

CURRICULUM VITAE

DANIEL C. BENYSHEK

Office Address:

University of Nevada Las Vegas
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EDUCATION

- 2001 Ph.D., Arizona State University, Tempe, AZ, Medical Anthropology.
Dissertation Title: The Political Ecology of Diabetes among the Havasupai Indians of Northern Arizona
- 1989 B.A., University of Colorado, Denver, Colorado, Anthropology.

ACADEMIC EMPLOYMENT

- 2008 - **Associate Professor**, Department of Anthropology and Ethnic Studies, University of Nevada Las Vegas.
present
- 2001 - **Assistant Professor**, Department of Anthropology and Ethnic Studies, University of Nevada Las Vegas.
2008
- 1994 - **Instructor**, Department of Anthropology, Arizona State University, Departments of Social Sciences, Maricopa County and Coconino Community Colleges.
2000
- 1990-7 **Teaching Assistant**, Department of Anthropology, Arizona State University. Courses: Introduction to Cultural and Social Anthropology, Indians of the Southwest, Principles of Social Anthropology, Death and Dying in a Cross-Cultural Perspective, Shamanism, Healing and Altered States of Consciousness.
- 1995-7 **Undergraduate Academic Advisor**, Department of Anthropology, Arizona State University. Duties: Academic student advisement for anthropology majors and minors; career counseling.

PUBLICATIONSPEER REVIEWED JOURNAL ARTICLES:

- 2008 **Daniel C. Benyshek**, Carol S. Johnston, John F. Martin, and William D. Ross, "Insulin sensitivity is normalized in the third generation (F3) offspring of developmentally programmed insulin resistant (F2) rats fed an energy-restricted diet" *Nutrition and Metabolism* 5:26
- 2007 **Daniel C. Benyshek**, "The Developmental Origins of Obesity and Related Health Disorders: Prenatal and Perinatal Factors" *Collegium Antropologicum* 31(1):11-17.
- 2006 **Daniel C. Benyshek** and James T. Watson, "Exploring the Thrifty Genotype's Food Shortage Assumptions: A Cross-Cultural Comparison of Ethnographic Accounts of Food Security among Foraging and Agricultural Societies" *American Journal of Physical Anthropology* 131(1): 120-126.
- 2006 **Daniel C. Benyshek**, Carol S. Johnston and John F. Martin, "Glucose metabolism is altered in the adequately-nourished grand-offspring (F3 generation) of rats malnourished during gestation and perinatal life" *Diabetologia* 49(5):1117-1119.
- 2005 **Daniel C. Benyshek**, "Type 2 Diabetes and Fetal Origins: The Promise of Prevention Programs Focusing on Prenatal Health in High Prevalence Native American Communities" *Human Organization* 64(2):192-200.
- 2004 **Daniel C. Benyshek**, Carol S. Johnston and John F. Martin, "Post-Natal Diet Determines Insulin Resistance in Fetally Malnourished, Low Birthweight Rats (F1) but Diet does not Modify the Insulin Resistance of their Offspring (F2)" *Life Sciences* 74:3033-3041.
- 2003 **Daniel C. Benyshek**, "The Nutritional History of the Havasupai Indians of Northern Arizona: Dietary Change and Inadequacy in the Reservation Era and Possible Implications for Current Health" *Nutritional Anthropology* 26(1-2):1-10.
- 2001 **Daniel C. Benyshek**, John F. Martin and Carol S. Johnston, "A Reconsideration of the Origins of the Type 2 Diabetes Epidemic among Native Americans and the Implications for Intervention Policy" *Medical Anthropology* 20(1):25-63.
- 2000 John F. Martin, Carol S. Johnston, Chung-Ting Han, and **Daniel C. Benyshek**, "Nutritional Origins of Insulin Resistance: A Rat Model for Diabetes-Prone Human Populations" *Journal of Nutrition* 130:741-44.
- 1997 L.A. Vaughan, **D.C. Benyshek** and J.F. Martin, "Food Acquisition Habits, Nutrient Intakes, and Anthropometric Data of Havasupai Adults." *The Journal of the American Dietetic Association* 97(11): 1275-1282.

PEER REVIEWED ABSTRACTS:

- 2007 **Daniel C. Benyshek**, “The effects of variation in maternal and postweaning diet on the intergenerational transmission of developmentally programmed insulin resistance over five generations in a rat model” *Early Human Development* **83(Suppl 1):S44**

PEER REVIEWED ABSTRACTS, CONTINUED:

- 2007 **Daniel C. Benyshek**, “The ‘normalization’ of intergenerationally transmitted, developmentally programmed traits in experimental animals: implications for adaptive hypotheses” *American Journal of Physical Anthropology* **132 (S44):72-3**
- 2005 **Daniel C. Benyshek**, “Two case-study challenges to the thrifty genotype hypothesis: an argument for expanding our etiological models of diabetes prone populations” *American Journal of Physical Anthropology* 126 (S40):73.
- 1994 L.A. Vaughan, **D.C. Benyshek** and J.F. Martin, "Food Acquisition and Intake Patterns of Young and Elderly Havasupai Adults." *The Federation of American Societies for Experimental Biology Journal* 8(4):A274.

INVITED BOOK REVIEWS

- 2007 “Developmental Origins of Health and Disease” P Gluckman and M Hanson (eds). xxii + 519 pp. New York, NY: Cambridge University Press. 2006. Reviewed in, *American Journal of Human Biology* 19(3):455-56.

ARTICLES CURRENTLY UNDER REVIEW/IN PREPARATION/

Daniel C. Benyshek, Carol S. Johnston, John F. Martin, and William D. Ross, “High fat diets promote the intergenerational transmission of developmentally-programmed insulin resistance in the rat, but insulin sensitivity is normalized with a pre/post-natal energy restricted diet”. In preparation.

ORGANIZED SYMPOSIA

- 2007 Co-organizer of a NSF-funded, American Association of Physical Anthropologists and Human Biology Association jointly sponsored symposium: “The Adaptable Phenotype and Biological Anthropology: Emerging Trends in the Study of Development, Genetics and Evolution,” 76th Annual meeting of the American Association of Physical Anthropologists, March 28-31, Philadelphia, PA

INVITED PAPERS/ PAPERS PRESENTED AT PROFESSIONAL MEETINGS

- 2007 “The effects of variation in maternal and postweaning diet on the intergenerational transmission of developmentally programmed insulin resistance over five generations in a rat model” Invited presentation, 5th International Congress on Developmental Origins of Health and Disease, November 6-10, Perth, Australia.
- 2007 Chris Kuzawa and **D. Benyshek**, “Introduction: The Adaptable Phenotype and Biological Anthropology: Emerging Trends in the Study of Development, Genetics and Evolution.” Invited presentation, jointly sponsored session of the American Association of Physical Anthropologists and The Human Biology Association., 76th Annual meeting of the American Association of Physical Anthropologists, March 28-31, Philadelphia, PA
- 2007 “The ‘normalization’ of intergenerationally transmitted, developmentally programmed traits in experimental animals: implications for adaptive hypotheses” Invited presentation, jointly sponsored session of the American Association of Physical Anthropologists and The Human Biology Association., 76th Annual meeting of the American Association of Physical Anthropologists, March 28-31, Philadelphia, PA.
- 2006 “Are the future offspring of women migrating away from violence predisposed to health problems?: A ‘developmental programming’ perspective. Society for Medical Anthropology Invited presentation, American Anthropological Association Annual Meeting, November 15-19, San Jose, CA.
- “The Developmental Origins of Obesity and Related Health Disorders: Prenatal and Perinatal Factors” Invited presentation, Wenner-Gren Foundation Symposium: Anthropological Perspectives on Women and the Obesity Pandemic: Causes, Costs and Controls June 11-15, Hvar, Croatia.
- “Fetal Programming and the intergenerational inheritance of a predisposition to the metabolic syndrome” Society for Medical Anthropology 66th Annual Meeting, March 28-April 2, Vancouver, British Columbia, Canada.
- 2005 “Two Case-Study Challenges to the Thrifty Genotype Hypothesis: An Argument for Expanding Our Etiological Models of Diabetes Prone Populations” American Association of Physical Anthropologists 74th Annual Meeting, April 6-9, Milwaukee, WI.
- 2003 “The Type 2 Diabetes ‘Thrifty Genotype Hypothesis’: A Critical Examination.” Invited Presentation, U.S. Centers for Disease Control and Prevention (CDC), Division of Diabetes Translation, Atlanta, GA. October 17, 2003.
- “The Type 2 Diabetes ‘Thrifty Genotype Hypothesis’: A Critical Examination.” Invited Presentation, Emory University, Center for Health, Culture and Society, Atlanta, GA. October 17, 2003.
- 2002 “Type 2 Diabetes and Fetal Origins: The Promise of Prevention Programs Focusing on Prenatal Health in High Prevalence Native American Communities.” Society for Medical Anthropology Invited Session, American Anthropological Association Annual Meeting, November 20-24, New Orleans, LA.

INVITED PAPERS/ PAPERS PRESENTED AT PROFESSIONAL MEETINGS, CONTINUED

- 2000 "Chronic Disease in the Developing World: The Health Related Time Bomb of the Twenty-first Century?" Arizona Medical Anthropology Symposium. October 28, University of Arizona, Tucson, AZ.
- 1998 "The Ideology of NIDDM: Implications for Intervention" Arizona Medical Anthropology Seminar, April 10, Arizona State University. Tempe, AZ.
- 1996 "A New Perspective on Biomedical Approaches to Diabetes Prevention and Control Interventions in Native American Communities: Suggestions for a Social Cost/Benefit Analysis" Society for Applied Anthropology Annual Meeting, March 27-31, Baltimore, MD.
- 1995 "Havasupai Conceptualizations of NIDDM: Indications of Powerlessness." Society for Applied Anthropology Annual Meeting, March 29-April 2, Albuquerque, NM.

GRANTS/AWARDS/SCHOLARSHIPS/ASSISTANTSHIPS

- 2007 UNLV University Travel Fund Committee Grant. \$800.
- 2006 National Science Foundation grant sponsoring an invited symposium at the joint Annual Meetings of the American Association of Physical Anthropologists and the Human Biology Association, Philadelphia, PA, March 2007. \$13,429.
- 2006 UNLV University Travel Fund Committee Grant. \$1,000.
- 2005 Anthropology Department Nominee, Morris Award for Excellence in Teaching, University of Nevada, Las Vegas
- 2004 Anthropology Department Nominee, Morris Award for Excellence in Teaching, University of Nevada, Las Vegas.
- 2004 New Investigator Award, University of Nevada, Las Vegas. \$14,496.
- 1998 Doctoral Research Incentive Funds, Arizona State University. \$1,370.
- 1991-8 Graduate Assistantships, Department of Anthropology, Arizona State University: four half-time (\$10,000 each) five one-third time (\$6,700 each).
- 1997-8 Philip Mason Thompson Award for academic excellence in Socio-Cultural Anthropology, School of Human Evolution and Social Change, Arizona State University

FIELDWORK, LABORATORY WORK AND RESEARCH EXPERIENCE

- 2004 to Present Two year laboratory animal study investigating the nutritional, prenatal origins of diabetes, its subsequent transmission to offspring, and implications for dietary intervention.
- 1998 to Present Contributing in areas of background research, experimental design, analysis of data, and manuscript preparation in a series of interdisciplinary, experimental, and theoretical diabetes research projects. Results published in the journals Medical Anthropology, Journal of Nutrition, Life Sciences, Human Organization, American Journal of Physical Anthropology and Diabetologia.
- 1998-9 Havasupai Indian Reservation, AZ. Worked with the tribe in an effort to document community attitudes about diabetes and assess local resources to combat the disease, as well as assess social, political and economic factors which may be impeding control of weight and blood glucose, especially among pregnant women. Consulted on a multi-year, \$148,000 diabetes prevention/control grant proposal submitted by the Havasupai Tribe and funded (June 1998) by the Indian Health Service (IHS Special Diabetes Program for Indians). Helped organize a tribal diabetes task force to oversee the five-year Indian Health Service grant.
- 1993 Havasupai Indian Reservation, AZ. Worked during the summer months coordinating research with local Havasupai research assistants in order to determine the nutritional habits of reservation adults and the possible effects of those habits on diabetes in the community. Results published in the Journal of the American Dietetic Association and The Federation of American Societies for Experimental Biology Journal.
- 1992 Visited the reservation on a part-time basis working to coordinate efforts in Supai for the A.S.U./Havasupai Diabetes Project, a joint endeavor of Arizona State University and the Havasupai Tribal Council.
- 1991-2 Lived and worked full-time on the Havasupai reservation in connection with the A.S.U./Havasupai Diabetes Project. Efforts included: coordinating and supervising blood draws for diabetes screening program; personally delivering over 350 diabetes blood test results and discussing their contents with tribal member test participants; and working with the tribal elderly lunch program in order to help better meet the needs of diabetic community members.

SERVICE/OUTREACH

Community

Las Vegas Indian Center:

- Member, Health Board Committee (2004)
- Participant/Co-Organizer, First Annual Health and Wellness Fair, March 12, 2005
- Participant/Co-organizer, First Annual 5k Race and Fun Run, November 5, 2005.

Coordinator, Havasupai children's diabetes screening; result consultations, January-February, 2002. Supai, AZ.

SERVICE/OUTREACH, CONTINUEDCommunity

Guest Presenter, Rock Against Diabetes Week, UNLV, October 23, 2008, Las Vegas, NV.
 Volunteer/Presenter/Discussant, Annual Havasupai Health Fair 1998-2002. Supai, AZ.
 Guest Speaker, Southern Nevada Dietetic Association Meeting, May 16, 2002, Las Vegas, NV.
 Judge, Northland Preparatory Academy Annual Science Fair 2000-2001. Flagstaff, AZ.
 Guest Speaker, Northern Arizona District Dietetic Association Meeting, April 22, 1999 Flagstaff, AZ.

Professional

Journal Reviewer: Medical Anthropology 2001, 2002, 2003, 2004
Medical Anthropology Quarterly 2008
Anthropology and Education Quarterly 2003
Human Organization 2003
American Journal of Human Biology 2008
Nutritional Anthropology 2004
American Journal of Public Health 2007, 2004
Proceedings of the Oklahoma Academy of Science 2006

Grant Proposal Reviewer: National Science Foundation 2004, 2007
Centers for Disease Control and Prevention 2005

Book Reviewer: Cambridge University Press, 2007
McGraw-Hill Mayfield Press, 2002, 2007
American Journal of Human Biology, 2006

System

Member, Admissions Committee for the University of Nevada School of Medicine 2007, 2008

University

Faculty presenter: GPSA Skills Workshop, October 29, 2007
 Faculty Panel Participant, UNLV Orientation Program, January 25, 2002.
 Judge, UNLV Annual Graduate Student Research Forum, April 6, 2002; April 5, 2003.
 Faculty Marshal, UNLV Spring Commencement Ceremony, May, 2002; May 2004, December 2004.

College

Member, Faculty Bylaws Committee (2008 to present)

Department

Graduate Coordinator (2007 to present)
 Web-master, Department Web Site (2005 to present)
 Chair, Undergraduate Program Committee (2001 to present)
 Chair, Undergraduate Course Scheduling Committee (2003 to present)
 Chair, Department Brochure Revision Committee (2004 to present)
 Member, Library Committee (2001 to present)

SERVICE/OUTREACH, CONTINUED

Department

Member, Grants and Contracts Committee (2001 to present)
Member, Faculty Search Committee (2003, 2004, 2005)
Guest Speaker, Lambda Alpha Society, 2007.

AREAS OF SPECIALIZATION

Medical anthropology, developmental origins of health and disease, maternal nutrition, placentophagy, political ecology, diabetes / metabolic syndrome, applied anthropology, ethnomedicine, Native North America.

COURSES TAUGHT

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|---------------------------------------|--|
| Introduction to Cultural Anthropology | Peoples and Cultures of Native North America |
| Indians of the Southwest | Indians of Arizona |
| Southwest Anthropology | Cross-cultural Conceptions of Illness and Health |
| Diabetes Physiology | Medical Anthropology |
| Nutritional Anthropology | Method and Theory |

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

The American Anthropological Association
The Society for Medical Anthropology
The Society for Applied Anthropology (Fellow)
Human Biology Association (Elected Officer; Nominations and Elections Committee)
International Society for Developmental Origins of Health and Disease (DOHaD)
The Society for the Anthropology of Food and Nutrition
Evolutionary Anthropology Society

GRADUATE ADVISORY COMMITTEES

PhD Committees, Chaired:

M. Diane Hardgrave (In progress)

PhD Committees, Member:

Claudia Chaufan (PhD, 2005)
(University of California, Santa Cruz)

MA Committees, Chaired:

| | |
|--------------------|---------------|
| Carin Wallace | (MA, 2006) |
| Luz Andrea Pfister | (MA, 2006) |
| Julie Kachinski | (in progress) |
| Sharon Young | (in progress) |
| Celeste Giordano | (in progress) |
| Allison Cantor | (in progress) |
| Jennifer Barangan | (in progress) |

GRADUATE ADVISORY COMMITTEES, CONTINUED

MA Committees, Member:

| | |
|-------------------------|---------------|
| Rebecca Lockwood | (MA, 2008) |
| Ryan Schmidt | (MA, 2007) |
| Roxanne Sanchez | (MA, 2005) |
| Sally Underwood | (MA, 2005) |
| Britt (Hanson) Betenson | (MA, 2005) |
| Michele Marcela Bleuze | (MA, 2005) |
| Summer J. Decker | (MA, 2004) |
| Victoria Fisher | (MA, 2004) |
| Marta Alfonso | (MA, 2002) |
| Danielle Axt | (in progress) |
| Heidi Manlove | (in progress) |