996. Demography and Human Diversity. Paper read at the Plenary Session of the 1996 meetings of the Human Biology Association, Durham, NC (invited).
1997. Competing and mixed hazards models of mortality for paleodemographic analysis. The Annual Meetings of the American Association of Physical Anthropologists, St. Louis. Abstract published in AJPA: Supplement 24. pp. 180, (K. A. O'Connor, D. J. Holman, J. W. Wood, J. L. Boldsen, and T. B. Gage).
1998. Birth weight and gestational age: Analysis using mixture models. Paper read at The Annual Meetings of the American Association of Physical Anthropologists, Salt Lake City. Abstract published in AJPA: Supplement 26. pp. 85.
1998. Parental participation in children's health improvement. Paper read at The 14th International Congress of Anthropological and Ethnological Sciences. Williamsburg.
1999. Modeling the reproductive life history characteristics of primates. Paper read at the 1999 Goettinger Freilandtage meetings, Dec. 14-17<sup>th</sup>. Max Planck German Primate Center, Gottingen. Germany.
2000. Perspectives on the Genetics of Aging: An Introduction. Paper read at The Annual Meetings of the American Association of Physical Anthropologists, San Antonio. Abstract published in AJPA: Supplement 30: 154.
2000. Alternative theories of population dynamics: An example using birth intervals and parity progression. Paper read at the Annual Meetings of the Human Biology Council, San Antonio, Abstract published in the American Journal of Human Biology, 12:274.
1999. Genetic and environmental correlations between blood pressure and anthropometric measurements among juvenile Samoans. . Paper read at the Annual Meetings of the Human Biology Council, San Antonio, Abstract published in the American Journal of Human Biology, 12:264. (Choh, A. C., Gage, T. B., McGarvey, S. T.)
2000. Birthweight-specific infant and neonatal mortality: Effects of heterogeneity in the birth cohort. Paper presented at the Annual Meetings of the Population Association of American, Washington, March 30.
- 2001 Alternative theories of population dynamics: Linking human population dynamics and household composition to changing landscapes. Paper presented at the Biocomplexity Incubation Activity Workshop at the The Anthropological Center for Training and Research on Global Environmental Change. Indiana University. September 28
- 2001 The comparative demography of primates. Paper read at the Annual Meetings of the Genontological Society of America, Chicago, Presidential Symposium (Women's Reproductive Aging: Biology and Ideology). November 16.

- 2002 The evolution of human plasticity: Age and size at Maturity. Paper read at the Annual Meetings of American Association of Physical Anthropologists, Buffalo, April 12. Abstract published in AJPA Supplement 34:73.
2002. The pediatric paradox: Heterogeneity in the birth cohort. Paper read at the Annual Meetings of the Population Association of America. Atlanta. May 10.
2005. A birth weight by gestational age view of the pediatric paradox. Paper read at the Annual Meetings of the Population Association of America. Philadelphia, April 1.
2005. Modeling the birth weight by gestational age distribution. Paper read at the Annual Meetings of the Human Biology Association. Milwaukee, April 7, Abstract published in AJHB 17:240-241
2005. Are modern environments really bad for us: Revisiting the epidemiological transition. Paper read at the Annual Meetings of the American Association of Physical Anthropology. Milwaukee, April 8. Abstract published in AJPA Supplement 40:91.
2006. Evidence that birth weight is on the causal pathway to infant mortality. Paper read at the Annual Meetings of the American Association of Physical Anthropology. Anchorage, March 10. Abstract published in AJPA Supplement 42:104-105
2007. Is birth weight on the causal pathway to infant mortality: Maternal age? Paper read at the Annual Meetings of the Population Association of America. New York. April 30.
2008. Education, birth weight, and infant mortality. Paper read at the Annual Meetings of the Human Biology Association, abstract published in American Journal of Human Biology 20: (2) 229, April 10.
2008. Smoking, birth weight and infant mortality. Paper read at the Annual Meetings of the American Association of Physical Anthropologists, abstract published in American Journal of Physical Anthropology 135: (S46) 100. Columbus, Ohio April 12.
2008. Education Birth Weight and Infant Mortality. Paper read at the 2008 Annual Meetings of the Population Association of America, 4/19/2008. New Orleans.
2008. Identifiability of bivariate mixtures: An Application to infant mortality models. Paper presented at the Joint Statistical Meetings, Denver, Colorado, August 2-7.
2011. Demographic analysis of Puntarenas, Costa Rica. Paper read at the 2011 Annual meetings of the Human Biology Association, Minneapolis, MN. April 14<sup>th</sup> Abstract published in American Journal of Human Biology 23:259-260.
2011. The effect of birth weight on childhood body mass index in the 1958 British birth cohort. Paper read at the 2011 Annual meetings of the Human Biology Association, Minneapolis, MN. April 14<sup>th</sup> Abstract published in American Journal of Human Biology 23:270-272.
2011. Effect of birth weight on childhood obesity. Paper read at the Annual Meetings of the Population Association of America. Washington DC, April 1.
2011. Ponderal index is negatively associated with the proportion of time spent in sedentary activity among rural Costa Rican 6-12 year olds. Paper read at the 7<sup>th</sup> World Congress on Developmental Origins of Health and Disease. Portland September. 18-21. Abstract published in Journal of Developmental Origins of Health and Disease. 2:S57-S58
2011. A latent variable analysis of birth weight and childhood obesity. Paper read at the 7<sup>th</sup> World Congress on Developmental Origins of Health and Disease. Portland September. 18-21. Abstract published in Journal of Developmental Origins of Health and Disease. 2:S33-S34

Posters and Abstracts Presented at National and International Meetings:

1990. Cause of death and model life tables. Annual meetings of the American Association of Physical Anthropologists, Miami. Abstract published in AJPA. 81:224.
1992. The impact of dietary composition on national mortality patterns. Annual meetings of the American Association of Physical Anthropologists, Las Vegas. Abstract published in AJPA, Supplement 14:78.
1993. The association of nutritional and social indicators with the variation in the level and age pattern of mortality. The Annual Meetings of the American Association of Physical Anthropologists, Toronto. Abstract published in AJPA, Supplement 16:152
1993. Modeling ethnic differences in birthweight distribution. 92nd. Annual meeting of the American Association of Anthropologists, Washington D.C.
1994. The age pattern of mortality in paleodemographic samples. Annual meeting of the American Association of Physical Anthropologist, Denver. Abstract published in AJPA, Supplement 18:155.
1995. Current trends in the fertility of a rural Costa Rican population. The Annual Meetings of the American Association of Physical Anthropologists, Oakland. Abstract published in AJPA: Supplement 20. pp. 94-94, 1995.
1996. Variability of gestational age distributions by sex and ethnicity: An analysis using mixture models. Poster presented at the 1996 Annual Meetings of the American Association of Physical Anthropologists, Durham NC. Abstract published in AJPA: Supplement 22. pp. 108, 1996.
1996. Trends in Body Mass Index among adults in developing countries. Poster presented at the 1996 Annual Meetings of the American Association of Physical Anthropologists, Durham NC. Abstract published in AJPA: Supplement 22. pp. 183-184, 1996 (D.L. Pelletier and T.B. Gage).
1996. The level and age pattern of mortality in paleodemographic samples. Poster presented at the 1996 Annual Meetings of the Population Association of America, New Orleans. (K. O'Connor and T.B. Gage).
1997. The devious dynamics of birth weight-specific infant and neonatal mortality. Poster presented at the Annual Meetings of the Human Biology Association, St. Louis. Abstract published in AJHB: Volume 9 No. 1 pp129.
1997. Heritabilities of various obesity-related factors in Samoans. Poster presented at the Annual Meetings of the Human Biology Association, St. Louis. Abstract published in AJHB: Volume 9 No. 1 pp 125, (A. C. Choh, T. B. Gage, and S. T. McGarvey ).
1997. Climatic fluctuations and variation in body composition in nomadic Turkana pastoralists. Poster presented at the Annual Meetings of the Human Biology Association, St. Louis. Abstract published in AJHB: Volume 9 No. 1 pp 148-149 (N. L. Winterbauer, M. A. Little, and T. B. Gage).
1998. Growth velocity variation and disease observed in rural Costa Rican children. Poster presented at The Annual Meetings of the American Association of Physical Anthropologists, Salt Lake City. Abstract published in AJPA: Supplement 26. pp. 223-224 (Van Wagenen, K. M. and Gage T. B.).
1998. Childhood disease and disorders in rural Costa Rica. Poster presented at The Annual Meetings of the Human Biology Association, Salt Lake City. Abstract published in AJHB, 10(1):138, (Van Wagenen, K. M. and Gage, T. B. ).
1998. Potential pesticide use and exposure among family farmers in Costa Rica. Poster presented at the 10<sup>th</sup> conference of the International Society for Environmental Epidemiology and the 8<sup>th</sup> conference of the International Society of Exposure Analysis. Boston. (Marshall, E. and Gage, T.B.). Abstract published in Epidemiology, July 1998.

- 1999 Modeling gestational age-specific infant and neonatal mortality. Poster presented at The Annual Meetings of the American Association of Physical Anthropologists, Columbus. Abstract published in AJPA: Supplement 28. pp. 131.
2001. Modeling the joint birth weight gestational age distribution. Poster presented at The Annual Meetings of the Human Biology Association, Kansas City. Abstract published in AJHB: 13(1):121.
2001. Modeling the birth weight distribution: Additive versus multiplicative processes. Poster presented at the Annual Meetings of the American Association of Physical Anthropologists, Kansas City. March 28-31, Abstract published in AJPA: Supplement 32: 67.
- 2002 American Samoan obesity patterns. Poster presented at the Annual Meetings of the Human Biology Association, Buffalo, April 13. Abstract published in AJHB 14:106.
- 2003 Population based multivariate mixtures of logistic regressions: Infant mortality. Poster presented at the Annual Meetings of the Human Biology Association, Tempe, April 27. Abstract published in AJHB 14:206
- 2004 Covariate density defined (CDD) mixtures of logistic regressions: Maternal age.. Poster presented at the Annual Meetings of the Human Biology Association, Tampa, April 14-15. Abstract published in AJHB 16:204
- 2004 Mixed logistic regressions with covariate density defined components: Applications to birth outcomes. Poster presented at the Annual Meetings of the Population Association of American, Boston, April 1-3. **(Winner of the 2004 Population Association Poster Prize).**
- 2007 Asian American birth outcomes by parametric mixtures of logistic regressions. Poster presented at the Annual Meetings of the Human Biology Association, Philadelphia April 28. Abstract published in AJHB 19:254-255
- 2007 When is birthweight on the causal pathway to infant mortality? Smoking. Poster presented at the Annual Meetings of the Human Biology Association, Philadelphia, April 28. Abstract published in AJHB 19:271
2008. When is gestational age not useful in the analysis of birth outcomes. Poster presented at the Annual Meetings of the Human Biology Association Columbus, Ohio April 9. Abstract published in the American Journal of Human Biology 20; (2) 220.
2009. Prenatal care, birth weight and infant mortality. Poster presented at the Annual Meetings of the Human Biology Association, Chicago, Illinois, April 1. Abstract published in the American Journal of Human Biology 21(2):263-264. **(Winner of the Edward E. Hunt student paper prize (Erin O'Neill, first author)).**
- 2009 Identifiability of Bivariate Mixtures: An Application to Infant Mortality Models. Poster presented at the Annual Meetings of the Population Association of American, Detroit, April 29-May 1.
2009. Who and how does prenatal care help: “normal” or “compromised” births Poster presented at the Annual Meetings of the Population Association of American, Detroit, April 29-May 1. **(Winner of the 2009 Population Association Poster Prize.**
2010. Altitude, birth weight, and infant mortality. Poster presented at the annual meetings of the Human Biology Association, Albuquerque, NM, April, 14. Abstract published in Am. J. Hum Biol 22:265-266.
2010. Altitude, birth weight, and infant mortality. Poster presented at the annual meetings of the Population Association of America. Dallas TX. April 17.
2011. The effect of birthweight on childhood BMI in the 1958 British birth cohort. Poster presented at the 3<sup>rd</sup> North American Congress of Epidemiology. Montreal, Quebec, Canada. June 21-24.
2012. Historical trends in birth weight and mortality. Poster presented at the annual meetings of the Human Biology Association, Portland OR, April, 11. Abstract published in Am. J. Hum Biol 24:238.
2012. Exploring US birth outcomes among Mexican women by maternal nativity with CDDmlr. Poster presented at the annual meetings of the Population Association of America. San

- Francisco CA . May 4th.
2013. Heterogeneity identified at birth and cardiovascular risk at age 46. Poster presented at the annual meetings of the Human Biology Association, Knoxville TN, April, 11. Abstract published in *Am. J. Hum Biol* 25:269-270.
- 2013 Heterogeneity identified at birth and hypertension risk at adulthood. Poster presented at the annual meetings of the Population Association of America. New Orleans . April 11.

### Invited Colloquia:

- 1984 Samoan Studies Synthesis Conference, The Pennsylvania State University, University Park, PA. April 7-10.
- 1984 Mortality patterns in human populations. Southwest Foundation for Biomedical Research Seminar, San Antonio. December 19.
- 1985 Mortality in England and Wales, 1861 to 1964: An analysis using competing hazard models. Population Research Center, University of Texas, Austin. May 3.
- 1985 Parameterizing mortality patterns: Mortality in England and Wales 1861 to 1964. Center for Demographic and Population Genetics, University of Texas Graduate School of Biomedical Sciences, Houston. June 9.
1986. Colonysim: Demographic Model of a Captive Animal Colony. Genetic Research with Nonhuman Primates: Serving the Needs of Mankind. The Southwest Foundation Forum Symposium, San Antonio, March 2-5.
1987. Issues in anthropological demography: Examples from mortality, fertility and population dynamics. Anthropology Department, University of Massachusetts at Amherst, Amherst. November 2.
1989. Characterizing mortality and fertility: Examples from Old World primates and elephants. Workshop on Analytical Methods for Population Viability Analysis and Management, Front Royal, Virginia. Sponsored by: National Zoological Park, American Association of Zoological Parks and Aquariums, University of California, San Diego, Institute for Museum Services and Chicago Zoological Society. October 23-26.
1990. Human Variation in Age Patterns of Mortality, Center for Social and Demographic Analysis, College of Social and Behavioral Sciences, State University of New York at Albany, December 5.
1991. Invited colloquium: Mortality Patterns of Prehistoric Southwestern Populations, Anthropology Department, State University of New York at Binghamton. May 2.
1992. Nutrition and the variation in level and age pattern of mortality, Cornell Food and Nutrition Policy Program, Cornell University, Ithaca. September 27.
1995. Modeling the variation in birth weight distributions. Invited lecture presented at the Brown University Population Center, Providence, April 20.
1995. Ethnicity and the variation in birth weight, gestational age and infant mortality: A modeling approach. Invited lecture presented at the University of Albany, Center for Social and Demographic Analysis, Albany, Dec. 6.
1996. Ethnicity and the variation in birth weight, gestational age and infant mortality: A modeling approach. Invited lecture presented at the Pennsylvania State University Population Center, State College, Feb. 13.
- 1996 Ethnicity, Birth Weight and Infant Mortality. Invited lecture presented at the University at Albany, Anthropology Department Colloquium Series, Albany, Oct. 4.
- 1996 Ethnicity, Birth Weight and Infant Mortality. Invited lecture presented at the University of North Carolina Population Center, Chapel Hill, Oct. 11.
- 1998 Comparative Analysis of Primate Demography. Invited lecture presented at the workshop for, Demographic Analysis Techniques for Population Management, sponsored by the National Zoological Park, at the Fort Worth Zoo, Fort Worth. Aug. 14,
- 1998 Demographic Software for Medical Research Colonies. Invited lecture presented at the workshop for, Demographic Analysis Techniques for Population Management, sponsored by the National Zoological Park, at the Fort Worth Zoo, Fort Worth. Aug. 14,
1999. Anthropological Genetics (Panelist) New Trends in Biological Anthropology for the 21<sup>st</sup> Century. Meeting held at the University of Binghamton, SUNY, Binghamton, March 27-28.

1999. Evolution of Recent Human Populations Genetics (Panelist) New Trends in Biological Anthropology for the 21<sup>st</sup> Century. Meeting held at the University of Binghamton, SUNY, Binghamton, March 27-28.
- 2000 Racial and Ethnic Variation in Birthweight, Gestational Age, and Infant Mortality. Invited lecture presented at Harvard University, Peabody Museum, Cambridge, Oct. 20.
- 2001 Racial and Ethnic Variation in Birthweight, Gestational Age, and Infant Mortality. Invited lecture presented at Cornell University, International Nutrition Program, and February 8.
- 2003 Birthweight, Gestational Age and Infant mortality: Population based parametric mixtures of logistic regressions. Center for Social and Demographic Analysis, University at Albany. February 7<sup>th</sup>.
- 2003 Population based parametric mixtures of logistic regressions: Applications to Birth Outcomes. Invited lecture presented to Albany Chapter of the American Statistical Association, April 30<sup>th</sup>.
- 2004 Birth Weight, Gestational Age, and Infant Mortality: Covariate Density Defined Mixtures of Logistic Regressions. Invited lecture presented to the University of North Carolina Population Center, November 19<sup>th</sup>.
- 2005 Modeling the pediatric paradox: Racial differences in infant mortality. Invited lecture presented at the University of Tennessee. November 9<sup>th</sup>.
- 2005 Is modernization really bad for health?. Invited lecture presented at the University of Tennessee. November 10<sup>th</sup>.
- 2006 Modeling the pediatric paradox: Racial differences in infant mortality covariate density defined mixtures of logistic regressions. Invited lecture presented at the Johns Hopkins Bloomberg School of Public Health. March 27.
2007. Paleodemography, Invited lecture at the Origins of Agricultural Conference, State University of New York at Plattsburg, October 5.
2008. Race/Ethnicity, Birth Weight, and Infant Mortality: Is Birth Weight Important. Invited lecture presented at the University of Albany, September 19.
- 2011 Plenary Address. 2011 Postdoctoral Fellows Conference: "Moving the Middle to the Foreground: Re-Visiting the Second Epidemiological Transition." South Carolina Institute of Archaeology and Anthropology, University of South Carolina. April 18-19.
- 2012 Heterogeneity identified at birth, and cardiovascular risk at 45. Workshop on Evolutionary Demography Max Planck Institute for Demographic Research, Rostock Germany, June 8.
- 2013 Fetal Programming, and cardiovascular risks at 45. Paper to be presented at the School of Public Health, Harvard University. December 5<sup>th</sup>.
- 2014 Fetal Programming, and cardiovascular risks at 45. Paper to be presented at CSDE, University of Washington Seattle, May 16<sup>th</sup>.