

*Curriculum Vitae*

**THOMAS W. McDADE**

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**Appointments**

- 2007-present Weinberg College Board of Visitors Research and Teaching Professor
- 2007-present Associate Professor, Human Development and Social Policy (courtesy)
- 2006-present Associate Professor, Department of Anthropology
- 2006-present Associate Director, Cells to Society (C2S): The Center on Social Disparities and Health
- 2004-present Faculty Fellow, Institute for Policy Research
- 2003-present Adjunct Curator, The Field Museum, Chicago, IL
- 2000-present Director, Laboratory for Human Biology Research
- 2000-present Fellow, Center for Reproductive Science
- 2000-2006 Assistant Professor, Department of Anthropology

**Education**

- 1999-2000 NICHD-sponsored NRSA postdoctoral fellowship, Carolina Population Center and Dept. of Pediatrics, University of North Carolina, Chapel Hill (#2 T32 HD07168-21)
- 1993-1999 Emory University (Atlanta, GA)  
Ph.D., Department of Anthropology
- 1987-1991 Pomona College (Claremont, CA)  
B.A. in biosocial anthropology, *summa cum laude*  
Phi Beta Kappa

**Areas of Specialization**

Biocultural perspectives on health and human development; global health; human biology; stress; immune function; field and laboratory methods; adolescence; life history theory; medical anthropology

**Research support**

- 2007 National Institute of Child Health and Human Development (1 R01 HD053731-01A1; \$1,829,368). "Social influences on early adult stress biomarkers"  
Role: PI
- 2007 National Institute of Child Health and Human Development (\$2,500,000)  
"Community Health Child Network Phase 2-Lake County, IL"  
Role: Co-investigator
- 2006 Harvard University School of Public Health (\$105,000)

- “Kuwait Public Health Survey”  
Role: PI of subcontract
- 2006 National Institute of Child Health and Human Development (\$250,000)  
“Inequality, social capital and health in Bolivia”  
Role: Co-investigator
- 2006 National Science Foundation (BCS-0552296; \$100,000)  
“Social returns of local knowledge in child health and forest conservation: A study in a native Amazonian population of Bolivia”  
Role: Co-investigator
- 2006 National Science Foundation (BCS-0622576; \$12,000)  
“Market integration, stress, and child health among the Tsimane' of the Bolivian Amazon”  
Role: PI (Dissertation Improvement Grant for C. Nyberg)
- 2006 National Science Foundation (BCS-0542182; \$156,682)  
“Early Life Nutrition, Developmental Plasticity, and Reproductive Ecology in Filipino Males”  
Role: Co-investigator
- 2006 National Institute of Child Health and Human Development (Subcontract: \$980,000)  
“Obesity development and CVD risk factor clustering in Filipino women and offspring”  
Role: Co-investigator
- 2006 National Institute of Child Health and Human Development (5 R21 HD 053946; \$962,465). “Cells to Society (C2S): The Center on Social Disparities and Health”  
Role: Co-investigator; C2S Associate Director and Director of Methodology Core
- 2006 National Science Foundation (BCS-0609924; \$104,866)  
“Summer field training in methods to collect data”  
Role: Co-investigator
- 2006 Beckman Coulter Educational Matching Funds Program (\$70,920)  
Grant in support of the purchase of Biomek NX laboratory automation workstation.
- 2005 National Institute of Aging (R01 AG021487; \$265,000)  
“National Social Life, Health, and Aging Project (NSHAP)”  
Role: PI of subcontract (from U Chicago)
- 2005 National Institute of Aging (\$20,790)  
“Analysis of C-reaction protein in the Micro Foundations of Health and Economic Development Study”  
Role: PI of subcontract from USC/UCLA Biodemography Center
- 2005 National Institute of Child Health and Human Development (\$14,740; pilot grant to establish national network). “Community Action for Child Health Equity (CACHE)”  
Role: Co-investigator
- 2005 National Science Foundation (BCS-0514731; \$12,000)  
“Social status and stress among African American adolescents”  
Role: PI (Dissertation Improvement Grant for E. Sweet)
- 2003 National Science Foundation (BCS-0322380; \$115,475)

- “Modernization and its discontents: A multidimensional analysis of quality of life”  
Role: PI
- 2002 National Science Foundation Faculty Early Career Development (CAREER) Award (BCS-0134225; \$300,000; changed to PECASE in 2004)  
“Acculturation, health, and the ecology of immune function: Integrated research and education in human biology”  
Role: PI
- 2002 National Science Foundation (BCS-0200767; \$25,200)  
“Modernization and its discontents: Socioeconomic and biological influences on quality of life”  
Role: Co-investigator
- 2001 National Science Foundation (BCS-0115717; \$65,610)  
“Evaluation of low dietary iron as a nutritional adaptation to infectious disease”  
Role: Co-PI
- 2001 University Research Grants Committee, Northwestern University (\$5,185)  
“Acculturation and health among indigenous children in lowland Bolivia”  
Role: PI
- 2001 Office of the Provost: Enhancing Undergraduate Research Experience (\$19,250)  
“Anthropology, human biology, and health: Integrating coursework and collaborative research.”  
Role: PI
- 1997 National Science Foundation, Dissertation Improvement Grant (#9705161; \$11,995)  
“Culture change, stress, and immune function in Western Samoan youth”
- 1997 Wenner-Gren Foundation, Predoctoral Grant (#6240; \$13,500)  
“Culture change, stress, and immune function in Western Samoan youth”
- 1997 Society for the Psychological Study of Social Issues  
Grants-in-aid of dissertation research

### **Awards and Fellowships**

- 2007-present Faculty Fellowship, Institute for Policy Research, Northwestern University (1/2 time appointment)
- 2004 Presidential Early Career Award for Scientists and Engineers (PECASE), White House Office of Science and Technology (based on 2002 NSF CAREER award)
- 2004-2007 Faculty Fellowship, Institute for Policy Research, Northwestern University (1/4 time appointment)
- 1999 Fellow, Carolina Workshop: Molecular Biology Techniques. UNC Chapel Hill, October 24-November 6.
- 1999 E.E. Hunt Award for Best Student Presentation, Human Biology Association
- 1998 Fellow, NIH-sponsored research training workshop on “Culture, Health, and Human Development.” Mystic, CT, May 12-20.
- 1993-1996 Jacob K. Javits Fellowship for Graduate Study

- 1995 Emory University Department of Anthropology Graduate Research Award for:  
“Prostates and profits: The social construction of benign prostatic hyperplasia in  
American men”

## Publications

- in press **McDade, T.W.** Beyond the gradient: An integrative anthropological perspective on social stratification, stress, and health. In Health, Risk, and Adversity, C. Panter-Brick and A. Fuentes (eds.).
- in press **McDade, T.W.** and C. Nyberg. Acculturation and health. In Human Evolutionary Biology, M. Muehlenbein (ed.). Cambridge University Press.
- in press Sharrock, K., Kuzawa, C., Leonard, W., Tanner, S., Reyes-García, V., Vadez, V., Huanca, T. and **T.W. McDade**. Developmental changes in the relationship between leptin and adiposity among Tsimané children and adolescents. American Journal of Human Biology.
- in press Godoy, R., Reyes-Garcia, V., Leonard, W.R., Huanca, T., **McDade, T.W.**, Vadez, V., and S. Tanner. The role of individuals and community in the formation of social capital. Human Ecology.
- in press Reyes-Garcia, V., **McDade, T.W.**, Leonard, W.R., Huanca, T., Tanner, S., Vadez, V., and R. Godoy. Non-market returns to tradition human capital: nutritional status and traditional knowledge in a native Amazonian society. Journal of Development Studies.
- in press Reyes-García V., Molina, J.L., Broesch, J., Calvet, L., Huanca, T., Leonard, W.R., **McDade, T.W.**, Saus, J. and S. Tanner. Do the aged and knowledgeable men enjoy more prestige? A test of predictions from the prestige-bias model of cultural transmission. Evolution and Human Behavior.
- 2008 **McDade, T.W.**, Reyes-García, V., Tanner, S., Huanca, T., and W.R. Leonard. Maintenance vs. growth: Investigating the costs of immune activation among children in lowland Bolivia. American Journal of Physical Anthropology 136: 478-84.
- 2008 Lindau, S.T. and **T.W. McDade**. Minimally-invasive and innovative methods for biomeasure collection in population-based research. In Biosocial Surveys, Committee on Advances in Collecting and Utilizing Biological Indicators and Genetic Information in Social Science Surveys, M. Weinstein, J.W. Vaupel, and K.W. Wachter (eds). Washington, D.C.: National Academies Press.
- 2007 Reyes-Garcia, V., Marti, N., **McDade, T.W.**, Tanner, S. and V. Vadez. Concepts and methods in studies measuring individual ethnobotanical knowledge. Journal of Ethnobiology 27: 182–203.
- 2007 Godoy, R., Reyes-Garcia, V., Seyfried, C., Huanca, T., **McDade, T.W.**, Tanner, S. and V. Vadez. Language skills and earnings: Evidence from a pre-industrial economy in the Bolivian Amazon. Economics of Education Review 26: 349-360.
- 2007 Godoy, R., Reyes-Garcia, V. Leonard, W. Huanca, T., **McDade, T.W.**, Vadez, V. and S. Tanner. Signaling by consumption in a native Amazonian society. Evolution and Human Behavior 28: 124-134.

- 2007 **McDade, T.W.**, Williams, S., and J.J. Snodgrass. What a drop can do: Dried blood spots as a minimally-invasive method for integrating biomarkers into population-based research. Demography 44: 899-925.
- 2007 Sweet, E., **McDade, T.W.**, Kiefe, C.I., Liu, K. The Interaction between skin color, income, and blood pressure among African Americans in the CARDIA Study. American Journal of Public Health 97: 2253-2259.
- 2007 **McDade, T.W.** Challenges and opportunities for integrative health research in the context of culture: A commentary on Gersten, “Neuroendocrine biomarkers, social relations, and the costs of cumulative stress in Taiwan”. Social Science and Medicine.
- 2007 **McDade, T.W.**, Reyes-García, V., Blackinton, P., Tanner, S., Huanca, T., and W.R. Leonard. Maternal ethnobotanical knowledge is associated with multiple measures of child health in the Bolivian Amazon. Proceedings of the National Academy of Sciences 104: 6134-6139.
- 2007 Reyes-García, V., Vadez, V., Tanner, S., Huanca, T., Leonard, W.R. and **T.W. McDade**. Ethnobotanical skills and clearance of tropical rain forest for agriculture: A case study in the lowlands of Bolivia. Ambio 36: 406-408.
- 2007 Patel, A.M., Godoy, R.A., Seyfried, C. Reyes-García, V., Huanca, T., Leonard, W.R., **McDade, T.W.**, and S. Tanner. On the accuracy of perceived parental height in a native Amazonian society. Economics and Human Biology 5: 165-178.
- 2007 Tanner, S. and **T.W. McDade**. Enzyme immunoassay for total immunoglobulin E (IgE) in dried blood spots. American Journal of Human Biology 19: 440-442.
- 2007 Snodgrass, J.J., Leonard, W.R., Tarskaia, L.A., **T.W. McDade**, Sorensen, M.V., Alekseev, V.P., and V.G. Krivoshapkin. Anthropometric correlates of C-reactive protein among indigenous Siberians. Journal of Physiological Anthropology 26: 241-246.
- 2007 **McDade, T.W.** Measuring immune function: Markers of cell-mediated immunity and inflammation in dried blood spots. In A Practical Guide to Measuring Stress in the Field, G.H. Ice and G.D. James (eds.). New York: Cambridge University Press, pp181-208.
- 2007 Reyes-García, V., Godoy, R., Huanca, T., Leonard, W.R., **McDade, T.W.**, Tanner, S., and V. Vadez. The origins of monetary income inequality: Patience, human capital, and division of labor. Evolution and Human Behavior 38: 37-47.
- 2007 Godoy, R., Tanner, S., Reyes-García, V., Leonard, W.R., **McDade, T.W.**, Vento, M., Broesch, J., Fitzpatrick, I., Giovannini, P., Huanca, T., Jha, N., and Bolivian TAPS study team. The effect of rainfall during gestation and early childhood on adult height in a foraging and horticultural society of the Bolivian Amazon. American Journal of Human Biology 20: 23-34.
- 2007 Godoy, R., Seyfried, C., Reyes-García, V., Huanca, T., Leonard, W.R., **McDade, T.W.**, Tanner, S. and V. Vadez. Schooling’s contribution to social capital: study from a native Amazonian society in Bolivia. Comparative Education 43: 137-163.
- 2007 Godoy, R., Reyes-García, V., Huanca, T., Leonard, W.R., **McDade, T.W.**, Tanner, S. and C. Seyfried. On the measure of income and the economic unimportance of social

- capital : Evidence from a native Amazonian society of farmers and foragers. Journal of Anthropological Research 63: 239-260
- 2007 Reyes-García, V., Vadez V., Huanca, T., Leonard, W.R., and **T.W. McDade**. Economic development and local ecological knowledge: A deadlock? Quantitative research from a native Amazonian society. Human Ecology 35: 371-377.
- 2006 Miller, A., Sharrock, K., and **T.W. McDade**. Measurement of leptin in dried blood spot samples. American Journal of Human Biology. 18: 857-60.
- 2006 Godoy, R., Patela, A., Reyes-García, V., Seyfried, C.F., Leonard, W.R., **McDade, T.W.**, Tanner, S., and V. Vadez. Nutritional status and spousal empowerment among native Amazonians. Social Science and Medicine 63: 1517–1530.
- 2006 Godoy, R., Leonard, W.R., Reyes-Garcia, V., Goodman, E., Huanca, T., Tanner, S., **McDade, T.W.**, and V. Vadez. Physical stature of adult Tsimane’ Amerindians, Bolivian Amazon in the 20<sup>th</sup> century. Economics and Human Biology 4: 184-205.
- 2006 **McDade, T.W.**, Hawkey, L.C. and J.T. Cacioppo. Psychosocial and behavioral predictors of inflammation in middle-age and older adults: The Chicago Health, Aging, and Social Relations Study. Psychosomatic Medicine 68: 376-81.
- 2006 Godoy, R., Reyes-Garcia, V., Huanca, T., Leonard, W.R., **McDade, T.W.**, Tanner, S. and V. Vadez. Why do mothers favor girls and fathers boys? A hypothesis and test of intra-household girl-boy investment disparity. Human Nature. 17: 169-89.
- 2006 Godoy, R., Wilkie, D., Reyes-Garcia, V., Leonard, W.R., Huanca, T., **McDade, T.W.**, Vadez, V., and S. Tanner. Human body mass index as a useful proxy to assess the relation between income and wildlife consumption in poor rural societies. Biodiversity and Conservation 15: 4495-4506
- 2006 Shell-Duncan, B., **McDade, T. W.** The cultural ecology of iron deficiency among northern Kenyan schoolchildren. Journal of Human Ecology. Invited for a special issue entitled "Ecology, Culture, Nutrition, Health and Disease," guest editor Dr. Kaushik Bose.
- 2006 Godoy, R.A., Reyes-Garcia, V., **McDade, T.W.**, Huanca, T. Leonard, W.R., Tanner, S., and V. Vadez. Does village inequality in modern income harm the psyche? Anger, fear, sadness, and alcohol consumption in a pre-industrial society. Social Science and Medicine 63: 359–372.
- 2006 Reyes-García, V., Vadez, V., Tanner, S., **McDade, T.W.**, Huanca, T. and W.R. Leonard. Evaluating indices of traditional ecological knowledge: A methodological contribution. Journal of Ethnobiology and Ethnomedicine 2:21-30.
- 2005 **McDade, T.W.**, Leonard, W.R., Burhop, J., Reyes-García, V., Vadez, V., Huanca, T. and R.A. Godoy. Predictors of C-reactive protein in Tsimane’ 2-15 year-olds in lowland Bolivia. American Journal of Physical Anthropology 128: 906-913.
- 2005 **McDade, T.W.** The ecologies of human immune function. Annual Review of Anthropology 34: 495-521.
- 2005 **McDade, T.W.** Life history, maintenance, and the early origins of immune function. American Journal of Human Biology 17: 81-94.

- 2005 Godoy, R., Reyes-Garcia, R., Huanca, T., Tanner, S., Leonard, W.R., **McDade, T.W.**, and V. Vadez. Do smiles have a face value? Panel evidence from foragers and farmers in the Bolivian Amazon. Journal of Economic Psychology 26: 469-490.
- 2005 Shell-Duncan, B., McDade, T. W. Cultural and environmental barriers to adequate iron intake among Northern Kenyan schoolchildren. Food and Nutrition Bulletin 26: 39-48.
- 2005 McKenna, J.J. and **T.W. McDade**. Why Babies Should Never Sleep Alone: A Review of the Cosleeping Controversy in Relationship to SIDS, Bedsharing and Breast Feeding. Pediatric Respiratory Review 6: 134-152.
- 2004 **McDade, T.W.** and C. W. Kuzawa. Fetal programming of immune function: The early origins of immunity in Filipino adolescents. In Fetal nutrition and adult disease: Programming of chronic disease through fetal exposure to undernutrition, S.C. Langley-Evans (ed.), pp. 311-332.
- 2004 **McDade, T.W.**, Burhop, J., and J. Dohnal. High sensitivity enzyme immunoassay for C-reactive protein in dried blood spots. Clinical Chemistry 50: 652-654.
- 2004 **McDade, T.W.**, Kuzawa, C., Adair, L.S., and M. Beck. Prenatal and early postnatal environments are significant predictors of IgE concentration in Filipino adolescents. Clinical and Experimental Allergy 34: 44-50.
- 2004 **McDade, T.W.** and C.M. Worthman. Socialization ambiguity in Samoan adolescents: A new model for research in human development and stress in the context of culture change. Journal of Research in Adolescence 14: 49-72.
- 2004 Shell-Duncan, B. and **T.W. McDade**. Use of combined measures from capillary blood to assess iron deficiency in rural Kenyan children. Journal of Nutrition 134: 384-387.
- 2003 **McDade, T.W.** Life history theory and the immune system: Steps toward a human ecological immunology. Yearbook of Physical Anthropology 46: 100-125.
- 2003 **McDade, T.W.** Life event stress and immune function in Samoan adolescents: Toward a cross-cultural psychoneuroimmunology. In Social and Cultural Lives of Immune Systems: Contextualizing Psychoneuroimmunology, Embodying the Social Sciences, J. Wilce (ed.). New York: Routledge, pp. 170-188.
- 2002 **McDade, T.W.** and B. Shell-Duncan. Whole blood collected on filter paper provides a minimally-invasive method for assessing human transferrin receptor. Journal of Nutrition 132: 3760-3763.
- 2002 **McDade, T.W.** Status incongruity in Samoan youth: A biocultural analysis of culture change, stress, and immune function. Medical Anthropology Quarterly 16: 123-150.
- 2001 **McDade, T.W.** Lifestyle incongruity, social integration, and immune function in Samoan adolescents. Social Science and Medicine 53: 1351-1362.
- 2001 **McDade, T.W.**, Beck, M.A., Kuzawa, C. and L.S. Adair. Prenatal undernutrition, postnatal environments, and antibody response to vaccination in adolescence. American Journal of Clinical Nutrition 74: 543-548.
- 2001 **McDade, T.W.**, Beck, M.A., Kuzawa, C. and L.S. Adair. Prenatal undernutrition and postnatal growth are associated with adolescent thymic function. Journal of Nutrition 131: 1225-1235.

- 2001 **McDade, T.W.** and L.S. Adair. Defining the “urban” in urbanization and health: A factor analysis approach. *Social Science and Medicine* 53: 55-70.
- 2001 **McDade, T.W.** Parent-offspring conflict and the cultural ecology of breastfeeding. *Human Nature* 12: 9-25.
- 2000 **McDade, T.W.**, Stallings, J.F., Angold, A., Costello, E.J., Burlison, M., Cacioppo, J.T., Glaser, R. and C.M. Worthman. Epstein-Barr virus antibodies in whole blood spots: A minimally-invasive method for assessing an aspect of cell-mediated immunity. *Psychosomatic Medicine* 62: 560-568.
- 2000 **McDade, T.W.**, Stallings, J.F. and C.M. Worthman. Culture change and stress in Western Samoan youth: Methodological issues in the cross-cultural study of stress and immune function. *American Journal of Human Biology* 12: 792-802.
- 1999 **McDade, T.W.** and C.M. Worthman. Evolutionary process and the ecology of human immune function. *American Journal of Human Biology* 11: 705-717.
- 1999 **McDade, T.W.** Book review: *Rickettsial Infection and Immunity*, Anderson, B., Friedman, H. and Bendinelli, M. (eds.). *Quarterly Review of Biology* 74(1): 77-78.
- 1998 **McDade, T.W.** and C.M. Worthman. The weanling’s dilemma reconsidered: A biocultural analysis of breastfeeding ecology. *Journal of Developmental and Behavioral Pediatrics* 19: 286-299.
- 1998 Barrett, R.L., Kuzawa, C., **McDade, T.W.** and G.J. Armelagos. Emerging and re-emerging infectious diseases: The third epidemiologic transition. *Annual Review of Anthropology* 27: 247-271.
- 1997 **McDade, T.W.** and P.J. Brown. Epidemics. In *The Blackwell Dictionary of Anthropology*, Barfield, T.J. (ed). Oxford: Blackwell.
- 1996 **McDade, T.W.** Prostates and profits: The social construction of benign prostatic hyperplasia in American men. *Medical Anthropology* 17: 1-22.

### Published abstracts

- 2008 **McDade, T.W.** Fat, pathogens, and C-reactive protein: A comparative, life history perspective on the developmental ecology of inflammation. *American Journal of Human Biology* 20.
- 2007 Aiello, M.O., Leonard, W.R., **McDade, T.W.**, Godoy, R., Reyes-Garcia, V. and T. Huanca. Seasonal variation in CRP levels and other measures of health status in school and Tsimane’ children. *American Journal of Human Biology* 19: 246-7.
- 2007 Miller, A.A., Leonard, W.R., **McDade, T.W.**, Godoy, R., Reyes-Garcia, V., Huanca, T., and L. Witt. Seasonal variation in leptin levels among the Tsimane’ of lowland Bolivia. *American Journal of Human Biology* 19: 267.
- 2007 Sharrock, K.C.B., Kuzawa, **McDade, T.W.**, Leonard, W.R., Tanner, S., Reyes-Garcia, V., Vadez, V., Huanca, T. and R. Godoy. Developmental changes in the relationship between adiposity and leptin in Tsimane’ children and adolescents. *American Journal of Human Biology* 19: 277.

- 2007 Tanner, S., **McDade, T.W.**, Leonard, W.R., Reyes-Garcia, V., Huanca, T., and V. Vadez. Relationship between immunoglobulin E and body composition among the Tsimane' of lowland Bolivia. American Journal of Human Biology 19: 282.
- 2007 Vento, M., Leonard, W.R., **McDade, T.W.**, Godoy, R., Reyes-Garcia, V., Huanca, T., and L. Witt. Influence of lifestyle change and disease load on CRP levels among Tsimane' adults of lowland Bolivia. American Journal of Human Biology 19: 285-6.
- 2006 Witt, W.P., Pickard, S., Kuzel, T., **McDade, T.W.**, Perry, S., Hung, S., Zagory, J., Lin, H., Costello, S., Colella, K. and C.L. Bennett. Relationship between biological and self-reported measures of stress among informal caregivers of patients with prostate cancer. Journal of Clinical Oncology 24: 18506.
- 2006 Aiello, M.O., Leonard, W.R., **McDade, T.W.**, Godoy, R.A., Reyes-Garcia, V., Vadez, V. and T. Huanca. Variation in subjective and objective measures of health among Tsimane' Amerindians: A longitudinal study of school aged children. American Journal of Human Biology 18: 251.
- 2006 Quinn, E.A., Kuzawa, C.W., **McDade, T.W.**, and L.S. Adair. Effects of infant feeding method at two and four months of life on male and female adolescent leptin concentrations. American Journal of Human Biology 18: 268.
- 2006 Sharrock, K., **McDade, T.W.**, Leonard, W.R., Tanner, S., Reyes-Garcia, V., Vadez, V. and T. Huanca. Leptin, nutritional status, and child growth among the Tsimane' of lowland Bolivia. American Journal of Human Biology 18: 273.
- 2006 Tanner, S., Leonard, W.R., **McDade, T.W.**, Reyes-Garcia, V., Huanca, T., and V. Vadez. Intestinal helminth infections and anthropometric status among Tsimane' adults in Bolivia. American Journal of Human Biology 18: 276-7.
- 2006 **McDade, T.W.**, Reyes-Garcia, V., Leonard, W.R., Tanner, S., Nyberg, C., Vadez, V., Godoy, R.A., and T. Huanca. Ethnoecological knowledge and child health in lowland Bolivia. American Journal of Physical Anthropology Suppl 42: 128.
- 2006 Snodgrass, J.J., Williams, S.R., and **T.W. McDade**. Measurement of human pituitary hormones in dried blood spots by multiplex immunoassay. American Journal of Physical Anthropology Suppl 42: 168.
- 2006 Tanner, S., Huanca, T., Reyes-Garcia, V., Vadez, V., Leonard, W.R., and T.W. **McDade, T.W.** Culture change and helminthiasis among the Tsimane' of lowland Bolivia. American Journal of Physical Anthropology Suppl 42: 174.
- 2005 **T.W. McDade**, W.R. Leonard, V. Reyes-Garcia, V. Vadez, and T. Huanca. Maintenance vs. growth: Modeling the costs of immune activation for children in lowland Bolivia. American Journal of Human Biology 17: 250.
- 2005 R. Wu, **T.W. McDade**, W.R. Leonard, M. Aiello, K. Lindsay, A. Miller, V. Reyes-Garcia, V. Vadez, R. Godoy, S. Tanner, and T. Huanca. Anemia, iron deficiency, and infection in lowland Bolivia. American Journal of Human Biology 17: 262.
- 2005 K. Hicks, **T.W. McDade**, W.R. Leonard, J. Burhop, V. Reyes-Garcia, V. Vadez, T. Huanca, and R. Godoy. Seasonal variation in C-reactive protein among the Tsimane' of lowland Bolivia. American Journal of Human Biology 17: 243-4.
- 2005 E. Sweet, **T.W. McDade**, K. Liu. Skin color, social status, and blood pressure among African Americans the CARDIA study. American Journal of Human Biology 17: 257-8.

- 2004 **McDade, T.W.** Human ecological immunology: Challenges and opportunities. Presentation in invited session: "Human Ecological Immunology: Models and Methods for Future Research." American Journal of Physical Anthropology Suppl 38: 145.
- 2004 **McDade, T.W.** Life history and the developmental ecology of immune function.. Presentation in plenary session: "The Fetal Origins of Developmental Plasticity: Life History, Adaptation, and Disease." American Journal of Human Biology 16: 234.
- 2004 Hicks, K., Vitzthum, V.J., Leonard, W.R., Burhop, J., Aroaz, M., Barragan, L., Reyes-Garcia, V., Vadez, V., Huanca, T., Godoy, R., and **T.W. McDade**. A comparison of C-reactive protein levels in adolescents from lowland and highland Bolivia. American Journal of Human Biology 16:208.
- 2004 Tanner, S., Reyes-Garcia, V., Vadez, V., Huanca, T., Leonard, W.R., **McDade, T.W.**, Godoy, R., Aiello, M.O., and K. Hicks. Anthropometrics and gastrointestinal parasitic infections among the Tsimane' of Bolivia. American Journal of Human Biology 16: 227.
- 2003 **McDade, T.W.**, Leonard, W.R., Burhop, J., Reyes-Garcia, V., Vadez, V., Huanca, T. and R.A. Godoy. Acculturation, C-reactive protein, and child growth in lowland Bolivia. American Journal of Human Biology 15: 273-4.
- 2003 Lindsay, K.M., Miller, A., Aiello, M.O., Leonard, W.R., **McDade, T.W.**, Godoy, R.A., Reyes-Garcia, V., Vadez, V., and T. Huanca. Variation in hemoglobin levels and rates of anemia among the Tsimane of lowland Bolivia. American Journal of Human Biology 15: 271.
- 2002 **McDade, T.W.** Minimally-invasive methods for assessing stress and immune function. Presentation at the invited workshop: "Measuring Stress." American Journal of Human Biology 14: 121.
- 2002 Shell-Duncan, B. and **T.W. McDade**. Evaluation of low dietary iron as a nutritional adaptation to infectious disease. American Journal of Physical Anthropology Suppl 34: 140.
- 2001 **McDade, T.W.** and B. Shell-Duncan. Ecology of iron deficiency and immune function in northern Kenya. American Journal of Physical Anthropology Suppl 32: 106.
- 2001 **McDade, T.W.**, Beck, M.A., Kuzawa, C.W., and L.S. Adair. Long term effects of prenatal and early postnatal experience on adolescent immune function. American Journal of Human Biology 13: 132.
- 2000 **McDade, T.W.** and C.M. Worthman. Lifestyle incongruity, social integration, and immune function in Western Samoan adolescents. American Journal of Human Biology 12: 279.
- 2000 **McDade, T.W.**, Adair, L.S. and M.A. Beck. Long-term effects of early growth restriction on immune function in Filipino adolescents. FASEB Journal 14(4): A792.
- 1999 **McDade, T.W.**, Stallings, J.F. and C.M. Worthman. Culture change and stress in Western Samoan youth: Methodological issues in the cross-cultural study of stress and immune function. American Journal of Human Biology 11: 123.

- 1998 **McDade, T.W.**, Shell-Duncan, B., Worthman, C.M. and J.F. Stallings. Methodological and conceptual issues in field studies of cell-mediated immune function. American Journal of Human Biology 10: 131.
- 1997 **McDade, T.W.** Evolutionary process and the ecology of human immune function. American Journal of Human Biology 9: 138.
- 1997 **McDade, T.W.**, Stallings, J.F., and C.M. Worthman. Psychosocial stress and cell-mediated immune function: Validation of a blood spot method for Epstein-Barr virus antibodies. American Journal of Physical Anthropology Suppl 24: 164-165.
- 1996 **McDade, T.W.**, Worthman, C.M., Rilling, J.K., Stallings, J.F., and A. Angold. Stress, gender, depression and immune function in American adolescents. American Journal of Physical Anthropology Suppl 22: 162.
- 1996 Worthman, C.M. and **T.W. McDade**. Anthropology meets immunology: A developmental-adaptationist model of immunocompetence. American Journal of Physical Anthropology Suppl 22: 247-248.
- 1995 **McDade, T.W.**, Angold, A., Costello, E.J., Stallings, J.F., and C.M. Worthman. Physiologic bases of individual variation in pubertal timing and progression: A report from the Great Smoky Mountain Study. American Journal of Physical Anthropology Suppl 20: 148.

### Other Presentations

- 2008 **McDade, T.W.**, 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.
- 2007 **McDade, T.W.** Is globalization bad for your health? Or, confessions of a mostly clueless premed bio major. Invited speaker, "Evening with Weinberg." September 24, Northwestern University.
- 2007 **McDade, T.W.** Linking culture, biology, and health: Ethnobotanical knowledge and child health in the Bolivian Amazon. Invited speaker, "Chicago Workshop on Biomarker Collection in Population-based Health Research." University of Chicago, June 14.
- 2007 **McDade, T.W.** Lessons from Amazonia: Is globalization bad for your health? Invited speaker, Wilson Society, Northwestern University, June 4.
- 2007 **McDade, T.W.** Why biocultural anthropology matters: Models and methods for integrative health research. Department of Anthropology colloquia series, Northwestern University, April 30.
- 2007 **McDade, T.W.** From Amazonia to America: A community-based approach to research on the predictors of inflammation. Invited speaker, Endocrinology Seminars, Feinberg School of Medicine, Northwestern University, April 26.
- 2007 **McDade, T.W.** Linking culture, biology, and health: An integrative anthropological approach to research on child health. Invited speaker, Division of Nutrition Sciences, Cornell University, January 29.

- 2007 **McDade, T.W.** Is globalization bad for your health? Linking culture and biology in the Bolivian Amazon. Invited speaker, Center for International and Comparative Studies, Northwestern University, January 26.
- 2006 Sweet, E. and **T.W. McDade**. Culture, stress, and health: A multi-method examination of everyday lives of urban African American youth. Invited speaker, Institute for Policy Research, Northwestern University, November 20.
- 2006 **McDade, T.W.** Linking culture, stress, and biology: An integrative approach to health disparities research. Invited speaker, Department of Biobehavioral Health, Penn State University, November 13.
- 2006 **McDade, T.W.** Stratification, stress, and health: Lessons from Samoa for research on health disparities in the U.S. Invited speaker, Population Studies and Training Center, Brown University, October 26.
- 2006 **McDade, T.W.** Dried blood spots as a minimally-invasive method for integrating physiological measures into community-based research. Invited speaker, Seminar in Laboratory Medicine, University of Washington Medical Center, October 19.
- 2006 **McDade, T.W.** Ethnobotanical knowledge and child health in lowland Bolivia. Invited speaker, Interdisciplinary Committee in Evolutionary Processes, Northwestern University, October 12.
- 2006 Cacioppo, J.T., Hawkey, L.C., Masi, C.M., Berry, J.D., **McDade, T.W.** and E. Adam. Physiological Functioning in a Population Based Sample of Older Adult. Podium presentation, *Society for Psychophysiological Research*, Washington, D.C., October 26.
- 2006 Godoy, R., **McDade, T.W.**, and L. Goodman. Health, income inequality, and social capital in a pre-industrial society. Invited presentation, Department of Society, Human Development, and Health, Harvard University School of Public Health, May 16, 2006.
- 2006 Sweet, E. and **T.W. McDade**. Health Disparities, Socioeconomic Status, and the Social Significance of Skin Color. Annual meeting of the *Society for Medical Anthropology*, Vancouver, B.C., March.
- 2006 **McDade, T.W.** Invited participant: "Advances in collecting and utilizing biological indicators and genetic information in the study of aging," Committee on Population, National Academy of Sciences, Washington, DC, June 2.
- 2006 **McDade, T.W.** Beyond the gradient: An integrative anthropological perspective on social stratification, stress, and health. Invited presenter, Wenner-Gren Foundation sponsored conference "Health, risk, and adversity: A new synthesis from biological anthropology," Durham, UK, April 8-10.
- 2006 **McDade, T.W.**, Williams, S.R. and J.J. Snodgrass. What a drop can Do: Expanding options for the analysis of blood-based biomarkers in population-level health research. Presentation in podium session "Collection and methods for analysis of biomarker data for demographic studies," annual meeting of the *Population Association of America*, Los Angeles, CA, March 31.
- 2006 Williams, S.R., Lindau, S. and **T.W. McDade**. Evaluation of dried blood spots collected by non-medically trained interviewers: Number, size and quality of spots. Presentation in podium session "Collection and methods for analysis of biomarker data

- for demographic studies,” annual meeting of the *Population Association of America*, Los Angeles, CA, March 31.
- 2006 **McDade, T.W.** Beyond the Gradient: An Interdisciplinary Perspective on Social Status, Stress, and Health. Invited speaker, Population Research Center, University of Texas Austin, Feb. 10.
- 2005 Quinn, E.A., **McDade, T.W.**, Kuzawa, C.W. and L.S. Adair. The weanling’s dilemma: life history trade-offs and infant feeding decisions in the Philippines. Invited session “Applied behavioral ecology of young child feeding,” annual meeting of the *American Anthropological Association*, Washington DC, December 2.
- 2005 Kuzawa, C.W. and **T.W. McDade**. Early environments and adolescent health in the Philippines: developmental influences on inflammation. Invited session “Policy Implications of Biosocial Research on Child Development,” annual meeting of the *American Anthropological Association*, Washington, D.C., December 1.
- 2005 Quinn, E.A., Kuzawa, C.W., **McDade, T.W.**, and L.S. Adair. Association between mode of infant feeding and leptin concentrations in adolescent Filipinos. *International Congress for the Developmental Origins of Health and Disease*, Toronto, ON, November 16.
- 2005 Adair, L.S., **McDade, T.W.** and C.W. Kuzawa. Growth patterns of adolescent risk groups defined by lipid profiles, insulin resistance and blood pressure. *International Congress for the Developmental Origins of Health and Disease*, Toronto, ON, November 17.
- 2005 **McDade, T.W.** Culture, social status, and physiology: An integrative approach to health disparities research. Co-organizer and speaker, introductory conference for *Cells to Society: Center on Social Disparities and Health*, Northwestern University, June 6.
- 2005 **McDade, T.W.** Developing an interdisciplinary framework for research on social disparities, stress, and health. Invited speaker, ENH Research Institute, Northwestern University, April 20.
- 2005 **McDade, T.W.** Models and methods for interdisciplinary research on social status, stress, and health. Invited speaker, Population Studies Center, University of Pennsylvania, April 18.
- 2005 **McDade, T.W.** Coming to consensus: Anthropological methods for integrating culture into health research. Invited speaker, NIH Community and Child Health Network, Los Angeles, CA, January 21.
- 2004 **McDade, T.W.** Coming of Age: Interdisciplinary research on social status, stress, and health. Invited speaker, Center for Social Epidemiology and Population Health, University of Michigan, Ann Arbor, MI.
- 2004 **McDade, T.W.** Invited participant: Mellon Biomarker Network meeting, Los Angeles, June 16-17.
- 2004 **McDade, T.W.** New developments in blood spot methods for population research. Invited speaker, “Chicago Workshop on Biomarker Collection in Population-based Health Research.” Gleacher Center, Chicago, IL, June 10.

- 2004 **McDade, T.W.** Invited participant: “Cells and Surveys: Should Biological Measures Be Included in Social Science Research?” Committee on Population, National Academy of Sciences, Washington, DC, February 7.
- 2004 **McDade, T.W.** Stress and immune function in the context of culture: Lessons from Samoa. Speaker and co-organizer, Domain Dinner, “Social relations, stress, biology, and health,” Northwestern University, January 19.
- 2003 **McDade, T.W.** Beyond the gradient: Models and methods for research in social status, stress, and health. Invited speaker, California Center for Population Research, UCLA, November 12.
- 2003 **McDade, T.W.** Social status, stress and health: Beyond the gradient approach. Invited speaker, Institute for Policy Research, Northwestern University, November 3.
- 2003 **McDade, T.W.** Beyond the gradient: Models and methods for research in social status, stress, and health. Invited speaker, Department of Preventive Medicine, Feinberg School of Medicine, Northwestern University, October 20.
- 2003 **McDade, T.W.** Human development and stress in the context of culture: Lessons from Samoa. Invited speaker for the seminar series in “Culture, Health, and Human Development,” University of Connecticut, March 11.
- 2003 **McDade, T.W.** A biocultural anthropologist comes of age in Samoa: Models and methods for integrative research. Distinguished speaker at the symposium “Building Biocultural Anthropology,” Emory University, March 8.
- 2003 **McDade, T.W.** and B. Shell-Duncan. An improved method for assessing transferrin receptor in whole blood spots. International Nutritional Anemia Consultative Group, Marrakech, February 6.
- 2003 Shell-Duncan, B. and **T.W. McDade**. Use of capillary blood to assess iron status in rural Kenya: combined measures of TfR, ZPP:H, Hb, and CRP. International Nutritional Anemia Consultative Group, Marrakech, February 6.
- 2002 **McDade, T.W.** Status incongruity, stress, and immune function in Samoa: Models and methods for research on human development in the context of culture. Invited speaker, Institute for Policy Research, Northwestern University, November 25.
- 2002 **McDade, T.W.** Human development and stress in the context of culture: Lessons from Samoa. Invited session “Anthropology and human development: Visions of the future,” annual meeting of the *American Anthropological Association*, New Orleans, LA, November 20.
- 2002 Sorensen, M.V., **McDade, T.W.**, Snodgrass, J.J., Tarskaya, L.A. and Shadrina, O.V. Stress induced immunosuppression and self-rated health in an indigenous Siberian population. Annual meeting of the *International Society for Quality of Life Research*, Orlando, FL, October 30.
- 2002 **McDade, T.W.** Socialization ambiguity in Samoan youth: New models and methods for cross-cultural research in human development and stress. Invited session “Research methods in medical anthropology: Old problems and new solutions,” *Society for Medical Anthropology*, Atlanta, GA, March 7.
- 2001 **McDade, T.W.** Culture change, stress and immune function in Samoan youth: Steps toward a cross-cultural psychoneuroimmunology. Invited speaker, *Culture, Life*

- Course, and Mental Health Workshop*, Committee on Human Development, University of Chicago, October 16.
- 2001 Shell-Duncan, B. and **T.W. McDade**. The cultural ecology of iron intake in northern Kenya: Exploring dietary modification as a sustainable approach to preventing iron deficiency. *International Nutritional Anemia Consultative Group*, Hanoi, Vietnam, February 15.
- 2001 **McDade, T.W.** Socialization ambiguity, stress, and immune function in Samoan adolescents. Biennial meeting of the *Society for Research in Child Development*, Minneapolis, MN, April 19.
- 2000 **McDade, T.W.** Status incongruity in Samoan youth: A biocultural ethnography of culture change, stress, and immune function. Invited session “Biocultural contributions to health research: Future directions for method and theory,” annual meeting of the *American Anthropological Association*, San Francisco, CA, November 18.
- 1999 Adair, L.S., Beck, M., and **T.W. McDade**. Effects of early growth restriction on immune status of Filipino adolescents. *Institute of Nutrition Research Symposium*, Chapel Hill, October 8.
- 1999 **McDade, T.W.** Defining the “urban” in urbanization and health. *Human Growth Workshop*, Emory University, October 11.
- 1999 **McDade, T.W.** Anthropology and immunology: Models and methods for integrated research in international health. *Interdisciplinary Scientific Research Seminar Series*, Emory University, October 4.
- 1999 **McDade, T.W.** Evolutionary ecology of breastfeeding and the weanling’s dilemma. Invited session “The Food of Love, the Love of Food: New Directions in the Study of Food and Fitness,” annual meeting of the *Human Behavior and Evolution Society*, Salt Lake City, June 4.
- 1999 **McDade, T.W.** Suicide in the South Pacific: Culture change and stress in Western Samoan youth. Working group meeting of the *Center for Developmental Epidemiology*, March 18.
- 1997 Worthman, C.M. and **T.W. McDade**. Person x environment dynamics in the development of immunocompetence: How the body thinks to learn. Invited session “Social and cultural lives of immune systems,” annual meeting of the *American Anthropological Association*, Washington, D.C., November 23.
- 1995 Worthman, C.M., **McDade, T.W.**, and Stallings, J.F. The weanling’s dilemma reconsidered: A biocultural analysis of breastfeeding ecology. Invited session “Breastfeeding: Biocultural perspectives,” annual meeting of the *American Anthropological Association*, Washington, D.C., November 15.
- 1994 **McDade, T.W.** Benign prostatic hyperplasia: A consequence of aging and American health care. Annual meeting of the *Southern Anthropological Association*, April 28.

### Organized conferences and sessions

- 2007 Director (co-directors E. Adam and C. Kuzawa, Northwestern University)

- “Summer Biomarker Institute” Three-day hands-on workshop on minimally invasive methods for integrating biomarkers into community-based research, sponsored by Cells to Society (C2S): The Center on Social Disparities and Health at the Institute for Policy Research, Northwestern University, June 18-20.
- 2007 Organizer (co-organizer A. Fuentes, Notre Dame University)  
“Advancing biocultural perspectives in physical anthropology.” Sponsored by the Physical Anthropology program, National Science Foundation, Feb. 19-20.
- 2006 Director (co-directors E. Adam and C. Kuzawa, Northwestern University)  
“Summer Biomarker Institute.” Three-day hands-on workshop on minimally invasive methods for integrating biomarkers into community-based research, sponsored by Cells to Society (C2S): The Center on Social Disparities and Health at the Institute for Policy Research, Northwestern University, June 19-21.
- 2005 Co-organizer (organizer S. Lindau, University of Chicago)  
“Chicago Workshop on Biomarker Collection in Population-Based Research.” Gleacher Center, Chicago, IL, June 9-10.
- 2005 Co-organizer (organizer R. Godoy, Brandeis University)  
“Summer field training in methods of data collection, funded by the Cultural Anthropology program, National Science Foundation, June 6-July 16.
- 2004 Organizer, “Human Ecological Immunology: Models and Methods for Future Research.” Invited session at the annual meeting of the American Association of Physical Anthropologists, April 13.

### Consultancies

- 2006-present “Moving to Opportunity Demonstration Project” (U.S. Department of Housing and Urban Development)
- 2006-present “Los Angeles Family and Neighborhood Study (LA FANS)”
- 2006 “Explaining Family Change” (NICHD Working Group; N01-HD-3-3354)
- 2005-present “Health and Retirement Study” (PI: R. Willis, University of Michigan; U01 AG09740)
- 2004-present “National Longitudinal Study of Adolescent Health Wave IV: Data collection core” (PI: K. Mullan-Harris, UNC Chapel-Hill; submitted 2/04)
- 2003-present “National Social Life, Health, and Aging Project” (PI: L. Waite, University of Chicago; R01 AG021487)
- 2003-present “Health and economic productivity in rural Paraguay” (PI: A.M. Hurtado, University of New Mexico; R01 TW005627)
- 2001-present “Social isolation, loneliness, health, and the aging process” (PI: John Cacioppo, University of Chicago; PO1 AG18911)

### Media coverage

- 2007 “Indigenous plant knowledge and child health“ (A. Luck-Baker, producer). BBC World Service, Science in Action weekly radio program, April 6.
- 2006 “Stress and health—Is there a link?” (P. Jones). Chicago Tribune, October 10.
- 2005 “Grandma’s behavior while pregnant affects her grandkid’s health” (S. Begley). Wall Street Journal, May 13.

### **Program Development**

- 2004-05 Cells to Society (C2S): The Center on Social Disparities and Health, executive committee member (center launched June 2005)
- 2004-05 Interdisciplinary Program in Evolutionary Processes/Minor in the Study of Evolutionary Processes, planning committee member (program approved 2005)
- 2003-04 Minor in Global Health Studies, planning committee member (program approved 2004)
- 2003-04 Joint PhD/MPH degree in Medical Anthropology, planning committee member (degree approved 2004)
- 2000-01 Human Biology Concentration, planning committee member (concentration approved 2001)

### **Peer review activities**

NICHD Population Research Infrastructure Program Scientific Review Group (ZHD1 DSR-H (02)), April 12-13, 2007

NICHD Initial Review Group, Biobehavioral and Behavioral Sciences Subcommittee July 10-11, 2006

Review panel, Dissertation Improvement Grants, National Science Foundation Physical Anthropology Program (Spring 2004, Fall 2004, Spring 2005, Fall 2005)

Ad Hoc reviewer (past 2 years):

National Science Foundation programs in Physical Anthropology and Cultural Anthropology  
Oxford University Press; University of California Press

American Anthropologist; American Journal of Human Biology; Quarterly Review of Biology; Human Nature; Medical Anthropology; Medical Anthropology Quarterly; European Journal of Clinical Nutrition; Public Health Nutrition; Social Science and Medicine; Current Anthropology; Ethos; Medical Science Monitor; Clinical and Experimental Allergy; American Journal of Physical Anthropology; Annals of Human Biology (5/07); International Journal of Epidemiology (5/07); Psychosomatic Medicine (10/07); Journal of Health and Place (7/2007)

### **Professional Service**

Editorial Board, American Journal of Human Biology (2007-present)

Editorial Board, Annals of Human Biology (2008-present)

Executive Committee, Human Biology Association (2008-present)

Nominations Committee, American Association of Physical Anthropologists (2007-present)

Membership Committee, American Association of Physical Anthropologists (2004-7)

Program Committee, Human Biology Association (2003 annual meeting)

Student Prize Committee, American Association of Physical Anthropologists (2006 annual meeting)

Program Committee, Population Association of America (2007, 2008 annual meetings)

Program Committee, American Association of Physical Anthropologists (2007, 2008 annual meetings)

### **Professional Memberships**

American Anthropological Association

General Anthropology Division

Biological Anthropology Section

Society for Medical Anthropology

American Association for the Advancement of Science

American Association of Physical Anthropology

Human Biology Association

Population Association of America

*14 December 2008*