

*Curriculum Vitae*

**CHRISTOPHER W. KUZAWA**

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**Areas of Specialization and Current Research Activities**

*Interests:* Evolutionary medicine, developmental plasticity, the evolution of human life history, human growth and development, developmental and intergenerational influences on biology and health, epidemiology and statistical methods, cardiovascular disease in developing nations.

**Academic Appointments**

- Sept, 2008- Associate Professor, Department of Anthropology, Northwestern University
- Jan, 2007- Senior Research Fellow, Liggins Institute, Faculty of Medical and Health Sciences, University of Auckland, New Zealand
- Sept, 2005- Faculty Fellow, Institute for Policy Research, Northwestern. Founding member and member of Executive Committee: *Cells 2 Society, the Center on Social Disparities and Health.*
- Sept, 2004- Member, Center for Reproductive Science, Northwestern.
- Nov, 2003- Adjunct Curator in Anthropology, The Field Museum, Chicago
- Sept, 2002-2008 Assistant Professor, Department of Anthropology, Northwestern University

**Education**

- 2002 NIH National Research Service Award. Postdoctoral Fellowship in cardiovascular epidemiology. Division of Epidemiology, University of Minnesota (Minneapolis).
- 2001 Ph.D., Department of Anthropology  
Emory University (Atlanta, GA)
- 2001 M.S.PH., Department of Epidemiology  
Rollins School of Public Health  
Emory University (Atlanta, GA)
- 1993 B.A., Department of Anthropology (*summa cum laude*)  
University of Colorado (Boulder)

### **Academic Honors and Awards**

- 2006-2007 Elected by students to Faculty Honor Roll for teaching.
- 2003-2004 Elected by students to Faculty Honor Roll for teaching.
- 2002 Winner, Society for International Nutrition Research Graduate Student Competition at Experimental Biology 2002: “A supply-demand model of prenatal cholesterol programming: assessing the importance of fetal growth potential.”
- 2000 Edward E. Hunt prize for paper presented at the 25<sup>th</sup> Annual Meeting of the Human Biology Association: “Fat baby, healthy adolescent? Testing the blood pressure programming hypothesis among Filipino adolescents.”
- 1997 Ales Hrdlicka prize for paper presented at the 66<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists: “Body fat as system: an evolutionary and developmental consideration of the growth and function of body fat.”
- 1997 Fellowship, Center for the Study of Culture, Health, and Society; Rollins School of Public Health, Emory University
- 1994 Doctoral Fellowship, Department of Anthropology, Emory University
- 1993 Honors for bachelor’s thesis (*summa cum laude*): “Lifelong cortical bone growth and loss among the Classic period Hohokam of Pueblo Grande.”

### **Editorial Boards**

- 2008- *Annals of Human Biology*

### **Elected Offices**

- 2006-present Human Biology Association (Chair, Elections and Nominations Committee)
- 2005-2008 Executive Committee (Member-at-Large), American Anthropological Association, Biological Anthropology Section.
- 2005-2008 Executive Council of the International Society for Developmental Origins of Health and Disease (specialty representative: evolutionary developmental bio).
- 2002-2004 Executive Committee, Student Member, Society for International Nutrition Research (FASEB/Experimental Biology).

### **Active funding**

- 6/15/08-6/14/10 **National Science Foundation**, “Fetal Growth as a Cue of Matrilineal Nutritional History in the Philippines.”

Role: PI, \$245,409 over 3 years.

Objective: Use 26 years of longitudinal data and new data collection to investigate the potential role of fetal nutrition as an intergenerational cue of local nutritional ecology.

- 9/01/08-08/30/13 **National Science Foundation**, “Collaborative Research: Evolutionary origins of the brain energetics and adaptive plasticity of humans”  
Role: Co-PI (Goodman, PI), \$1.8 million over 5 years  
Objective: use PET imaging and genetic and epigenetic sequencing to establish energetic costs of brain and molecular basis of the evolution of encephalization.
- 09/1/08-03/31/12 **NIH R01** “Modeling the Developmental Origins of Adult Disease Risk Factors.”  
Role: PI of NU subcontract \$897,888 sub, 5 years (Adair PI, UNC)  
Objective: Develop structural equation models linking early life and developmental predictors of adult cardiovascular disease outcomes, with a specific focus on inflammatory pathways.
- 7/01/06-6/30/10 **NIH (NHLBI)**, 1 R01 HL085144  
Title: “Obesity Development and CVD Risk Factor Clustering in Filipino Women and Offspring”  
Role: PI of \$1,001,121 Northwestern subcontract, 4 years (Adair PI, UNC).  
Objective: Use longitudinal data collected among 3000+ mother/offspring pairs to model the factors influencing weight gain and the development of the metabolic syndrome in a Philippine population.
- 8/01/07-2/28/09 **National Science Foundation**, “Doctoral Dissertation Improvement: Early life growth and nutrition and milk composition in adulthood.”  
Role: Co-PI, \$14,996  
Objective: Support graduate student research in the Philippines investigating intergenerational influences of nutrition on lactation and breast milk composition.
- 1/01/06-12/31/08 **National Science Foundation**, “Early Life Nutrition, Developmental Plasticity, and Reproductive Ecology in Filipino Males.”  
Role: PI, \$157,183.65 over 3 years.  
Objective: Use 22 years of longitudinal data, with saliva and plasma samples, to investigate the early life influences on adult reproductive function and sexually-dimorphic somatic traits in Filipino males.
- 7/01/06-6/30/11 **NIH (NICHD)**, R21 HD053946-01

Title: “Cells to Society: The Center on Social Disparities and Health”

Role: Co-PI (Chase-Landsdale PI), \$1,117,500 over 5 years.

Objective: Infrastructural support grant to help establish a new center for multi-disciplinary research on health disparities.

**Completed funding**

1/01/06-11/31/07 **Wenner-Gren Foundation**, “Developmental plasticity of male reproductive ecology and life history”

Role: PI, \$25,000

Objective: Use 22 years of longitudinal data, with saliva and plasma samples, to investigate the early life influences on adult reproductive function in the Filipino males.

01/01/07 **National Science Foundation**, “Symposium Proposal: The Adaptable Phenotype.”

Role: PI, \$13,429

Objective: Inter-disciplinary symposium on the convergence of evolutionary biology, genetics, developmental biology and life history theory.

4/01/05-3/31/06 **NIH (NIA)**, Funded by Center Grant 5-K07-AG001015

Title: “Developmental Determinants of Young Adult Risk Factors for Aging-related Chronic Diseases”, (PI LS Adair, UNC).

Role: PI of \$36,000 Northwestern subcontract

Objective: Allowed collection of biological specimens (saliva, fasting plasma, DNA) in entire Cebu cohort of mothers.

7/1/05-12/31/05 **NIH (NICHD)** U01 HD044226-01

Title: “Community Action for Child Health Equity”

Role: Co-Investigator

Objective: Helped plan a five-city study of the effects of social environments on birth outcome and early childhood stress hormone physiology, with the aim of better understanding racial and economic disparities.

9/1/98-6/12/00 **NSF 9810373**

Title: “Birth weight, culture change and cardiovascular risk factors in Filipino adolescents” (Dissertation)

Role: Co-Investigator

Objective: Tested hypothesis that birth weight and maternal nutrition during pregnancy would predict CVD risk factors in adolescent offspring experiencing rapid cultural/SES change in Philippines.

**PUBLICATIONS****Peer-reviewed Articles**

- 1998 Kuzawa, CW, “Adipose tissue in human infancy and childhood: an evolutionary perspective”. *Yearbook of Physical Anthropology*, 41: 177-209.
- 1998 Barrett, RL, Kuzawa, CW, McDade, TW, Armelagos, GA, “Emerging and re-emerging infectious diseases: the third epidemiologic transition”. *Annual Reviews of Anthropology*, 27: 247-71.
- 2001 McDade, TW, Beck, M, Kuzawa, CW, Adair, LS, “Prenatal undernutrition and postnatal growth are associated with adolescent thymic function”. *J of Nutrition*, 131: 1225-31.
- 2001 McDade, TW, Beck, M, Kuzawa, CW, Adair, LS, ‘Prenatal undernutrition, postnatal environments, and antibody response to vaccination in adolescence,” *Am J Clin Nutr*, 74(4):543-8.
- 2001 Adair, LS, Kuzawa, CW, Borja, J, “Maternal energy stores and diet composition during pregnancy program adolescent blood pressure” *Circulation*, 104(9):1034-9.
- 2002 Lampl, ML, Kuzawa, CW, Jeanty, P, “Infants thinner at birth exhibit smaller kidneys for their size late in gestation in a sample of fetuses with appropriate growth”, *Am J Hum Biol*, 14(3): 398-406.
- 2003 Kuzawa, CW, Adair, LS, “Lipid profiles in adolescent Filipinos: relation to birth weight and maternal energy status during pregnancy”. *Am J Clin Nutr*, 77: 960-66.
- 2003 Lampl, ML, Kuzawa, CW, Jeanty, P, “Prenatal smoke exposure alters growth in limb proportions and head shape in the midgestation fetus”, *Am J Hum Biol* 15(4):533-46.
- 2003 Kuzawa, CW, Adair, LS, Avila, JL, Cadungog, JHC, Le, N-A, “Atherogenic lipid profiles in Filipino adolescents with low body mass index and low dietary fat intake.” *Am J Hum Biol*, 15(5):688-96.
- 2003 Leonard, WR, Robertson, ML, Snodgrass, JJ, Kuzawa, CW, “Metabolic correlates of hominid brain evolution.” *Comp Biochem Physiol A Mol Integr Physiol*. 136(1):5-15.
- 2003 Kuzawa, CW, “Modeling fetal adaptation to nutrient restriction: testing the fetal origins hypothesis with a supply-demand model”. *J Nutrition*, 134: 194-200.
- 2004 McDade, TW, Kuzawa, CW, Adair, LS, Beck, M, “Prenatal and early postnatal environments are significant predictors of total immunoglobulin E concentration in Filipino adolescents.” *Clin Exp Allergy*, 34 (1) p.44-50.

- 2004 Kuzawa, CW, Adair, LS, “A supply-demand model of fetal energy sufficiency predicts lipid profiles in male but not female adolescent Filipinos”. *Eur J Clin Nutr*, 58(3) 438-48.
- 2005 Lampl, M, Kuzawa, C, Jeanty, P, “Growth patterns of the heart and kidney suggest inter-organ collaboration in facultative fetal growth.” *Amer J Hum Biol* 17(2): 178-94.
- 2005 Kuzawa, CW, “The fetal origins of developmental plasticity: Are fetal cues reliable predictors of future nutritional environments?”. *Amer J Hum Biol* 17 5-21.
- 2005 Kuzawa, CW, Pike, IL, “Introduction. Fetal origins of developmental plasticity”. *Amer J Hum Biol* 17,1-4.
- 2007 Kuzawa, CW, Quinn, EA, Adair, LS, “Leptin in a lean population of Filipino adolescents”. *Amer J Phys Anthropol*, 132(4):642-9.
- 2007 Kuzawa, CW, “Developmental origins of life history: growth, productivity and reproduction”. *Amer J Hum Biol* 19(5):654-61.
- 2008 Sharrock, K, Kuzawa, CW, Tanner, S, Leonard, WR, Reyes-Garcia, V, Vadez, V, Huanca, T, McDade, TW “Developmental changes in the relationship between leptin and adiposity in Tsimané children and adolescents”. *Amer J Hum Biol* 20: 392-8.
- 2008 Heinke, D, Kuzawa, CW, “Self-reported illness and birth weight in the Philippines: Implications for hypotheses of adaptive fetal plasticity”. *Amer J Hum Biol* 20: 538-544.
- in press McDade TW, Rutherford J, Adair LS, Kuzawa CW, “Adiposity and pathogen exposure predict C-reactive protein in Filipino women.” *J Nutrition*.
- in press Kuzawa CW, Sweet E, “Epigenetics and the embodiment of race: developmental origins of US racial disparities in cardiovascular health”. *Amer J Hum Biol*

### **Edited Volumes**

- 2005 Editor (with IL Pike) of special issue of *American Journal of Human Biology* devoted to “The Fetal Origins of Developmental Plasticity: Life History, Adaptation, and Disease”, vol 17, issue 1, 2005

### **Book Reviews**

- 2005 Review of J Schulkin (ed), *Allostasis, Homeostasis, and the Costs of Physiological Adaptation*, Cambridge University Press. In: *Human Biology*, 77(4) 532-36.
- 2007 Review of SC Cunnane, *Survival of the Fattest. The Key to Human Brain Evolution*. In: *Amer J Phys Anthropol* 132 (1):158-159.

- 2007 Review of RC Hauspie, N Cameron, L Molinari, *Methods in Human Growth Research*. Cambridge University Press. 2004. In: *Anthropos*. 102(1): 262.
- 2008 Review of K Hawkes, R Paine, *The Evolution of Human Life History*, School of American Research Press. 2006. In: *Anthropos*. 103(1): 260.

### **Digital media**

- 2007 Kuzawa CW, “Early Nutrition, Development and Health: Evolutionary Perspectives on the Metabolic Syndrome”, for the digital seminar series *Evolutionary Medicine* (Randolph Nesse, ed), Published by Henry Stewart Talks.

### **Letters to the Editor**

- 2005 “The origins of the developmental origins hypothesis and the role of postnatal environments: response to Koletzko”. *Am J Hum Biol*, 17: 662-64, 2005.

### **Edited Book Chapters and Other Publications**

- 1991 Kuzawa, CW, “Patterns of age-related bone loss in a Classic Hohokam population from Pueblo Grande”. *Ascent*. University of Colorado. 4: 9-18.
- 1992 Kuzawa, CW, and DP Van Gerven, “Patterns of age-related bone loss (osteopenia) at Pueblo Grande.” In DP Van Gerven and SG Sheridan, eds., *The Bioethnography of a Classic Hohokam Population: Nutrition, Health, and Disease at Pueblo Grande*, 229-257. Phoenix. Soil Systems. (peer reviewed)
- 1994 Kuzawa, CW, “Lifelong cortical bone growth and loss among the Classic period Hohokam of Pueblo Grande”. *Honors Journal* 3 (1-2) 31-69. University of Colorado Honors council.
- 2001 Adair, LS, Kuzawa, CW, “Early growth retardation and syndrome X: Conceptual and methodological issues surrounding the programming hypothesis,” In: R Martorell and F Haschke, eds., *Nutrition and Growth*, Nestle Nutrition Workshop Series, Vol. 47, pp 333-350. Geneva
- 2004 McDade, TW, Kuzawa, CW, “Fetal programming of immune function: The early life origins of immune function”. In: *Fetal nutrition and adult disease: Programming of chronic disease through fetal exposure to undernutrition*, SC Langley-Evans (ed.). pp. 311-332.
- 2007 Kuzawa, CW, Gluckman, PD, Hanson, MA, “Developmental perspectives on the origins of obesity” in *Adipose Tissue and Adipokines in Health and Disease*. E Fantuzzi and T Mazzone ed., Humana Press. pp 207-219.

- 2007 Kuzawa CW, Gluckman PD, Hanson MA, Beedle A, “Evolution, developmental plasticity, and metabolic disease”, In *Evolution in Health and Disease* (2<sup>nd</sup> Edition), SC Stearns and JC Koella (eds). Oxford University Press. pp. 253-264.
- 2008 Kuzawa CW, “The developmental origins of adult health: intergenerational inertia in adaptation and disease” In *Evolution and Health*, W Trevathan, EO Smith and JJ McKenna (eds). Oxford University Press. pp. 325-349.
- 2008 Kuzawa CW (in press), “Beyond feast-famine: brain evolution, human life history and the metabolic syndrome”, In *Evolutionary Anthropology*, M Muehlenbein (ed), Cambridge University Press.

### **Media Coverage, Editorials, Commentary**

- 2007 Op-Ed/Commentary (w/PD Gluckman), “Save your money and leave the tap water alone: our gene pool is just fine”. Sunday Star Times (New Zealand), July 15<sup>th</sup>, 2007.
- 2006 “Upfront” profile and interview, in *The Listener* (New Zealand events/news/culture weekly), March 11-17, 2006.
- 2006 “Fetuses cast new light on diseases of adults”, February 27, 2006, *New Zealand Herald*
- 2006 “A leading biological anthropologist explains why human babies are so fat” Studio interview on *Afternoons with Jim Mora*, National Radio, Radio New Zealand, February 16, 2006
- 2006 Radio interview with Mike Hoskings on Newstalk Radio ZB, February 25, 2006
- 2003 *Nutrition Research Newsletter*, “Maternal nutrition and offspring CVD risk later in life” 2003, Vol. 22 Issue 5, p4
- 2000 *Science News*, Damaris Christensen, ‘Weight matters, even in the womb: Status at birth can foreshadow illnesses decades later’. Vol. 158, No. 24 (<http://www.sciencenews.org/20001209.asp>)
- 1990 *New York Times* ‘Students find ancient Indian site in Colorado’. Sunday, Aug 25 Section A p.33 (Lexis/Nexis)
- 1990 *Los Angeles Times*, Evan Maxwell, ‘A centuries old village sets off familiar dispute. Clay pot sherds lead to the discovery of an unmapped Anasazi site in Colorado’. Tuesday Nov. 13, Section A p. 5. (Lexis/Nexis)

### **Symposia and workshops organized**

- 2004 “The Fetal Origins of Developmental Plasticity: Life History, Health and Disease” w/ IL Pike, Plenary session held at annual meeting of Human Biology Association, Tampa, Fla.
- 2006-2011 Co-director and instructor (w/ T McDade and E Adam), Annual Cells 2 Society Summer Biomarker Institute (funded by NIH)
- 2007 “The Adaptable Phenotype”, w/ D Benyshek, joint AAPA/HBA/NSF sponsored symposium on the emerging synthesis of evolutionary-developmental biology (genetics), developmental plasticity, epigenetics, and life history theory, AAPA annual meetings in Philadelphia, March 2007

**Public lectures, plenaries and seminars**

- 2008 Seminar, “Transgenerational influences on birth outcomes: can evolutionary biology help us design better interventions?”, Baylor College of Medicine, Child Nutrition Research Center, Oct 30.
- 2008 Invited speaker, Annual Meeting of American College of Epidemiology (theme “The Dawn of Evolutionary Epidemiology”), Tucson, Sept 14-16, 2008.
- 2008 Symposium, “Anchoring the future to the past: the fetal origins of adult biology and health”, The Yale Symposia on Evolution in Health and Disease (SC Stearns, organizer), April 17<sup>th</sup>, 2008.
- 2008 Seminar, “Anchoring the future to the past: the fetal origins of adult biology and health in the Philippines”. University of New Mexico, Department of Anthropology, April 3, 2008.
- 2008 Invited participant, “Workshop: Earth system context for hominin evolution”, National Research Council (National Academies), Irvine CA, Feb 21-22, 2008.
- 2008 Seminar, “Fetal development, brain energetics and adult health: evolutionary perspectives”, NIH Perinatal Research Branch/NIH Molecular Evolution Research Group, Wayne State University, Feb 6.
- 2007 Seminar, “Fetal and intergenerational influences on adult health: evidence and policy implications” Maryland Population Research Center, University of Maryland, Oct 5.
- 2007 Keynote speaker and Discussant at IUSSP/NIH/UN-sponsored workshop on “Aging in Developing Countries: Building Bridges for Integrated Research Agendas”, Santiago, Chile, April 23-24.
- 2007 “Intergenerational inertia, developmental plasticity and adaptation”, workshop of “Prediction in adaptation”, Lecture, Liggins Institute, University of Auckland, New Zealand, March 20-22, 2007

- 2007 Seminar, “Developmental Plasticity, Nutrition and Adult Health: Evolutionary Perspectives”, Department of Anthropology, University of Wisconsin (Milwaukee), Jan 26, 2007.
- 2007 Seminar, “Is the metabolic syndrome a brain-sparing phenotype? Insights from developmental and evolutionary biology”, Northwestern Medical School (Endocrinology), Jan 17, 2007.
- 2006 “More than chromosomes and culture: Developmental plasticity and the origins of sex differences”, Seminar on the Ecology of the Male Life Course sponsored by the International Society for the Scientific Study of Population (IUSSP), Rauschholzhausen Castle, Germany, 10-12 October.
- 2006 “Evolutionary constraints on human infancy: Lessons for DOHaD”. Plenary given at the 4<sup>th</sup> International Congress for the developmental origins of health and disease, Utrecht, Netherlands, Sept 13-17, 2006.
- 2006 “Why are human babies fat – and should we care?” Public lecture, the Liggins Institute, University of Auckland, February 22, 2006.
- 2005 “Prenatal and intergenerational influences on adult health and function”, invited lecture given at the Chicago Workshop on Biomarker Collection in Population-Based Health Research, The Center on Aging, NORC and the U of Chicago, June 9-10, Chicago.
- 2005 “Prenatal influences on adult health disparities”, Introductory conference for Cells 2 Society, The Center on Social Disparities and Health. June 6, Northwestern University, Evanston.
- 2005 “Nature, nurture, or inertia? Non-Genetic Pathways for the Intergenerational Transmission of Health Disparities”, seminar presented at the Institute of Policy Research, Northwestern University. February 21, 2005
- 2005 “The fetal origins hypothesis and human adaptation: are fetal cues reliable predictors of future nutritional environments?”, colloquium given to the Department of Anthropology, University of Michigan, Ann Arbor. February 18, 2005
- 2004 “The fetal origins hypothesis and human adaptation: are fetal cues reliable predictors of future nutritional environments?”, Department of Anthropology, Stanford University. November 20, 2004
- 2004 “Testing the fetal origins hypothesis in the Philippines”, Invited talk given to Evanston Northwestern Hospital Research Institute. June 18<sup>th</sup>, 2004.

- 2004 “The fetal origins of developmental plasticity: evidence, possibilities, and challenges”. In plenary session “The fetal origins of developmental plasticity: Life history, adaptation, and disease”, 29<sup>th</sup> national meetings of the Human Biology Association, Tampa, FL, April 14-15. *Amer J Hum Bio*, 16(2) 233-34.
- 2003 “Early life influences on adult health in the Philippines.” Seminar, Turek Lab, Northwestern University, Evanston, October 2003.
- 2003 “Early life influences on adult health status in the Philippines.” Paper presented as part of the FAN symposium on international health research initiatives at Northwestern University, Evanston, February 1, 2003.
- 2002 “Maternal nutrition, fetal growth, and cardiovascular risk in Filipino adolescents.” Seminar, Division of Epidemiology, University of Minnesota, Minneapolis, March 15, 2002.
- 1999 “Can undernutrition lead to diabetes and obesity? Fetal nutrition and adult chronic disease.” Invited seminar, sponsored by the Graduate School of the University of San Carlos, Cebu City, Philippines, March 4, 1999.
- 1999 “Is chronic disease risk ‘programmed’ before birth? Emerging evidence that fetal undernutrition increases risk for adult diseases of ‘excess’.” Invited paper presented at the 10<sup>th</sup> Annual Biology Symposium, University of San Carlos (Talamban), Cebu City, Philippines, February 26, 1999
- 1997 “Infant disease ecology, body fat growth, and metabolic disease: a hypothesis.” Invited seminar presented to the Maternal and Child Health Branch, Division of Nutrition and Physical Activity, Centers for Disease Control. Atlanta, Ga., June 24, 1997.

### **Conference papers**

- 2008 Quinn EA, Kuzawa CW “Are daughters breastfeeding behaviors predicted by their mother’s breastfeeding behaviors?” Human Biology Association national meeting, Columbus OH.
- 2008 McDade, TW, Rutherford, J., Adair, L. and C. Kuzawa. “Early origins of inflammation: A life course perspective on the predictors of C-reactive protein in young adults in the Philippines”. Presentation in podium session “Biodemographic perspectives on early life influences on later life health,” annual meeting of the *Population Association of America*, New Orleans, LA, April 18.
- 2008 Duazo P, Avila J, Kuzawa C, “Breast-feeding and later psychosocial development in the Philippines”, poster presented at annual meeting of the *Population Association of America*, New Orleans, LA, April 18.

- 2007 Kuzawa, CW, Quinn EA, Adair LS “Intergenerational predictors of fetal growth rate in generation 3 of the Cebu cohort.” Invited speaker in session on “Lifecourse Biology” 5<sup>th</sup> International Congress on Developmental Origins of Health and Disease (DOHaD), Perth, Australia, November 10.
- 2007 Adair LS, Kuzawa, CW, McDade TW “CVD risk factors in young adults are differentially sensitive to different measures of infant size, gender, and young adult weight status”. 5<sup>th</sup> International Congress on Developmental Origins of Health and Disease (DOHaD), Perth, Australia, November 10
- 2007 Kuzawa, CW, Quinn EA, “Is intrauterine nutrition a source of information for the fetus? A test in the Philippines”, paper for invited session “Challenges and trade-offs in human pregnancy”, Annual meeting of the American Anthropological Association, Washington, DC, December 1.
- 2007 Kuzawa, CW and Benyshek D “Introduction and historical overview”, AAPA national meetings Philadelphia, April 2007.
- 2007 Kuzawa, CW “Early life nutritional cues, developmental plasticity and human life history: new evidence”, AAPA national meetings Philadelphia, April 2007.
- 2006 Kuzawa, CW “Life history perspectives on growth, productivity and adult physiology and function.” Paper presented at HBES meetings, June 8, 2006, Philadelphia.
- 2006 Kuzawa, CW “Life history perspectives on growth, productivity and adult function.” Invited participant in session “Is adaptation healthy? Contrasting views on health patterns in adverse environments” held at the AAPA national meetings, March 10, 2006, Anchorage. *AJPA*
- 2006 Kuzawa, CW, Snodgrass, JJ, Leonard WR, “Evolutionary medicine and cholesterol.” Paper presented at the HBA national meetings, March 9, 2006, Anchorage. *AJHB*
- 2006 Quinn EA, Kuzawa CW, Adair LS “Effects of infant feeding method at two and four months of life on male and female adolescent leptin concentrations.” Paper presented at the AAPA national meetings, March 9, 2006, Anchorage. *AJPA*
- 2005 Kuzawa, CW and TW McDade, “Early environments and adolescent health in the Philippines: Developmental influences on inflammation” Invited participant in session “Policy implications of biosocial research on child development” held at the national meetings of the American Anthropological Association, November 2005, Washington DC. *Amer Anthropol*
- 2005 Quinn, EA, McDade, TW, Kuzawa CW, and LS Adair, “The weanling’s dilemma: life history trade-offs and infant feeding decisions in the Philippines” Invited

- participant in session “Applied behavioral ecology of young child feeding” held at the national meetings of the American Anthropological Association, November 2005, Washington DC. *Amer Anthropol*
- 2005 Adair, LS, McDade TW, and CW Kuzawa “Growth patterns of adolescent risk groups defined by lipid profiles, insulin resistance, and blood pressure” Poster presented at the International Association for the Developmental Origins of Health and Disease (DOHaD), Nov. 2005, Toronto. *Pediatric Res*
- 2005 Kuzawa, CW, “Prenatal and postnatal influences on later lipid metabolism”. Invited speaker in session on cardiovascular risk factors held at the International Association for the Developmental Origins of Health and Disease (DOHaD), November 2005, Toronto.
- 2005 Quinn, EA, Kuzawa CW, McDade TW, and LS Adair, “Association between mode of infant feeding and lepin concentrations in adolescent Filipinos” Poster presented at the International Association for the Developmental Origins of Health and Disease (DOHaD), November 2005, Toronto. *Pediatric Res*
- 2005 Kuzawa, CW, “Beyond the thrifty gene: human life history, energetics, and the metabolic syndrome”. Paper presented in invited session on “The metabolic syndrome”, National meetings of the American Association of Physical Anthropologists, Milwaukee, April 8, 2005. *AJPA*
- 2005 Kuzawa, CW, “Long term effects of maternal/child health”, Community Child Health Network (CCHN), Los Angeles, January 20, 2005.
- 2004 Kuzawa, CW, “Relationship between size at birth and maturational timing in males”. International Congress of Auxology, July 4-7, Firenze, Italy.
- 2004 Kuzawa, CW, Miller, E, and LS Adair, “Maternal and prenatal influences on male life history”. Paper included in the invited session entitled “Life history, energetics, and human evolution”, National meetings of the American Association of Physical Anthropologists, Tampa, FL, April 14-17. *Amer J Phys Anthropol*, 123, Suppl 38, p.130.
- 2003 Kuzawa, CW, “Sex differences in environmental sensitivity: prenatal origins?” Paper presented at the national meetings of the Human Biology Association, Tempe AZ, April 27<sup>th</sup>. *Amer J Hum Bio*, 15 (2) p.270.
- 2003 Kuzawa, CW and LS Adair, “Prenatal influences on leptin in adolescent Filipinos.” Paper presented at the national meetings of the American Association of Physical Anthropology, Tempe AZ, April 27<sup>th</sup>. *Amer J Phys Anthropol*, Suppl. 36, p.134.

- 2003 Kuzawa, CW, “Modeling prenatal adaptive responses to nutrient restriction” Invited paper presented in plenary session “A critical evaluation of the fetal origins hypothesis and its implications for developing nations,” Experimental Biology Meetings (FASEB), San Diego California, April 13<sup>th</sup>. *FASEB Journal*
- 2002 Kuzawa, CW and LS Adair, “A supply-demand model of fetal cholesterol programming: assessing the importance of fetal growth potential” Invited paper presented in session on the Determinants and Consequences of the Nutrition Transition at the Household and Population Level, Experimental Biology Meetings (FASEB), New Orleans, April 20-24. *FASEB Journal*, Vol. 16 (4-1), Abstract 475.5. p.A616
- 2002 Kuzawa, CW and LS Adair, “Maternal nutritional status and diet during pregnancy and offspring lipid metabolism in Filipino adolescents”. Paper presented at the annual meetings of the American Association of Physical Anthropologists, Buffalo, April 10-14. *Amer J Phys Anthropol*, Suppl. 34, p.99.
- 2002 Kuzawa, CW and LS Adair, “A Supply-Demand model of prenatal cholesterol programming: Assessing the importance of fetal growth potential”. Poster presented at the annual meetings of the Human Biology Association, Buffalo, April 12-14. *Amer J Hum Bio*, 14(1).
- 2001 Kuzawa, CW, Adair, LS, “Fetal programming of lipid metabolism: long-term implications of fetal growth in Filipino adolescents”. Paper presented at the annual meeting of the American Association of Physical Anthropologists, March 2001. *Amer J Phys Anthropol*, Suppl. 32, p.94
- 2001 Lampl, M, Kuzawa, CW, and P Jeanty, “Building a head and body from parental directives: Sexual dimorphism under fetal constraint”. Paper presented at the annual meeting of the American Association of Physical Anthropologists, March 2001. *Amer J Phys Anthropol* Suppl 32, p.95
- 2001 Kuzawa, CW, Lampl, M, and P Jeanty, “The fetal origins of adult disease: Prenatal insult or normal growth variation? An ultrasound study of renal size in human fetuses with appropriate growth”. Paper presented at the annual meeting of the Human Biology Association, March 26-28, 2001. *Amer J Hum Bio* 13(1) p.128
- 2001 McDade, TW, Beck, M, Kuzawa, CW, and Adair, LS, “Long-term effects of prenatal and early postnatal experience on adolescent immune function”. Poster presented at the annual meeting of the Human Biology Association, March 26-28, 2001. *Amer J Hum Bio* 13(1) p.132
- 2001 Adair LS, McDade TW, Kuzawa CW, Beck M, “Prenatal undernutrition is associated with reduced immune function in adolescence”. Poster presented at the

- First World Congress on Fetal Origins of Adult Disease, Mumbai, India, Feb 2-5, 2001. *Pediatric Research*, July 2001.
- 2001 Adair LS, Kuzawa CW, “Postnatal Growth is a More Important Determinant of Blood Pressure Than Size at Birth Among Filipino Adolescents”. Poster presented at the First World Congress on Fetal Origins of Adult Disease, Mumbai, India, Feb 2-5, 2001. *Pediatric Research*, July 2001.
- 2000 Kuzawa, CW, “Fat baby, healthy adolescent? Testing the blood pressure ‘programming’ hypothesis among Filipino adolescents” Poster presented at the 25<sup>th</sup> Annual meeting of the Human Biology Association, San Antonio TX, April 10-12. *Amer J Hum Bio* 12(2) p.268
- 2000 Kuzawa, CW, “The CLHNS Cardiovascular Risk Study: Modeling lifelong influences on blood pressure in Filipino adolescents” Invited paper presented in session on the Nutrition Transition, Experimental Biology Meetings (FASEB), San Diego, April 14-16. *FASEB Journal*, 14 (4) p. A791
- 2000 Kuzawa, CW and L.S Adair, “Synergy between fetal undernutrition and lifestyle: determinants of cardiovascular risk in Filipino adolescents.” Paper presented in the session “Hormones Throughout the Lifecycle”, at the 9<sup>th</sup> International Congress of Auxology, Turin Italy, September 3-6. *Acta Medica Auxologica (Milan)*. 32 (1) 35.
- 1998 Kuzawa, CW “Female growth canalization: Do boys have more to lose?” Poster presented at the 67<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Salt Lake, Utah, April 1-4. *Amer J Phys Anthropol* Suppl 26, p.145
- 1997 Kuzawa, CW, “Sex differences in childhood and adolescent growth in relation to height at 4 and 6 years of age: A cross-population analysis.” Poster presented at the 8<sup>th</sup> International Congress of Auxology, Philadelphia, PA, June 29-July 3, 1997.
- 1997 Kuzawa, CW, “Sex differences in childhood and adolescent growth in relation to height at 4 and 6 years of age: A cross-population analysis.” Poster presented at the 8<sup>th</sup> International Congress of Auxology, Philadelphia, PA, June 29-July 3, 1997.
- 1997 Kuzawa, CW, “Body fat as system: an evolutionary and developmental consideration of the growth and function of body fat.” Paper presented at the 66<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, St. Louis, MO, April 1-5, 1997. *Amer J Phys Anthropol*, Suppl 24, p.148
- 1997 Linn, J, RL Barrett, TW McDade, CW Kuzawa, GA Armelagos, “Emerging disease and the third epidemiological transition.” Poster presented at the 66<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, St. Louis, MO, April 1-5, 1997. *Amer J Phys Anthropol*, Suppl 24, p.156

- 1996 Kuzawa, CW, “Baby fat in evolutionary perspective: infectious disease and the evolution of human growth.” Paper presented at the 95<sup>th</sup> Annual Meeting of the American Anthropological Association, San Francisco, Ca., Nov. 20-24, 1996.
- 1996 Armelagos, GA, and CW Kuzawa, “Skeletons in our closet: The anthropology of skeletal biology.” Paper presented at the 95<sup>th</sup> Annual Meeting of the American Anthropological Association, San Francisco, CA., Nov. 20-24, 1996.
- 1996 Kuzawa, CW, and GA Armelagos. “Hydrocephalus in a 10 year-old child from an X-Group Nubian population.” Poster presented at the 65<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists, Raleigh-Durham, April 10-13. *Amer J Phys Anthropol*, Suppl 22, p.143
- 1996 Kuzawa, CW, “Baby fat in evolutionary perspective: Infectious disease and the ontogeny of body fat in infancy and childhood.” Paper presented at the 1996 Annual Graduate Symposium, Anthropology Department, Emory University.
- 1992 Kuzawa, CW, and DP Van Gerven. “Patterns of age-related bone loss in a Classic Hohokam population from Pueblo Grande.” Poster presented at the 62<sup>nd</sup> Annual Meeting of the American Association of Physical Anthropologists, Las Vegas. *Amer J Phys Anthropol*, Suppl 14, p.103

### **Review/Advisory Panels**

- 2006-2007 Review panel: National Science Foundation – Physical Anthropology program, Dissertation Improvement Award applications.
- 2004-2005 Review panel: National Science Foundation – Behavioral, Social, and Economic Sciences, Research Opportunities for Undergraduates (REU) site applications.

### *Ad hoc grant/manuscript reviews:*

National Science Foundation, The Leakey Foundation, Austrian Science Fund, Cambridge University Press, National Research Council, South African Medical Research Council, Johns Hopkins University Press, Proceedings of the National Academy of Sciences, Proceedings of the Royal Society of London, Transactions of the Philosophical Society of London (Biological Reviews), Scientific American, Current Anthropology, American Anthropologist, American Journal of Physical Anthropology, Journal of Human Evolution, Yearbook of Physical Anthropology, American Journal of Human Biology, Trends in Endocrinology and Metabolism, European Journal of Clinical Nutrition, Medical Anthropology, Annals of Human Biology, International Journal of Epidemiology, International Journal of Obesity, American Journal of Epidemiology, Neonatology, Metabolism, Nutrition and Metabolism, Evolutionary Bioinformatics, Biologia, Public Health Nutrition.

**Courses taught**

The Evolution of Life Histories (ANTH 306)  
Quantitative Methods of Analysis (ANTH 362)  
Human Growth and Development (ANTH 314)  
Methods in Human Biology Research (ANTH 386)  
Freshman Seminar in Evolutionary Medicine (ANTH 101)  
Graduate: Evolutionary Theory  
Graduate: History and Theoretical Foundation of Biological Anthropology and Human Biology  
Graduate: Human Growth and Development  
Graduate: Evolution of Life Histories  
Graduate: Fat in Adaptation and Disease

**Fieldwork/Professional Experience**

1998-present Field research, Cebu City, Philippines.

2005 Stanford workshop in formal demography

2002 NIH National Research Scientist Award post-doctoral training fellowship in cardiovascular epidemiology. University of Minnesota, School of Public Health, Department of Epidemiology.

1996 Eight week feasibility assessment for field research in Ituri Forest in the former Zaire (now the Democratic Republic of the Congo)

1995 Lab training in immunometric assay methods, Laboratory for Comparative Human Biology, Emory University

**Professional Memberships**

American Anthropological Association (Biological Anthropology Section), American Association of Physical Anthropologists, Human Biology Association, International Society for the Developmental Origins of Health and Disease (DOHaD), American Society for Nutritional Sciences (FASEB), Society for International Nutrition Research.