

Daniel Jacob Hruschka
Curriculum Vitae

School of Human Evolution and Social Change
Arizona State University
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Updated 08/09

EDUCATION

Ph.D., Emory University, Anthropology, Atlanta, GA, 2006. Committee: Daniel Sellen (chair), Joseph Henrich, Bradd Shore, Carol Worthman.

M.A., Emory University, Anthropology, Atlanta, GA, 2003. Advisor: Daniel Sellen.

M.P.H., Emory University, Epidemiology, Atlanta, GA, 2003. Advisor: Aryeh D. Stein.

B.A., Harvard College, Mathematics, Cambridge, MA, 1996.

RESEARCH INTERESTS Culture change, global health, maternal and child health, mathematical modeling, the co-evolution of social institutions and behavior, field methods; Bangladesh, Mongolia.

ACADEMIC APPOINTMENTS

Assistant Professor, School of Human Evolution and Social Change, Arizona State University, starting August 2009.

Omidyar Fellow, Santa Fe Institute, 2009-present.

Postdoctoral Research Fellow, Santa Fe Institute 2006-2009

FELLOWSHIPS AND HONORS

National Science Foundation, graduate fellowship, 2003-2004.

Center for the Study of Myth and Ritual in American Life, graduate fellowship, 2002-2003.

National Science Foundation, Institute for Study Design in Anthropology, 2001.

Center for the Study of Health, Culture and Society, graduate fellowship, 1999-2000.

AWARDS

Best New Investigator Paper Award, Evolutionary Anthropology Society, 2007.

E.E. Hunt Student Poster Award, Human Biology Association (with B. Kohrt), 2001.

GRANTS

National Science Foundation, Emory University Subaward (PI: Ron Barrett). Health seeking for influenza among Muslim poultry workers in Western India, 2008-2009. (\$16,715)

Santa Fe Institute Working Group. Models of innovation and propagation in language change, Santa Fe Institute, 2009. (\$14,000)

Santa Fe Institute Workshop. Building integrated models of linguistic change, Santa Fe Institute, 2008. (\$29,000)

National Science Foundation, Dissertation Improvement Grant. Peer and family influences on middle school students' agendas for development, 2002-2003. (\$11,000)

Burke Nicholson Interdisciplinary Forum Fund. Building biocultural anthropology, Emory University, 2003. (\$12,000)

Hubert Grant. Young Mongolian men's cultural models of romantic and sexual relationships, 2000. (\$2,500)

Michael C. Rockefeller Memorial Fellowship. Healthcare decision-making in post-communist Mongolia and the choice to consult traditional healers, 1996-1997. (\$12,000)

WORK EXPERIENCE

Technical Consultant, Center for Research on Maternal and Newborn Survival, Emory University, 2005-present.

Technical Consultant, Laboratory for Comparative Human Biology, Emory University, 2005-2006.

Health Analyst, Behavioral Intervention Branch, Division of HIV/AIDS Prevention, Centers for Disease Control and Prevention, Atlanta, GA, 2001-2003.

Data Analyst, INCAP longitudinal study in Guatemala, Department of International Health, Rollins School of Public Health, Emory University, 2000-2001.

Teaching Assistant, Department of Anthropology, Emory University, 2000-2001.

Instructor, Department of Archeology and Anthropology, Mongolian National University, Ulaanbaatar, Mongolia, 1998.

Associate Editor, Let's Go Travel Guides, Cambridge, MA, 1996.

PUBLICATIONS, PAPERS, AND PRESENTATIONS

Books

Hruschka DJ. *Friendship: Developmental, Ecological and Evolutionary Origins.* Under contract with University of California Press. To be published Fall 2010.

Articles

Hruschka DJ, Christiansen M, Blythe R, Croft W, Heggarty P, Mufwene S, Pierrehumbert J, Poplack S (in press). Building social cognitive models of language change. *Trends in Cognitive Sciences.*

Hruschka DJ (2009). Culture as an explanation in population health. *Annals of Human Biology.* 36:3, 235-247.

Hruschka DJ (2009). Defining cultural competence in context: diversity in friendship norms among U.S. high school students. *Ethos.* 37:2, 205-224.

Kohrt BA, Hadley C, **Hruschka DJ** (2009). Culture and epidemiology special issue: Towards an integrated study of culture and population health. *Annals of Human Biology.* 36:3, 229-234.

Sibley LM, **Hruschka DJ,** Kalim N, Khan J, Paul M, Edmonds JK, Koblinsky MA (2009). Cultural theories of postpartum bleeding Matlab, Bangladesh: implications for community health intervention. *Journal of Health, Population, and Nutrition.* 27:3, 379-390.

Brown RA, **Hruschka DJ,** Worthman CM (2009). Cultural models and fertility timing among Cherokee and white youth in Appalachia: beyond the mode. *American Anthropologist.*

Hruschka DJ & Hadley C (2008). A glossary of culture in epidemiology. *Journal of Epidemiology and Community Health.* 62:11, 947-51.

Hruschka DJ, Sibley LM, Kalim N, & Edmonds JK (2008). When there is more than one answer key: Cultural theories of postpartum hemorrhage in Matlab, Bangladesh. *Field Methods.* 20:4, 315-27.

Sibley LM, Blum LS, Kalim N, **Hruschka DJ,** Edmonds JK, & Koblinsky M (2007). Women's descriptions of postpartum health problems: preliminary findings from Matlab, Bangladesh. *Journal of Midwifery & Women's Health.* 52:4, 351-60.

Hruschka DJ & Henrich J (2006). Friendship, cliquishness, and the emergence of cooperation. *Journal of Theoretical Biology.* 239, 1-15.

Hruschka DJ, Kohrt BA & Worthman CM (2005). Estimating between- and within-individual variation in cortisol levels using multilevel models. *Psychoneuroendocrinology.* 30, 698-714.

Hruschka DJ, Lende D & Worthman CM (2005). Biocultural Dialogues: Biology and Culture in Psychological Anthropology. *Ethos.* 33:1, 1-19.

Hruschka DJ, Schwartz D, Cobb-St. John D, DeCaro E, Jenkins R & Carey JW (2004). Reliability in coding qualitative data: Lessons learned from HIV behavioral research. *Field Methods.* 16:3, 307-31.

Hruschka DJ, Cummings B, Cobb St. John D, Moore J, Khumalo-Sukatukwa G & Carey JW (2004). Open-ended and fixed choice responses: a comparison from HIV research in Zimbabwe. *Field Methods*. 16:2, 184-202.

Sellen DW & **Hruschka DJ** (2004). Extracted food resource defense polygyny in native western North American societies at contact. *Current Anthropology*. 45:5, 707-14.

Kohrt BA, **Hruschka DJ**, Kohrt H, Panabieco N & Tsagaankhuu G (2004). Distribution of distress in post-communist Mongolia: a cultural epidemiology of *yadargaa*. *Social Science and Medicine*. 58:3, 471-85.

Hruschka DJ, Sellen DW, Stein A & Martorell R (2003). Delayed onset of lactation and risk of ending full breastfeeding early in rural Guatemala. *Journal of Nutrition*. 133, 2592-99.

Hruschka DJ. Baria healers in the Eastern Province. *Journal of Mongolian Studies*. Winter 1998-99.

Book Chapters

Hruschka DJ, Schwartz D, Cobb-St. John D, DeCaro E, Jenkins R & Carey JW (2007). Reliability in coding qualitative data: Lessons learned from HIV behavioral research. In: *Content Analysis: Vol. 1*. Ed. R. Franzosi. Sage Publications Ltd. London, UK.

Hruschka DJ & Kohrt BA (2003). Health and Illness in Mongolia. In: *Encyclopedia of Medical Anthropology*. Eds. M. Ember & C. Ember. pp. 850-863. Springer. New York, NY.

Hruschka DJ (2003). Education System: Mongolia. In: *Encyclopedia of Modern Asia*. Eds. Karen Christensen & David Levinson. Berkshire Publishing Group. Great Barrington, MA.

Reviews and Commentaries

Hruschka DJ (2007). Review of "Evolution and Culture: A Fyssen Foundation Symposium." Edited by Stephen C. Levinson & Pierre Jaisson. Cambridge, MIT Press. *American Journal of Human Biology*.

Hruschka DJ (2001). Review of "Nationalism and Hybridity in Mongolia." By E. Bulag (1999). Oxford, Clarendon Press. *Journal of Mongolian Studies*.

Reports

Results of Pilot Study on the Sexual Knowledge, Attitudes, and Behavior of Young Adult Males in Selenge Province, Mongolia (2000). Report submitted to UNICEF, WHO, UNDP, UNFPA and other non-governmental organizations operating in Mongolia.

The Emory Community Speaks (1999). Report co-authored with Dr. Bradd Shore and submitted to the Presidential Committee on Community and Tradition at Emory.

Working Papers

Hruschka DJ (in progress). How does culture affect behavior?

Hruschka DJ (in progress). Comparing models of cultural and linguistic history: a likelihood approach.

Hruschka DJ (in progress). Macronutrient balance and the cultural evolution of human subsistence systems.

Kohrt BA, Hruschka DJ (in progress). Nepali concepts of psychological trauma: the role of idioms of distress and ethnopsychology in alleviating suffering and preventing stigma.

Hruschka DJ (in progress). Tests of a single cultural response using maximum likelihood.

Hruschka DJ, Bhattacharya T, Croft B, Smith DE, Maddieson I, Wilkins J (in progress). Certainty bounds on historical reconstruction in linguistics.

Hruschka DJ, Bhattacharya T, Croft B, Smith DE, Maddieson I, Wilkins J (in progress). Inferring rates of sound change from comparative data.

Hruschka DJ, Bhattacharya T, Croft B, Smith DE, Maddieson I, Wilkins J (in progress). A test of selection against homophony.

Invited Talks

Hruschka DJ. *Culture and Responses to Infectious Diseases*. Paper presented at Latin American Federation of Parasitology, Ascuncion, Paraguay, October 2009.

Hruschka DJ. *Can cultural beliefs account for care-seeking behavior? The case of postpartum hemorrhage in Bangladesh*. RAND Corporation, Santa Monica, CA, February, 2009.

Hruschka DJ. *Can explanatory models explain behavior? The case of postpartum hemorrhage in Bangladesh*. Arizona State University, Tempe, AZ, January 2009.

Hruschka DJ. *Does culture really influence behavior?* School for Advanced (American) Research Colloquium, Santa Fe, NM, January, 2009.

Hruschka DJ. *Network models of sound change*. Workshop on Statistical Inference for Complex Networks, SFI, Santa Fe, NM, December, 2008.

Hruschka DJ. *Modeling culture change: what can we learn from language?* Workshop on the Role of Variation in Cultural Change, SFI & School for Advanced Research, Santa Fe, NM, April, 2008.

Hruschka DJ. *Measuring culture and its impact on health: problems and possibilities*. Presentation at University of Florida, Gainesville, FL, January, 2008.

Hruschka DJ. *Boundary maintenance and the evolution of cooperation*. Evolutionary Modeling Series, Washington State University, Pullman, WA, October, 2007.

Hruschka DJ. *Cliquishness and cooperation in human social life*. SFI, Santa Fe, NM, February, 2006.

Hruschka DJ. *Learning the rules of friendship: the problem of cultural competence in relational context*. Vanderbilt University, Nashville, TN, January, 2006.

Presentations and Proceedings

Hruschka DJ. *The "Culture" Label and its Influence on Health-related Treatment and Policy*. Paper to be presented at American Anthropological Association Meetings. Philadelphia, PA, December 2009.

Hruschka DJ, Sibley L, Day L, Banu H, Rahman N, Kalim N & Moran A. *Challenges of survey development in a multi-site study: lessons learned from a study of prolonged labor and birth asphyxia in Bangladesh*. Paper at Society for Applied Anthropology Meetings. Santa Fe, NM, March, 2009.

Hruschka DJ. *Homicide: are all non-kin alike?* Poster at American Anthropological Association Meetings, San Francisco, CA, November 2008.

Hruschka DJ, Sibley L, Kalim N, Khan J, Paul M, Edmonds J & Koblinsky M. *Local theories of postpartum hemorrhage and their consequences for care-seeking in Matlab, Bangladesh*. Paper at the Society for Applied Anthropology Meetings. Memphis, TN, March, 2008.

Hruschka DJ. *Testing models of linguistic history: a likelihood approach*. Poster at the American Anthropological Association Meetings. Washington D.C. November, 2007.

Hruschka DJ. *Limits on the creation of social capital: A View from U.S. High Schools*. Paper at the International Social Network Analysis Meetings. Corfu, Greece May, 2007.

Hruschka DJ. *Friendships, social barriers, and the search for social goods among U.S. high school students*. Paper at the American Anthropological Association Meetings. San Jose, CA. November, 2006.

Hruschka DJ. *The flexible organization of high school friendships*. Paper at the American Anthropological Association Meetings. Washington DC. December, 2005.

Hruschka DJ. *Seeking to emulate as a factor in making friends*. Paper at the International Social Network Analysis Meetings. Redondo Beach, CA. February, 2005.

Hruschka DJ. *'Friendship', cliquishness and the emergence of cooperation*. Paper at the Evolution and Human Behavior Seminar Series. Emory University. February, 2005.

Hruschka DJ, Kohrt BA, Worthman CM. *Estimating inter-individual variation in human cortisol levels: mixed models applied to data from Nepal, Mongolia, and the U.S.* Paper at the American Association of Physical Anthropologists. Tampa, FL. April, 2004.

Hruschka DJ. *All Work and No Pray...: Young Adolescents Learning to Balance Church, School and Family in a Southeastern U.S. Community*. Paper at the American Anthropological Association Meetings. Chicago, IL. November, 2003.

Cobb D, Hruschka DJ, DeCaro E, Schwartz D, Jenkins R. & Carey JW. *Establishing high inter-coder reliability in qualitative data analysis: Examples from HIV behavioral research*. Paper at Society for Applied Anthropology Meetings. Portland, OR. March, 2003.

Hruschka DJ, Kohrt BA & Worthman CM (2002). Cortisol and Oppositional Defiant Disorder in Mongolian Children. *Proceedings of the 49th annual meetings of the American Academy of Child and Adolescent Psychiatry*. Vol. 18, p. 114.

Hruschka DJ, Loeb L., Khumalo-Sukatukwa G, Moore J & Carey JW. *Open-ended and fixed choice responses: a comparison from HIV research in Zimbabwe*. Paper at the Society for Applied Anthropology Meetings, Atlanta. March, 2002.

Hruschka DJ. *The Stigma of Syphilis in Mongolia and its Public Health Implications*. Paper at the Central Eurasian Studies Conference. Bloomington, Indiana. March, 2001.

Hruschka DJ, Kohrt BA & Tsagaankhuu M. *Yadargaa: symptomological variation of a fatigue disorder in Mongolia*. Poster at Human Biology Association. Kansas City, MO, March, 2001.

Hruschka DJ & Sellen DW. *Socio-ecological Correlates of Marriage Systems among Traditional North American Cultures: A Phylogenetic Approach*. Paper at Southern Anthropological Society Conference. Atlanta, GA. February, 1999.

Hruschka DJ & Smith N. *Ritual Process and Social Cohesion: Understanding Mechanisms, Considering Policy*. Paper at Association for Politics and the Life Sciences Conference. Atlanta, GA. September, 1999.

Hruschka DJ. *Baria Healers in Eastern Mongolia*. Paper at International Conference of Mongolists. Ulaanbaatar, Mongolia. August 1997.

Media References to Research

“Denial Makes the World Go Round” *New York Times*; November 20th, 2007.

PROFESSIONAL ACTIVITIES

Reviewer, School for Advanced (formerly American) Research. 2009.

Panelist, National Science Foundation Dissertation Improvement Grant, Cultural Anthropology Program. 2009.

External Grant Reviewer. National Science Foundation. 2007, 2008.

Panel Co-organizer (with Brandon Kohrt), “How Categories Affect Care: Expanding opportunities or limiting care in health policy and clinical services.” American Anthropological Association Meetings. Philadelphia, PA. December 2009.

Panel Co-organizer (with Brandon Kohrt), “Finding Common Ground: Overcoming barriers in applying anthropology for development, humanitarian, and nongovernmental organizations.” American Anthropological Association Meetings. San Francisco, CA. November, 2008.

Panel Co-organizer (with Craig Hadley), "Culture in Epidemiology: identifying local culture in large-scale studies." American Anthropological Association Meetings. Washington D.C. November, 2007.

Panel Co-organizer (with Ryan Brown), "Psychological anthropology and human behavioral ecology converge on health and well-being." American Anthropological Association Meetings. San Jose, CA. November, 2006.

Panel Co-organizer (with Hal Odden and Ryan Brown), "The Organization of Diversity: a Developmental Perspective." American Anthropological Association Meetings. Washington D.C. December, 2005.

Symposium Co-organizer (with Dr. Carol Worthman and Daniel Lende), "Building Biocultural Anthropology." Emory University. March, 2003.

Workshop Co-organizer (with Morten Christiansen and Steve Lansing), "Building Integrated Models of Linguistic Change." Santa Fe Institute. February, 2008.

Working Group Co-organizer (with Morten Christiansen), "Models of Innovation and Propagation in Language Change." Santa Fe Institute. March, 2009.

Co-organizer (with Willemien Kets). Behavioral Discussion Working Group. Santa Fe Institute, Santa Fe, NM. 2007-2009.

Committee Member:

Joyce K. Edmonds (PhD 2009-present). Emory University School of Nursing, Atlanta, GA
Amanda VanSteelandt (PhD 2009-present). Social Science and Health program, Arizona State University, Tempe, AZ

Ad hoc Reviewer: National Science Foundation, Current Anthropology, Evolution and Human Behavior, Medical Anthropology Quarterly, Field Methods, Behaviour, Ethos, International Journal of Epidemiology, Human Nature, Ethos, Psychoneuroendocrinology, Theoretical Population Biology, Advances in Complex Systems, Human Biology Association Meetings.

TEACHING EXPERIENCE

Models of Culture Change (Summer 2007, 2008, 2009). *Lecturer*. Santa Fe Institute's Complex Systems Summer School, Beijing, China & Santa Fe, NM.

Social Network Analysis, Cultural Domain Analysis (Spring 2008, Spring 2007, Spring 2005, Fall 2004, Fall 2003). *Invited workshops* at ICDDR'B, Bangladesh; Center for Social Epidemiology, University of Michigan; graduate courses in Anthropology and Nursing, Emory University.

Culture Change: a Cross-Disciplinary Approach (Fall 2004). *Teaching associate*. Department of Anthropology, Emory University. Co-designed syllabus, developed and presented 50% of lectures, mentored students in ethnographic research project.

Introduction to General Anthropology (Fall 2000). *Teaching assistant*. Department of Anthropology, Emory University.

The Social Ecology of Pastoral Nomads (Spring 2001). *Teaching assistant*. Department of Anthropology, Emory University.

Workshop in Cultural Anthropology (Spring 1998). *Instructor*, Department of Archeology and Anthropology, Mongolian National University, Ulaanbaatar, Mongolia.

LANGUAGES

French: proficiency in speaking and writing.

Mongolian: some speaking experience and familiarity with grammar & morphology.

Russian: some speaking experience and familiarity with grammar & morphology.

STATISTICAL TRAINING Social network analysis, repeated measures and longitudinal analysis, mixed and multilevel models, survival analysis.

PROGRAMMING & STATISTICAL SOFTWARE EXPERIENCE C++, Visual Basic, SAS/IML, SPSS, STATA, R, HLM.